



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Mar/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	133.157	3943.846	1) Madhya Pradesh	54.217	1595.170
2) Hydro	6.987	460.150	2) Gujrat	28.734	889.372
3) Gas	14.642	412.847	3) Goa	-6.412	-197.407
Total MSGENCO	154.786	4816.843	4) TAPS 1&2 (Inj.)	7.215	224.447
B) OTHERS			5) Pench (Excess)	-0.090	-7.016
1) RGPPL Gas	35.344	1005.758	# Total Cent. Sector	83.664	2504.566
2) Wind Generation	13.155	153.172	F) Other Exchanges		
3) CPP	3.712	53.506	1) With TPCL (Excess)	-6.762	-114.824
4) PENCH (MS)	0.090	7.244	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.319	182.269
1) TPCL Thermal	29.455	925.385	Include PX	0.000	0.000
2) TPCL Hydro	4.986	130.932	2) MUMBAI Bilateral	7.760	140.351
TOTAL TPCL	34.441	1056.317	Include PX	3.612	61.436
3) REL Thermal	12.629	391.485	3) MUMBAI Schedule	7.760	140.351
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	175.241	5260.716	1) MSEDCL	283.989	8426.265
2) Hydro (A2+B3+C2)	12.063	598.326	2) TPCL	34.892	1008.154
3) Gas (A3+B1)	49.986	1418.605	3) REL	18.938	554.448
4) Wind (B2)	13.155	153.172	TOTAL STATE	337.819	9988.867
5) CPP (B3)	3.712	53.506			
TOTAL STATE	254.157	7484.325			

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	5282	5785	5585
MSGENCO Hydro	553	602	172
MSGENCO Gas	627	494	608
MSGENCO Total Generation	6462	6881	6365
Central Sector Receipt	3951	3682	2782
RGPPL	1368	1478	1522
WIND	461	536	610
CPP	194	147	94
Exchange with TPCL	-432	-405	-12
MSEDCL DEMAND MET	12004	12329	11361
Load Shedding	3584	3667	1497
MSEDCL DEMAND (INCL. LS)	15588	15996	12858
TPCL GENERATION	1734	1700	1105
REL GENERATION	526	524	528
TPCL+REL DEMAND	2692	2629	1645
STATE DEMAND MET	14696	14958	13006
STATE DEMAND (INCL. LS)	18280	18625	14503
Frequency (Hz)	49.70	49.65	49.92
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4254 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			72.18 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.57 Hz at 16.03 Hrs	49.12 Hz at 05.17 Hrs	49.85	0 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 31/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.77	50.62	83	62	85
Unit 2	1.59	49.26	71	54	65
Unit 3	0.28	5.22	85	0	0
Unit 4	1.58	54.40	86	30	80
Unit 5	3.49	111.27	156	132	160
Unit 6	4.35	115.43	195	170	180
Unit 7	4.60	104.76	200	160	200
	17.66	490.97			770
Bhusawal					
Unit 1	0.54	33.35	25	17	25
Unit 2	4.46	138.18	195	164	185
Unit 3	4.56	132.08	200	180	195
	9.56	303.62			405
Parli					
Unit 1	0.57	16.97	25	22	22
Unit 2	0.58	14.99	25	23	22
Unit 3	0.00	37.16	0	0	0
Unit 4	3.93	128.91	192	131	200
Unit 5	4.38	114.44	192	175	180
Unit 6	3.65	182.40	254	0	250
Unit 7	6.05	106.02	256	247	0
	19.16	600.90			674
Chandrapur					
Unit 1	3.44	93.22	145	137	150
Unit 2	3.43	103.46	149	130	150
Unit 3	4.11	116.37	186	127	180
Unit 4	4.38	135.67	190	162	200
Unit 5	9.85	260.18	440	350	450
Unit 6	8.43	276.80	410	275	400
Unit 7	9.99	310.80	437	394	450
	43.63	1296.49			1980
Paras					
Unit 2	0.54	19.99	24	21	23
Unit 3	5.67	118.19	260	223	250
Unit 4	2.75	38.70	132	94	0
	8.96	176.88			273
Khaparkheda					
Unit 1	4.84	126.06	211	185	210
Unit 2	4.49	124.49	192	180	190
Unit 3	5.07	145.76	214	189	210
Unit 4	0.80	129.77	213	0	0
	15.20	526.08			610
Nasik					
Unit 1	2.26	62.73	104	62	100
Unit 2	2.29	61.20	102	87	100
Unit 3	4.96	143.20	211	201	198
Unit 4	4.55	133.65	204	179	180
Unit 5	4.92	148.12	211	194	198
	18.98	548.90			776
Koyna					
Stage 1-2	1.37	76.00	160	35	600
Stage 4	0.71	189.73	278	0	250
Stage 3	0.45	57.33	212	0	320
	2.53	323.06			1170
Kovna 12&4 Total	2.08	265.73			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		14.64	412.85	655	453	620
		14.64	412.85			620
Hydro						
KDPH		0.30	17.03	38	0	36
VTRNA		1.10	21.75	61	0	60
TILLARI		0.37	5.40	60	0	60
BHTGR/VEER		0.46	47.74	19	19	20
BHIRA T.R.		0.21	6.60	72	0	80
RNGR+BHTSA		0.31	9.48	13	13	13
BHANDARDRA		0.76	5.74	32	31	21
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.74	8.74	31	31	17
GHATGHAR		0.20	14.61	125	0	0
		4.46	137.09			307
PENCH (MS)						
Pench (MS)		0.09	7.24	23	0	0
		0.09	7.24			0
Wind						
MalharPeth		0.58	6.26			
Vankuswadi		0.92	12.44			
ATIT		0.59	4.70			
Kale		0.33	5.10			
Satara		0.40	5.99			
Shirala		0.27	4.87			
K Mahankal		0.11	2.54			
Supa		0.19	4.04			
Vita		1.68	18.84			
Dondaicha		5.77	54.22			
Sakri		0.96	8.33			
Nandurbar		0.73	8.24			
Khadakale		0.63	10.40			
Khaparale		0.00	7.21			
		13.16	153.17			
CPP						
TOTAL CPP		3.71	53.51			
		3.71	53.51			
Dabhol						
RGPPL		35.34	1005.76	1548	1368	1500
		35.34	1005.76			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	307.37	415	415	420
Trombay 6		9.23	294.74	480	190	500
Trombay 7A		2.95	90.01	126	120	120
Trombay 7B		1.61	50.42	68	67	60
Trombay 8		5.70	182.85	250	200	250
TATA Hydro		4.99	130.93	471	0	447
		34.44	1056.32			1797
REL						
1&2		12.63	391.48	529	523	500
		12.63	391.48			500
Cent Sect						
Share						3373
						3373
MS PG CL	Thermal	133.16	3943.85			5488
	Thml+Gas	147.80	4356.69			6108
	Hydro	6.99	460.15			1477
	Total	154.79	4816.84			7585
State Total		254.16	7484.32			14755

