



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Mar/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	136.602	2642.974	1) Madhya Pradesh	55.425	1066.953
2) Hydro	10.050	328.784	2) Gujrat	24.157	593.680
3) Gas	13.674	272.369	3) Goa	-6.144	-132.299
Total MSGENCO	160.326	3244.127	4) TAPS 1&2 (Inj.)	7.267	152.448
B) OTHERS			5) Pench (Excess)	-0.028	-4.899
1) RGPPL Gas	35.018	649.826	# Total Cent. Sector	80.677	1675.883
2) Wind Generation	3.212	80.327	F) Other Exchanges		
3) CPP	3.942	11.951	1) With TPCL (Excess)	-0.627	-64.810
4) PENCH (MS)	0.028	5.127	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.979	124.382
1) TPCL Thermal	31.642	622.125	Include PX	0.000	0.000
2) TPCL Hydro	1.047	85.739	2) MUMBAI Bilateral	1.670	80.543
TOTAL TPCL	32.689	707.864	Include PX	1.185	33.785
3) REL Thermal	12.621	265.477	3) MUMBAI Schedule	1.670	80.543
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	180.865	3530.576	1) MSEDCL	282.576	5602.431
2) Hydro (A2+B3+C2)	11.125	419.650	2) TPCL	28.912	669.686
3) Gas (A3+B1)	48.692	922.195	3) REL	17.017	368.441
4) Wind (B2)	3.212	80.327	TOTAL STATE	328.505	6640.558
5) CPP (B3)	3.942	11.951			
TOTAL STATE	247.836	4964.699			

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	5681	5706	5717
MSGENCO Hydro	855	826	362
MSGENCO Gas	549	554	574
MSGENCO Total Generation	7085	7086	6653
Central Sector Receipt	3283	3318	2899
RGPPL	1500	1475	1385
WIND	55	185	167
CPP	150	200	146
Exchange with TPCL	-51	-16	79
MSEDCL DEMAND MET	12022	12248	11328
Load Shedding	3442	3784	2233
MSEDCL DEMAND (INCL. LS)	15464	16032	13562
TPCL GENERATION	1376	1583	1259
REL GENERATION	524	526	529
TPCL+REL DEMAND	1951	2125	1709
STATE DEMAND MET	13974	14372	13038
STATE DEMAND (INCL. LS)	17416	18156	15270
Frequency (Hz)	49.65	49.58	49.78
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4182 MW At 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			84.83 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.32 Hz at 16.05 Hrs	48.94 Hz at 09.26 Hrs	49.65	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 21/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.83	32.05	87	56	75
Unit 2	1.56	33.74	70	29	65
Unit 3	0.00	0.00	0	0	0
Unit 4	1.91	36.44	97	68	75
Unit 5	3.60	75.19	164	128	160
Unit 6	3.63	77.13	166	142	150
Unit 7	4.38	73.24	204	150	190
	16.91	327.80			715
Bhusawal					
Unit 1	1.13	22.37	50	37	50
Unit 2	4.48	93.67	197	172	195
Unit 3	4.50	87.26	194	178	195
	10.11	203.30			440
Parli					
Unit 1	0.57	11.57	25	22	23
Unit 2	0.56	9.70	24	22	23
Unit 3	0.00	37.16	0	0	0
Unit 4	4.36	87.59	194	165	200
Unit 5	4.41	88.69	198	172	185
Unit 6	6.05	124.94	254	249	250
Unit 7	6.07	51.22	260	246	0
	22.02	410.88			681
Chandrapur					
Unit 1	3.33	59.82	144	118	150
Unit 2	3.43	71.08	148	128	140
Unit 3	3.83	84.38	179	139	210
Unit 4	4.36	94.27	193	152	210
Unit 5	10.19	160.55	455	406	450
Unit 6	9.52	188.96	425	360	425
Unit 7	9.70	213.41	454	364	450
	44.35	872.48			2035
Paras					
Unit 2	0.01	14.74	6	0	0
Unit 3	5.86	62.08	250	236	240
Unit 4	2.01	16.30	111	0	0
	7.88	93.12			240
Khaparkheda					
Unit 1	4.84	77.84	207	187	200
Unit 2	4.48	80.38	194	172	190
Unit 3	4.72	95.52	212	171	210
Unit 4	4.82	90.05	210	188	210
	18.86	343.79			810
Nasik					
Unit 1	0.00	44.21	0	0	0
Unit 2	2.33	47.57	100	91	100
Unit 3	4.89	102.63	209	198	210
Unit 4	4.49	96.44	202	176	200
Unit 5	4.76	100.76	206	183	210
	16.47	391.61			720
Koyna					
Stage 1-2	2.28	53.54	360	35	600
Stage 4	4.78	141.09	546	0	250
Stage 3	1.05	42.04	160	0	240
	8.11	236.67			1090
Kovna 12&4 Total	7.06	194.63			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		13.67	272.37	608	541	575
		13.67	272.37			575
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		0.12	43.64	6	5	20
BHIRA T.R.		0.24	4.39	70	0	80
RNGR+BHTSA		0.29	6.46	13	12	13
BHANDARDRA		0.00	1.01	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.60	1.34	25	25	75
GHATGHAR		0.69	10.05	125	0	0
		1.94	92.11			188
PENCH (MS)						
Pench (MS)		0.03	5.13	25	0	
		0.03	5.13			
Wind						
MalharPeth		0.14	3.58			
Vankuswadi		0.36	7.34			
ATIT		0.16	2.46			
Kale		0.09	2.80			
Satara		0.10	2.66			
Shirala		0.11	2.82			
K Mahankal		0.06	2.07			
Supa		0.15	2.33			
Vita		0.25	10.88			
Dondaicha		0.98	25.52			
Sakri		0.00	4.00			
Nandurbar		0.37	4.10			
Khadakale		0.32	5.62			
Khaparale		0.12	4.15			
		3.21	80.33			
CPP						
TOTAL CPP		3.94	11.95			
		3.94	11.95			
Dabhol						
RGPPL		35.02	649.83	1590	1380	1535
		35.02	649.83			1535
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	207.77	415	415	425
Trombay 6		11.12	196.02	510	360	500
Trombay 7A		2.88	61.03	122	117	120
Trombay 7B		1.62	34.24	68	67	60
Trombay 8		6.06	123.07	255	250	250
TATA Hydro		1.05	85.74	269	2	447
		32.69	707.86			1802
REL						
1&2		12.62	265.48	529	523	500
		12.62	265.48			500
Cent Sect						
Share						2975
						2975
MS PG CL	Thermal	136.60	2642.97			5641
	Thml+Gas	150.28	2915.34			6216
	Hydro	10.05	328.78			1278
	Total	160.33	3244.13			7494
State Total		247.84	4964.70			14306

