



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Mar/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.652	1523.016	1) Madhya Pradesh	48.750	606.057
2) Hydro	11.339	159.309	2) Gujrat	31.221	367.171
3) Gas	11.918	142.448	3) Goa	-6.557	-75.028
Total MSGENCO	144.909	1824.773	4) TAPS 1&2 (Inj.)	7.261	87.369
B) OTHERS			5) Pench (Excess)	-0.274	-2.464
1) RGPPL Gas	29.491	355.351	# Total Cent. Sector	80.401	983.105
2) Wind Generation	1.541	52.231	F) Other Exchanges		
3) PENCH (MS)	0.274	2.464	1) With TPCL	-4.282	-34.683
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.970	342.125	1) MSEDCL Bilateral	5.963	71.894
2) TPCL Hydro	5.850	50.840	Include PX	0.000	0.000
TOTAL TPCL	36.820	392.965	2) MUMBAI Bilateral	4.728	44.809
3) REL Thermal	12.639	151.885	Include PX	1.914	18.851
D) STATE			3) MUMBAI Schedule	4.728	44.809
1) Thermal (A1+C1+C3)	165.261	2017.026	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	17.463	212.613	1) MSEDCL	252.334	3183.241
3) Gas (A3+B1)	41.409	497.799	2) TPCL	34.718	375.868
4) Wind (B2)	1.541	52.231	3) REL	19.032	203.659
TOTAL STATE	225.674	2779.669	TOTAL STATE	306.084	3762.768

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	5306	4869	5030
MSGENCO Hydro	444	585	629
MSGENCO Gas	457	520	486
MSGENCO Total Generation	6207	5974	6145
Central Sector Receipt	3614	3592	2967
RGPPL	1196	1233	1251
WIND	32	89	89
Exchange with TPCL	-380	-284	76
MSEDCL DEMAND MET	10669	10655	10528
Load Shedding	3847	3993	1909
MSEDCL DEMAND (INCL. LS)	14516	14648	12437
TPCL GENERATION	1836	1807	1150
REL GENERATION	527	524	530
TPCL+REL DEMAND	2743	2615	1604
STATE DEMAND MET	13412	13270	12132
STATE DEMAND (INCL. LS)	17259	17263	14041
Frequency (Hz)	49.24	49.71	49.68
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4136 MW AT 08.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			80.40 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.21 Hz at 18.04 Hrs	48.9 Hz at 12.19 Hrs	49.52	1.11 % 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 12/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.24	16.26	55	19	60
Unit 2	1.56	19.30	69	62	60
Unit 3	0.00	0.00	0	0	0
Unit 4	1.54	20.04	78	28	65
Unit 5	3.52	42.72	164	125	150
Unit 6	3.73	43.76	165	150	150
Unit 7	0.89	33.41	190	0	0
	12.48	175.48			485
Bhusawal					
Unit 1	1.12	14.14	53	36	50
Unit 2	4.51	54.14	192	177	195
Unit 3	3.82	52.34	185	0	190
	9.44	120.63			435
Parli					
Unit 1	0.56	6.65	25	20	23
Unit 2	0.35	4.80	23	0	0
Unit 3	0.00	37.16	0	0	0
Unit 4	4.28	49.05	206	46	200
Unit 5	4.28	50.71	195	158	185
Unit 6	6.02	73.65	255	243	250
Unit 7	4.28	13.65	259	0	0
	19.76	235.66			658
Chandrapur					
Unit 1	3.59	29.51	158	134	150
Unit 2	3.42	41.70	147	137	150
Unit 3	4.14	49.78	187	147	170
Unit 4	4.59	55.20	198	162	210
Unit 5	10.15	111.26	450	395	450
Unit 6	9.06	104.53	410	345	350
Unit 7	10.61	122.20	461	412	450
	45.58	514.17			1930
Paras					
Unit 2	1.02	9.03	47	40	46
Unit 3	5.50	27.54	248	214	240
Unit 4	2.82	5.91	121	111	0
	9.33	42.48			286
Khaparkheda					
Unit 1	0.00	53.10	0	0	0
Unit 2	0.00	44.36	0	0	0
Unit 3	4.68	58.64	213	183	190
Unit 4	2.39	51.03	205	0	185
	7.07	207.13			375
Nasik					
Unit 1	2.24	26.84	99	88	100
Unit 2	2.26	27.46	101	88	100
Unit 3	4.59	58.98	212	160	210
Unit 4	4.37	56.40	201	159	210
Unit 5	4.53	57.78	209	162	210
	17.99	227.47			830
Koyna					
Stage 1-2	1.92	24.98	230	25	460
Stage 4	3.25	56.06	823	0	250
Stage 3	0.97	17.42	230	0	240
	6.14	98.46			950
Kovna 12&4 Total	5.17	81.04			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran					
All Units	11.92	142.45	571	449	470
	11.92	142.45			470
Hydro					
KDPH	0.77	7.01	39	18	18
VTRNA	0.69	11.52	61	0	60
TILLARI	0.00	2.28	0	0	0
BHTGR/VEER	2.84	26.13	119	118	73
BHIRA T.R.	0.34	2.39	82	0	80
RNGR+BHTSA	0.28	3.76	12	11	13
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	0.28	6.77	125	0	0
	5.20	60.85			244
PENCH (MS)					
Pench (MS)	0.27	2.46	51	0	0
	0.27	2.46			0
Wind					
MalharPeth	0.06	2.29			
Vankuswadi	0.17	4.76			
ATIT	0.02	1.37			
Kale	0.04	1.81			
Satara	0.04	1.88			
Shirala	0.04	1.72			
K Mahankal	0.07	1.54			
Supa	0.06	1.42			
Vita	0.50	7.07			
Dondaicha	0.24	17.19			
Sakri	0.09	2.79			
Nandurbar	0.01	2.45			
Khadakale	0.04	3.34			
Khaparale	0.16	2.59			
	1.54	52.23			
Dabhol					
RGPPL	29.49	355.35	1255	1196	1230
	29.49	355.35			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.74	119.26	415	405	400
Trombay 6	10.68	99.28	510	250	500
Trombay 7A	2.85	35.13	122	114	120
Trombay 7B	1.62	19.64	69	67	60
Trombay 8	6.07	68.82	255	244	250
TATA Hydro	5.85	50.84	481	0	447
	36.82	392.96			1777
REL					
1&2	12.64	151.88	530	523	500
	12.64	151.88			500
Cent Sect					
Share					3250
					3250