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Mar/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	5547	387	603	6537	1517	575	94	2974	3235	-134	-91	11870	1564	13434	1921	15355	49.68
2	5566	171	604	6341	1520	618	95	2929	3054	-87	-30	11598	1597	13195	1783	14978	49.87
3	5585	172	608	6365	1522	610	94	2904	2782	-64	-12	11361	1497	12858	1645	14503	49.92
4	5702	172	607	6481	1524	725	97	2905	2627	-64	-6	11448	1983	13431	1606	15037	50.00
5	5686	182	607	6475	1524	660	96	2907	2570	-64	-7	11318	2029	13347	1582	14929	49.96
6	5696	359	640	6695	1517	613	114	2893	2855	-87	-40	11754	2244	13998	1645	15643	49.44
7	5694	272	640	6606	1520	594	174	3063	2961	-82	-39	11816	2676	14492	1725	16217	49.80
8	5482	238	639	6359	1522	594	178	3063	3255	-82	-39	11869	2775	14644	1793	16437	49.94
9	5341	204	634	6179	1518	585	173	3058	3437	-82	-79	11813	2987	14800	2058	16858	49.93
10	5262	253	655	6170	1509	473	194	3438	3852	-437	-392	11806	3381	15187	2396	17583	49.86
11	5298	366	654	6318	1440	424	201	3487	3928	-489	-441	11870	3468	15338	2606	17944	49.82
12	5282	553	627	6462	1368	461	194	3450	3951	-489	-432	12004	3584	15588	2692	18280	49.70
13	5341	267	641	6249	1383	406	201	3436	4100	-489	-430	11909	3580	15489	2714	18203	49.91
14	5438	191	638	6267	1384	500	195	3485	3893	-536	-479	11760	3511	15271	2619	17890	50.00
15	5382	201	632	6215	1383	494	193	3483	3898	-536	-500	11683	3614	15297	2659	17956	49.93
16	5461	196	649	6306	1391	607	162	3482	3567	-536	-522	11511	3605	15116	2685	17801	50.04
17	5402	196	648	6246	1382	818	153	3485	3707	-536	-533	11773	3508	15281	2657	17938	49.94
18	5387	218	453	6058	1380	626	146	3490	4081	-536	-525	11766	3088	14854	2586	17440	49.98
19	5494	272	505	6271	1382	667	150	3106	3679	-436	-430	11719	3537	15256	2587	17843	49.97
20	5785	602	494	6881	1478	536	147	3269	3682	-410	-405	12329	3667	15996	2629	18625	49.65
21	5834	316	579	6729	1541	435	174	3311	3989	-410	-357	12534	3343	15877	2516	18393	49.75
22	5818	196	592	6606	1547	410	179	3306	3644	-404	-338	12058	3351	15409	2355	17764	49.90
23	5905	493	655	7053	1544	339	197	3261	3509	-377	-311	12353	2908	15261	2214	17475	49.62
24	5769	510	638	6917	1548	385	111	3185	3408	-391	-324	12067	1965	14032	2159	16191	49.68
MUs	133.16	6.99	14.64	154.79	35.34	13.16	3.71	77.37	83.66	-7.76	-6.76	283.99	69.46	353.45	53.83	407.28	49.85

