



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Mar/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	133.358	2506.372	1) Madhya Pradesh	53.792	1011.528
2) Hydro	15.103	318.734	2) Gujrat	24.860	569.523
3) Gas	13.978	258.695	3) Goa	-6.398	-126.155
Total MSGENCO	162.439	3083.801	4) TAPS 1&2 (Inj.)	7.200	145.181
B) OTHERS			5) Pench (Excess)	0.000	-4.871
1) RGPPL Gas	35.443	614.808	# Total Cent. Sector	79.454	1595.206
2) Wind Generation	2.357	77.115	F) Other Exchanges		
3) CPP	4.902	8.009	1) With TPCL (Excess)	-4.386	-64.183
4) PENCH (MS)	0.000	5.099	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.656	118.403
1) TPCL Thermal	31.942	590.483	Include PX	0.000	0.000
2) TPCL Hydro	4.947	84.692	2) MUMBAI Bilateral	4.850	78.872
TOTAL TPCL	36.889	675.175	Include PX	1.263	32.600
3) REL Thermal	12.612	252.856	3) MUMBAI Schedule	4.850	78.872
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	177.912	3349.711	1) MSEDCL	280.209	5319.855
2) Hydro (A2+B3+C2)	20.050	408.525	2) TPCL	34.465	640.774
3) Gas (A3+B1)	49.421	873.503	3) REL	19.422	351.424
4) Wind (B2)	2.357	77.115	TOTAL STATE	334.096	6312.053
5) CPP (B3)	4.902	8.009			
TOTAL STATE	254.642	4716.863			

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	5591	5568	5502
MSGENCO Hydro	737	1579	360
MSGENCO Gas	578	566	590
MSGENCO Total Generation	6906	7713	6452
Central Sector Receipt	3543	3181	2780
RGPPL	1460	1390	1550
WIND	27	92	91
CPP	212	218	164
Exchange with TPCL	-310	-180	42
MSEDCL DEMAND MET	11838	12414	11079
Load Shedding	3700	4168	1948
MSEDCL DEMAND (INCL. LS)	15538	16582	13027
TPCL GENERATION	1821	1834	1311
REL GENERATION	521	524	528
TPCL+REL DEMAND	2652	2538	1797
STATE DEMAND MET	14490	14952	12876
STATE DEMAND (INCL. LS)	18190	19120	14824
Frequency (Hz)	49.36	49.41	49.30
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4486 MW at 10.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			88.47 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.1 Hz at 07.06 Hrs	48.81 Hz at 11.35 Hrs	49.49	.59 % 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 20/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	2.00	30.22	88	72	85
Unit 2	1.64	32.18	76	58	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.88	34.53	89	70	80
Unit 5	3.82	71.59	172	149	150
Unit 6	3.78	73.50	175	150	160
Unit 7	4.73	68.86	209	148	205
	17.85	310.89			750
Bhusawal					
Unit 1	1.20	21.23	52	41	50
Unit 2	4.40	89.19	191	172	195
Unit 3	4.54	82.76	195	180	195
	10.14	193.19			440
Parli					
Unit 1	0.54	11.00	25	20	23
Unit 2	0.55	9.14	25	21	23
Unit 3	0.00	37.16	0	0	0
Unit 4	3.99	83.23	186	120	200
Unit 5	4.34	84.28	195	166	185
Unit 6	5.49	118.89	254	153	250
Unit 7	5.94	45.16	257	240	0
	20.84	388.85			681
Chandrapur					
Unit 1	3.10	56.49	142	122	125
Unit 2	2.86	67.65	134	111	125
Unit 3	3.45	80.55	178	102	140
Unit 4	3.91	89.92	189	112	140
Unit 5	10.06	150.36	446	393	450
Unit 6	8.92	179.45	425	314	400
Unit 7	9.99	203.72	435	382	450
	42.28	828.13			1830
Paras					
Unit 2	0.29	14.74	25	0	24
Unit 3	5.62	56.21	250	220	240
Unit 4	2.49	14.29	123	85	
	8.40	85.24			264
Khaparkheda					
Unit 1	2.16	73.00	207	0	0
Unit 2	4.42	75.90	194	174	190
Unit 3	4.89	90.79	214	186	210
Unit 4	4.88	85.23	213	185	210
	16.36	324.93			610
Nasik					
Unit 1	1.19	44.21	100	0	100
Unit 2	2.20	45.24	103	80	100
Unit 3	4.84	97.74	210	193	210
Unit 4	4.57	91.95	196	183	210
Unit 5	4.69	96.00	207	176	200
	17.48	375.14			820
Koyna					
Stage 1-2	2.52	51.26	455	40	600
Stage 4	8.12	136.31	1010	0	250
Stage 3	2.63	40.99	240	0	240
	13.28	228.57			1090
Kovna 12&4 Total	10.65	187.57			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		13.98	258.70	627	552	630
		13.98	258.70			630
Hydro						
KDPH		0.00	10.15	0	0	0
VTRNA		0.00	11.84	0	0	0
TILLARI		0.00	3.23	0	0	0
BHTGR/VEER		0.44	43.52	19	18	95
BHIRA T.R.		0.36	4.16	81	0	80
RNGR+BHTSA		0.29	6.16	12	11	13
BHANDARDRA		0.00	1.01	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.74	0.74	31	31	0
GHATGHAR		0.00	9.36	0	0	0
		1.82	90.17			188
PENCH (MS)						
Pench (MS)		0.00	5.10	0	0	
		0.00	5.10			
Wind						
MalharPeth		0.10	3.44			
Vankuswadi		0.24	6.98			
ATIT		0.13	2.30			
Kale		0.09	2.71			
Satara		0.04	2.56			
Shirala		0.07	2.71			
K Mahankal		0.00	2.01			
Supa		0.15	2.18			
Vita		0.19	10.62			
Dondaicha		0.73	24.54			
Sakri		0.11	4.00			
Nandurbar		0.14	3.73			
Khadakale		0.23	5.30			
Khaparale		0.12	4.03			
		2.36	77.12			
CPP						
TOTAL CPP		4.90	8.01			
		4.90	8.01			
Dabhol						
RGPPL		35.44	614.81	1580	1375	1540
		35.44	614.81			1540
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.90	197.81	415	410	400
Trombay 6		11.47	184.90	510	340	500
Trombay 7A		2.88	58.16	123	117	120
Trombay 7B		1.64	32.62	69	67	60
Trombay 8		6.06	117.00	255	250	250
TATA Hydro		4.95	84.69	471	0	447
		36.89	675.18			1777
REL						
1&2		12.61	252.86	528	521	500
		12.61	252.86			500
Cent Sect						
Share						3191
						3191
MS PG CL	Thermal	133.36	2506.37			5395
	Thml+Gas	147.34	2765.07			6025
	Hydro	15.10	318.73			1278
	Total	162.44	3083.80			7303
State Total		254.64	4716.86			14311