MS PG CL	Thermal	121.65	1523.02		4999
	Thml+Gas	133.57	1665.46		5469
	Hydro	11.34	159.31		1194
	Total	144.91	1824.77		6663
State Total		225.67	2779.67		13420

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	5180	1230	490	6900	1242	102	2790	2938	35	34	11216	1980	13196	1841	15037	49.49
2	5105	982	488	6575	1246	100	2757	2911	35	77	10909	2048	12957	1750	14707	49.53
3	5030	629	486	6145	1251	89	2757	2967	35	76	10528	1909	12437	1604	14041	49.68
4	5091	281	487	5859	1243	83	2786	3103	35	60	10348	2260	12608	1568	14176	49.57
5	5119	382	488	5989	1240	80	2794	3138	35	60	10507	2387	12894	1579	14473	49.45
6	5224	501	492	6217	1244	92	2784	3281	35	55	10889	2695	13584	1643	15227	49.47
7	5250	190	495	5935	1255	48	3130	3043	35	73	10354	4012	14366	1737	16103	49.75
8	5297	234	499	6030	1255	22	3128	3157	35	69	10533	4122	14655	1834	16489	49.83
9	5287	328	492	6107	1237	15	3115	3063	36	35	10457	3782	14239	2082	16321	49.48
10	5274	374	483	6131	1224	33	3549	3514	-287	-231	10671	3784	14455	2414	16869	49.49
11	5306	469	469	6244	1212	24	3637	3640	-356	-355	10765	3638	14403	2699	17102	49.38
12	5306	444	457	6207	1196	32	3627	3614	-356	-380	10669	3847	14516	2743	17259	49.24
13	5254	378	449	6081	1203	26	3668	3676	-403	-396	10590	3853	14443	2751	17194	49.33
14	5027	637	455	6119	1200	26	3667	3802	-385	-387	10783	3826	14609	2602	17211	49.38
15	4967	457	494	5918	1203	25	3656	3685	-385	-388	10480	3966	14446	2678	17124	49.41
16	4976	465	499	5940	1213	31	3572	3622	-390	-396	10410	3760	14170	2680	16850	49.54
17	4998	272	499	5769	1213	38	3559	3682	-385	-386	10316	3745	14061	2631	16692	49.51
18	4767	379	503	5649	1221	156	3562	3638	-385	-386	10298	3349	13647	2578	16225	49.54
19	4798	305	515	5618	1230	107	3204	3218	-336	-333	9891	3784	13675	2614	16289	49.71
20	4869	585	520	5974	1233	89	3281	3592	-289	-284	10655	3993	14648	2615	17263	49.71
21	4942	480	521	5943	1232	89	3313	3415	-317	-267	10463	3715	14178	2472	16650	49.57
22	4936	355	528	5819	1239	96	3316	3197	-322	-262	10114	3748	13862	2397	16259	49.74
23	4836	369	538	5743	1230	78	3226	3402	-221	-185	10284	2988	13272	2171	15443	49.42
24	4747	613	571	5931	1229	60	3202	3113	-226	-185	10148	2136	12284	2058	14342	49.37
MUs	121.59	11.34	11.92	144.84	29.49	1.54	78.08	80.41	-4.73	-4.28	252.28	79.33	331.60	53.74	385.35	49.52