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 31/Mar/2010

Position as on 6.30 Hrs of 01/Apr/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)	30/04/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	05/04/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	30/04/2010
Cent_Sect NTPC(V-2)	210	01/04/2010	23.20		Continued.	Annual Overhaul	01/05/2010
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul	01/05/2010
Chandrapur Unit 2	210	01/04/2010	23.53		Continued.	ID Fan Problem	04/04/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45	31/03/2010	15.18	Exhaust temp.& vibn.high	
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 3	105	28/03/2010	22.10	31/03/2010	13.50	Tripped ,furnance pressure low.	
Khaparkheda Unit 4	210	30/03/2010	11.29	31/03/2010	18.25	Boiler Tube Leakage	
Cent_Sect NTPC(K-6)	500	31/03/2010	05.07	01/04/2010	12.38	Boiler Tube Leakage	
Parli Unit 6	250	31/03/2010	07.22	31/03/2010	12.01	Flame Failure	
Koradi Unit 3	105	31/03/2010	15.25	31/03/2010	19.58	Eccentricity High	
Dabhol 3A	230	31/03/2010	15.52		Continued.	Withdrawn	
Parli Unit 6	250	31/03/2010	16.10	31/03/2010	18.10	Low Drum Level	
Uran Unit B0	120	31/03/2010	17.04	31/03/2010	20.48	Gen.Protection	
Uran Unit 8	108	31/03/2010	17.05	31/03/2010	17.59	Boiler Protection	
Uran Unit 7	108	31/03/2010	17.16	31/03/2010	17.49	Boiler Protection	
Paras Unit 3	250	01/04/2010	00.05	01/04/2010	03.30	Loss of Fuel	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Mar/2010