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	5371	831	588	6790	1560	94	171	2772	3117	29	18	11750	2091	13841	2001	15842	49.47
2	5429	469	589	6487	1560	78	173	2745	3018	29	23	11339	2147	13486	1872	15358	49.42
3	5502	360	590	6452	1550	91	164	2745	2780	29	42	11079	1948	13027	1797	14824	49.30
4	5521	306	589	6416	1560	80	163	2745	2732	29	43	10994	2185	13179	1706	14885	49.52
5	5518	310	608	6436	1560	84	162	2745	2863	29	40	11145	2309	13454	1679	15133	49.48
6	5560	550	620	6730	1560	93	218	2747	2976	29	42	11619	2622	14241	1741	15982	49.45
7	5604	132	627	6363	1570	116	205	2714	2918	34	40	11212	3637	14849	1785	16634	49.69
8	5566	101	625	6292	1580	160	202	3068	2962	34	39	11235	3904	15139	1865	17004	49.90
9	5582	111	600	6293	1570	58	209	3069	2890	32	32	11052	3853	14905	1995	16900	49.71
10	5548	102	592	6242	1560	27	211	3071	3653	-265	-262	11431	3850	15281	2372	17653	49.51
11	5556	254	594	6404	1540	30	213	3492	3849	-288	-288	11748	3572	15320	2587	17907	49.45
12	5591	737	578	6906	1460	27	212	3540	3543	-288	-310	11838	3700	15538	2652	18190	49.36
13	5505	789	575	6869	1540	32	220	3468	3761	-486	-454	11968	3656	15624	2713	18337	49.47
14	5514	747	552	6813	1430	48	217	3663	3812	-486	-453	11867	3679	15546	2585	18131	49.54
15	5579	703	553	6835	1390	73	221	3585	3605	-486	-454	11670	3864	15534	2592	18126	49.42
16	5611	384	554	6549	1390	79	218	3492	3715	-486	-455	11496	3644	15140	2592	17732	49.48
17	5625	613	555	6793	1388	89	209	3487	3611	-486	-457	11633	3632	15265	2552	17817	49.35
18	5603	827	557	6987	1385	77	211	3489	3680	-486	-455	11885	3340	15225	2490	17715	49.43
19	5621	870	558	7049	1380	81	217	3085	3173	-304	-264	11636	3973	15609	2482	18091	49.42
20	5568	1579	566	7713	1390	92	218	3122	3181	-218	-180	12414	4168	16582	2538	19120	49.41
21	5621	1590	572	7783	1390	146	219	3131	3152	-218	-157	12533	3827	16360	2506	18866	49.37
22	5594	1211	575	7380	1380	205	220	3177	3327	-256	-199	12313	3846	16159	2418	18577	49.57
23	5601	863	580	7044	1375	277	216	3106	3462	-185	-172	12202	3318	15520	2204	17724	49.50
24	5568	664	581	6813	1375	220	213	2978	3674	-185	-145	12150	2368	14518	2163	16681	49.42
MUs	133.36	15.10	13.98	162.44	35.44	2.36	4.90	75.24	79.45	-4.85	-4.39	280.21	79.13	359.34	53.89	413.23	49.49