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 12/Mar/2010

Position as on 6.30 Hrs of 13/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.	
Koradi Unit 7	210	09/03/2010	00.16	12/03/2010	15.31	Boiler Tube Leakage.	
Koyna Unit 3	75	09/03/2010	21:05	12/03/2010	02.00	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	
Koyna Unit 1	75	09/03/2010	21:05	13/03/2010	17.45	B'PH CT BURST @ POPHALI U-2	
Parli Unit 2	30	10/03/2010	02.46	12/03/2010	08.11	Boiler Tube Leakage.	
Khaparkheda Unit 2	210	11/03/2010	03.10	13/03/2010	20.47	Boiler Tube Leakage.	
Uran Unit 6	108	11/03/2010	17.37	12/03/2010	22.08	HT water leakage generator cooler	
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 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.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Mar/2010

Position as on 6.30 Hrs of 13/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	16/02/2010	11.01		Continued.	To control Voltage at Akola
Dhule-Sar'Sarovar - I	10/03/2010	03.42		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tarapur-Borivali	12/03/2010	01.05	12/03/2010	13.25	Tripped.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Lonikand - II	11/03/2010	22.24	12/03/2010	02.08	Retrofitting and testing of distance relay.
C'pur-Parli CKT .I	12/03/2010	08.30	12/03/2010	16.43	Fixing of Hardware.
400/220 KV,600 MVA ICT-II at Kalwa	12/03/2010	15.05	12/03/2010	19.55	Hot Spot 29B,isolator Y-ph.(Taken on TBC)
Kalwa - Lonikand	13/03/2010	15.01	13/03/2010	15.59	Replacement of faulty power supply card of Distance Protection.
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(upto 15-3-2010)
Trombay - Tifil	03/03/2010	08.28		Continued.	Repl.of Rusted Tower(upto 15-3-2010)
Girwali - Parly - II	05/03/2010	12.31	12/03/2010	13.34	Breaker replacement.
220/132KV, 100MVA ICT-I at Padegaon	10/03/2010	12.20		Continued.	ICT Replacement by 200MVA New ICT
220/132 KV,150 MVA ICT At Theur.	11/03/2010	09.30	12/03/2010	15.40	Foudation work for new ICT.
220/132 KV T/F - II @ Boiser	11/03/2010	12.30		Continued.	Aumantation of new 200 MVA ICT.
Kharepatan-Pawas	11/03/2010	21.33	12/03/2010	10.45	Dist.Prot.
220/33 KV 50 MVA T/F I at Boisar II S/S.	12/03/2010	08.48.	12/03/2010	18.55	Maintaince work.
Padgha-Kamba	12/03/2010	09.07	12/03/2010	17.10	Q.M.Work
K'gaon-Lonand	12/03/2010	09.13	12/03/2010	19.00	E/W replacement.
220/100 KV 200 MVA ICT-I at Kolshet	12/03/2010	10.06	12/03/2010	15.50	R.M.Work
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-Bablsr 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.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Viraj	12/03/2010	09.41	12/03/2010	20.17	Conductor replacement.
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		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Mar/2010

Position as on 6.30 Hrs of 13/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Akola - Aurangabad - II	08/03/2010	15.15		Continued.	Hand Tripped
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	16/12/2009	11.22		Continued.	Ict loading at Chikhali
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	07/03/2010	20.43		Continued.	Hand Tripped for Over Voltage.
400/220 KV 315 MVA ICT at Akola	12/03/2010	02.37	12/03/2010	05.03	Tripped on NDR
Lonikand-Parly -I	12/03/2010	17.11	12/03/2010	19.04	Due to Y-Ph CVT Jumper opened at Lonikand.
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.
Trombay-Kalwa	11/03/2010	11.18	12/03/2010	16.03	Trip, Y-ph to E/F
Khaperkheda-Purti	12/03/2010	06.08	12/03/2010	07.14	Dist.Prot.operated Z-I, B-Ph E/F.
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.
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari-Kalmeshwar	12/03/2010	06.20	12/03/2010	14.26	Back Up O/C.
Kawlewada-Gondia-II	12/03/2010	06.58	12/03/2010	07.34	Dist.Prot.operated Z-I, R-Ph E/F.
Malkapur - Khamgaon	12/03/2010	16.00	12/03/2010	16.22	Tripped on O/C, E/F at Malkapur
KHAMGAON-WARWAT BAKAL CKT	12/03/2010	16.00	12/03/2010	16.20	Tripped on O/C E/F at Warvatbakal.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	150
Unit 6	210	160
Unit 7	210	180
	1040	690
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	0
	478	245
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	0
	1190	681
Chandrapur		
Unit 1	210	165
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	2005
Paras		
Unit 2	55	46
Unit 3	250	240
Unit 4	250	0
	555	286
Khaparkheda		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	175
Unit 4	210	0
	840	175
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
	870	700
Koyna		
Stage 1-2	600	460
Stage 4	1000	250
Stage 3	320	240
	1920	950
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	0
	53	0
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		
RGPLL	960	1230
	960	1230
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3344
	3143	3344