Position as on 6.30 Hrs of 01/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	26/03/2010	16.31	31/03/2010	15.40	H/T for O/V.
Akola - Wardha - II	26/03/2010	17.33		Continued.	H/T.
Dhule-Sar'Sarovar - II	27/03/2010	02.55	31/03/2010	18.50	H/T for O/V.
Dhule-Sar'Sarovar - I	31/03/2010	15.13		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	01/04/2010	10.40	01/04/2010	11.36	Distance protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 300 MVA ICT-I @ Koradi	31/03/2010	08.09	31/03/2010	18.06	Q.M.Work
Bablsr-Padgha Ckt I	01/04/2010	08.53	01/04/2010	19.46	Crimping work
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.
220/132 KV T/F - II @ Boiser	11/03/2010	12.30	31/03/2010	22.00	Aumantation of new 200 MVA ICT.Charge and kept on humming.
BUS SEC-II at Jejuri	19/03/2010	13.57		Continued.	Renovation of Isolator
220/132KV 100MVA ICT-I at Parly-II	20/03/2010	09.35		Continued.	HV Breaker Replacement work,ICT on TBC.
Karad-M'peth	23/03/2010	11.10	31/03/2010	23.35	Tower erection work.
Nasik - Airoli - Knowledge Park	27/03/2010	11.05	01/04/2010	09.57	For conductor replacement.
Taloja-OCIL-I	31/03/2010	10.04	31/03/2010	18.06	Bay Maint.Work
Bhandara - RLY TSS - I	31/03/2010	10.15	31/03/2010	13.20	Q.M.Work
220/132 KV 200 MVA ICT at Ambazari	31/03/2010	10.31	31/03/2010	15.38	To attend Hot Glow
Chandrapur-Chandrapur MIDC	31/03/2010	11.20	31/03/2010	16.46	R.M.Work
Uran - JNPT	31/03/2010	12.20	31/03/2010	13.29	To disconnect Jumper,to charge the TBC Breaker
Main Bus - I at 400KV Waluj	31/03/2010	12.48	31/03/2010	18.37	Jumpering work
Trombay - Tata Tie - II	31/03/2010	13.25	31/03/2010	16.28	To attending oil leakage of Breaker
Bhandara - Rly TSS - II	31/03/2010	13.40	31/03/2010	15.30	Q.M.Work
Kolhapur-Karad-IV	31/03/2010	16.10	31/03/2010	17.50	For erection of MIC Tower
Chandrapur-Gadchandur	01/04/2010	07.15	01/04/2010	12.13	To attend trip ckt faulty indication
220/132KV, 200 MVA ICT-II at Boisor	01/04/2010	08.30	01/04/2010	19.57	Maint.Work
Pophali-KDPH	01/04/2010	10.05	01/04/2010	18.15	Maint.work
Vankuswadi-KDPH	01/04/2010	10.10	01/04/2010	18.10	Maint.work
Bableshwar-Nasik-I	01/04/2010	11.17		Continued.	Replacement of LA and CT
Gadchandur-Virur-II	01/04/2010	12.30	01/04/2010	14.20	Main Ckt.Breaker maint.work,(ckt on TBC)
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Ambhora	31/03/2010	13.28	31/03/2010	16.00	Q.M.Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Mar/2010

Position as on 6.30 Hrs of 01/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli - Lamboti	01/04/2010	06.36	01/04/2010	08.37	Red Hot Spot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Raymond-Washala	31/03/2010	14.16	31/03/2010	15.22	Replacement of broken guard wire
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Ozar - Manmad	01/04/2010	08.40	01/04/2010	15.25	Red Spot at Bus side Isolator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Kaparkheda	25/03/2010	19:50		Continued.	H/T.
Bhusawal- Aurangabad	27/03/2010	18:22		Continued.	H/T for O/V.
Khadka - Deepnagar - II	31/03/2010	00.00	31/03/2010	15.51	New Line Charged with Stn T/F through TBC
Akola - Aurangabad - II	31/03/2010	15.43		Continued.	H/T due to Ethernet problem
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 200 MVA ICT-IV at NSK OCR	26/03/2010	11.15	31/03/2010	17.15	Oil leakage from delta point of LV side, B-Ph bushing.
Voltage Level : 220KV			Outage Type TRIPPED		
Lamboti - Pandharpur	31/03/2010	14.59	31/03/2010	15.09	Distance Protection
Talangade - Mumewadi	01/04/2010	10.39	01/04/2010	10.50	Distance Protection
Momewadi -Halkarni	01/04/2010	10.40	01/04/2010	10.50	Distance Protection
Halkarni-Tillary	01/04/2010	10.40	01/04/2010	11.22	Due to tripping of Mumewadi-Halkarni
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	65
Unit 3	105	80
Unit 4	105	75
Unit 5	200	150
Unit 6	210	175
Unit 7	210	195
	1040	820
Bhusawal		
Unit 1	58	25
Unit 2	210	195
Unit 3	210	195
	478	415
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	0
Unit 4	210	200
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	674
Chandrapur		
Unit 1	210	150
Unit 2	210	120
Unit 3	210	180
Unit 4	210	210
Unit 5	500	400
Unit 6	500	0
Unit 7	500	420
	2340	1480
Paras		
Unit 2	55	24
Unit 3	250	250
Unit 4	250	
	555	274
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	190
Unit 4	210	210
	840	790
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	205
Unit 4	210	200
Unit 5	210	210
	870	815
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	590

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	590
Hydro		
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	272
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	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1500
	960	1500
Tata		
Trombay 4	150	0
Trombay 5	500	420
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1797
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3092
	3143	3092

	17376	7 of 7	14189
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