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 20/Mar/2010

Position as on 6.30 Hrs of 21/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.	
Cent_Sect NTPC (K-2)	210	18/03/2010	17.07	21/03/2010	13.17	BTL.	21/03/2010
Khaparkheda Unit 1	210	18/03/2010	19.09	20/03/2010	10.48	BTL.	
Nasik Unit 1	125	20/03/2010	12.18		Continued.	BLR T/L.	23/03/2010
Paras Unit 2	55	20/03/2010	12.33	21/03/2010	23.34	Coal Mill Problem.	22/03/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2010

Position as on 6.30 Hrs of 21/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	20/03/2010	03.59		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Reactor at Bhusawal	20/03/2010	09.17	20/03/2010	16.35	Ten delta & R.M.Work
Kalwa-Padgha CKT I	20/03/2010	09.38	20/03/2010	18.11	To attend Hot Spot on Bus Isolator line taken on TBC.
400 KV Main Bus - II at Kalwa	21/03/2010	10.16		Continued.	Replacement of 29B Isolator of Kalwa-Lonikand Line.
400/220 KV 315 MVA ICT at Chakan	21/03/2010	16.50	21/03/2010	19.20	For Attending Oil Leakage.
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.
220/132KV, 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.
Girawli-Parli-III	15/03/2010	14.04		Continued.	C B Replacement Work.
Kalwa - Ghatghar	16/03/2010	08.35	21/03/2010	17.53	Commissioning Work of 220KV Airoli Knowledge Park.
Kalwa-Nasik	16/03/2010	09.00	21/03/2010	19.40	Commissioning Work of 220KV Airoli Knowledge Park.
Bableshwar-Bhenda	19/03/2010	08.05	21/03/2010	23.50	Replacement Of CT and LA.
220/132 KV,100 MVA T/F-I @ Malegaon	19/03/2010	08.30		Continued.	Repl.of 100 MVA ICT to 200 MVA.
BUS SEC-II at Jejuri	19/03/2010	13.57		Continued.	Renovation of Isolator
220/132KV 200MVA ICT-V at Nasik OCR	20/03/2010	09.35	20/03/2010	15.13	For attending oil leakage from Radiators..
220/132KV 100MVA ICT-I at Parly-II	20/03/2010	09.35		Continued.	HV Breaker Replacement work,ICT on TBC.
Kharghar-TSS	20/03/2010	09.54	20/03/2010	16.18	Replacement of faulty Insulator.
Dondaicha - Jamde - II.	20/03/2010	10.05	20/03/2010	13.20	Q.M.Work
Kalwa - Airoli - Knowledge Park.	21/03/2010	00.01	21/03/2010	18.50	First Time Charged from Kalwa End.
Nasik - Airoli - Knowledge Park	21/03/2010	00.01	21/03/2010	19.40	First Time Charged from Nasik End.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Borivali - Borivali - I	19/03/2010	22.40	20/03/2010	01.10	220 KV Borivali new Tie line work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Salsette - II	20/03/2010	05.40	20/03/2010	09.10	Lilo work of Airoli Knowledge park work.
KALWA-SALSET I	20/03/2010	09.17	20/03/2010	22.28	LILO work of Airoli Knowledge park.
Kalwa-Salshet ckt-II	21/03/2010	06.20	21/03/2010	16.00	LILO Work of 220 KV Nasik - Kalwa Line.
Borivali-Tata	21/03/2010	08.30	21/03/2010	17.15	Bay Shifting Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2010

Position as on 6.30 Hrs of 21/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 : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	07/03/2010	20.43		Continued.	Hand Tripped for Over Voltage.
Kalwa-Padgha II	21/03/2010	08.50	21/03/2010	09.05	Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT at Ambazari	20/03/2010	09.38	20/03/2010	11.32	Hot Glow on R-Ph CT jumper.
Karad-Wathar	20/03/2010	11.50	20/03/2010	12.28	Tripped on PDR
220/132 KV 115 MVA T/F at Lonand	20/03/2010	18.25	21/03/2010	12.31	Restricted E/F.
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.
Deepnagar - Yawal	20/03/2010	13.19	20/03/2010	16.18	Tripped on Dist.Protection.
Dondaicha - Dondaicha	20/03/2010	14.25	20/03/2010	14.55	Backup Prot.operated O/C & E/F.
Dondaicha - Sahada	20/03/2010	14.25	20/03/2010	15.40	Backup Prot.operated O/C & E/F.
Girwali - Latur MIDC	21/03/2010	16.35	21/03/2010	22.00	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	65
Unit 3	105	0
Unit 4	105	75
Unit 5	200	160
Unit 6	210	150
Unit 7	210	190
	1040	715
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	0
	1190	681
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	2035
Paras		
Unit 2	55	0
Unit 3	250	240
Unit 4	250	0
	555	240
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	810
Nasik		
Unit 1	120	0
Unit 2	120	100
Unit 3	210	210
Unit 4	210	200
Unit 5	210	210
	870	720
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	575

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	575
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	75
GHATGHAR	250	0
	611	188
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	1535
	960	1535
Tata		
Trombay 4	150	0
Trombay 5	500	425
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1802
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2975
	3143	2975