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	5647	678	579	6904	1380	191	162	2778	3249	-66	-75	11812	2031	13842	2052	15894	49.39
2	5676	615	575	6866	1380	166	146	2685	3135	29	41	11734	2099	13832	1875	15708	49.49
3	5710	532	575	6817	1382	139	144	2686	3088	29	46	11616	2028	13644	1797	15442	49.47
4	5717	362	574	6653	1385	167	146	2691	2899	29	79	11328	2233	13562	1709	15270	49.78
5	5666	367	575	6608	1386	175	142	2691	2945	29	90	11346	2341	13688	1654	15342	49.59
6	5750	518	576	6844	1385	156	144	2683	3071	29	88	11688	2666	14354	1677	16032	49.53
7	5816	109	596	6521	1500	182	152	3070	2691	34	89	11136	3558	14694	1690	16384	49.59
8	5834	82	608	6524	1420	164	150	3046	2800	19	74	11132	3765	14896	1694	16590	49.67
9	5792	87	608	6487	1420	94	150	3030	3079	34	87	11318	3569	14886	1711	16598	49.69
10	5703	108	606	6417	1480	84	164	3159	3159	-98	-44	11260	3569	14830	1837	16666	49.71
11	5700	294	599	6593	1475	55	146	3128	3596	-98	-52	11814	3338	15152	1907	17058	49.80
12	5681	855	549	7085	1500	55	150	3125	3283	-98	-51	12022	3442	15464	1951	17416	49.65
13	5643	966	541	7150	1500	54	168	3139	3286	-98	-89	12070	3436	15506	1981	17486	49.71
14	5672	459	550	6681	1490	52	156	3262	3415	-169	-137	11656	3413	15070	2021	17090	49.67
15	5643	108	554	6305	1495	55	148	3298	3828	-169	-128	11702	3595	15298	2004	17302	49.91
16	5640	87	554	6281	1495	68	158	3247	3718	-169	-134	11586	3432	15018	2012	17030	49.82
17	5682	77	556	6315	1590	98	154	3240	3959	-169	-126	11990	3456	15446	1963	17410	49.85
18	5674	82	558	6314	1480	85	164	3262	3964	-169	-133	11874	3128	15002	1929	16930	49.97
19	5700	204	548	6452	1490	136	174	2890	3811	-58	-16	12046	3563	15610	1929	17538	49.83
20	5706	826	554	7086	1475	185	200	3011	3318	-58	-16	12248	3784	16032	2125	18156	49.58
21	5686	617	558	6861	1475	216	204	3013	3689	-58	6	12450	3477	15928	2156	18084	49.57
22	5699	794	560	7053	1480	213	210	3074	3519	-117	-56	12418	3494	15912	2134	18046	49.57
23	5619	714	561	6894	1480	217	204	3093	3568	-153	-82	12284	3199	15484	2079	17562	49.45
24	5548	509	560	6617	1475	205	204	2983	3607	-153	-88	12046	2289	14334	2050	16384	49.36
MUs	136.60	10.05	13.67	160.33	35.02	3.21	3.94	72.28	80.68	-1.67	-0.63	282.58	74.90	357.48	45.94	403.42	49.65

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 21/Mar/2010

Position as on 6.30 Hrs of 22/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
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
Paras Unit 4	250	21/03/2010	22.35	22/03/2010	01.18	Coal Mill Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Mar/2010

Position as on 6.30 Hrs of 22/Mar/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		
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		
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 100MVA ICT-I at Parly-II	20/03/2010	09.35		Continued.	HV Breaker Replacement work,ICT on TBC.
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 : 100KV			Outage Type PLANNED OUTAGE		
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		
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 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.
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 22/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	140
Unit 6	210	160
Unit 7	210	185
	1040	700
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	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	2015
Paras		
Unit 2	55	24
Unit 3	250	240
Unit 4	250	0
	555	264
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
	840	780
Nasik		
Unit 1	120	0
Unit 2	120	100
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	870	700
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	600

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	600
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	113
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	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1400
	960	1400
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	3257
	3143	3257

	17376	14342
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