



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Mar/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Mar/2011 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.361	2561.434	1) Madhya Pradesh	59.377	1016.802
2) Hydro	22.796	408.683	2) Gujrat	33.999	566.321
3) Gas	15.366	269.670	3) Goa	-6.590	-122.914
Total MSGENCO	161.523	3239.787	4) TAPS 1&2 (Inj.)	3.878	85.552
B) OTHERS			5) Pench (Excess)	-0.150	-4.950
1) RGPPL Gas	27.667	554.837	# Total Cent. Sector	90.514	1540.811
2) Wind Generation	5.507	66.934	F) Other Exchanges		
3) CPP	26.742	472.099	1) With TPCL (Excess)	-10.959	-185.177
4) PENCH (MS)	0.150	4.950	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	12.743	267.512
1) TPCL Thermal	24.582	470.065	Include PX	0.000	0.000
2) TPCL Hydro	4.558	75.080	2) MUMBAI Bilateral	10.979	184.781
TOTAL TPCL	29.140	545.145	Include PX	2.234	29.463
3) REL Thermal	12.706	241.011	3) MUMBAI Schedule	10.979	184.781
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	160.649	3272.510	1) MSEDCL	301.144	5694.241
2) Hydro (A2+B3+C2)	27.504	488.713	2) TPCL	35.268	645.464
3) Gas (A3+B1)	43.033	824.507	3) REL	17.536	325.787
4) Wind (B2)	5.507	66.934	TOTAL STATE	353.948	6665.492
5) CPP (B3)	26.742	472.099			
TOTAL STATE	263.435	5124.763			

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	5295	5268	4788
MSGENCO Hydro	1712	895	235
MSGENCO Gas	638	642	615
MSGENCO Total Generation	7645	6805	5638
Central Sector Receipt	3994	3569	3243
RGPPL	1066	1287	1071
WIND	121	293	250
CPP	1146	1172	1036
Exchange with Mumbai	-614	-531	-291
MSEDCL DEMAND MET	13358	12615	10947
Load Shedding (LS)	247	0	0
MSEDCL DEMAND (INCL. LS)	13605	12615	10947
TPCL GENERATION	1552	1383	943
REL GENERATION	530	529	530
TPCL+REL DEMAND	2696	2443	1764
STATE DEMAND MET	16054	15058	12711
Load Management (LM)	2312	3658	2043
Total Load Relief (LS+LM)	2559	3658	2043
UNRESTRICTED STATE DEMAND	18613	18716	14754
Frequency (Hz)	49.96	49.89	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.56 Hz at 18:03 Hrs	49.4 Hz at 19:10 Hrs	49.94	0 % of Time(min)

* 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 19/Mar/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.97	61.86	177	148	162
Unit 6	3.70	78.65	190	118	126
Unit 7	4.15	74.42	200	145	162
	11.81	214.93			450
Bhusawal					
Unit 2	2.00	63.92	170	0	50
Unit 3	4.34	82.68	195	170	200
Unit 4			0	0	
	6.34	146.61			250
Parli					
Unit 3	4.42	81.59	198	169	185
Unit 4	4.29	78.88	189	155	183
Unit 5	4.20	80.31	189	144	168
Unit 6	4.78	90.16	247	134	140
Unit 7	4.56	87.59	253	55	150
	22.24	418.54			826
Chandrapur					
Unit 1	3.79	73.66	166	143	165
Unit 2	3.60	74.71	161	137	160
Unit 3	3.83	53.62	180	135	165
Unit 4	4.21	83.39	190	146	185
Unit 5	10.54	214.30	490	380	490
Unit 6	10.76	210.83	475	350	480
Unit 7	0.73	198.11	482	0	0
	37.47	908.61			1645
Paras					
Unit 3	5.90	109.29	257	166	230
Unit 4	5.79	88.19	258	181	226
	11.69	197.48			456
Khaparkheda					
Unit 1	4.53	92.06	200	175	210
Unit 2	4.59	89.60	200	180	210
Unit 3	5.23	94.86	221	212	210
Unit 4	5.21	97.56	220	211	210
Unit 5			0	0	
	19.56	374.08			840
Nasik					
Unit 1	1.65	31.40	92	0	90
Unit 2	0.00	35.80	0	0	0
Unit 3	4.20	80.29	190	160	180
Unit 4	4.15	83.45	195	149	190
Unit 5	4.24	70.24	194	161	180
	14.24	301.18			640
Uran					
All Units	15.37	269.67	685	613	630
	15.37	269.67			630
Dabhol					
RGPPL	27.67	554.84	1292	1066	1250
	27.67	554.84			1250
Koyna					
Stage 1-2	6.40	83.34	565	30	600
Stage 4	7.77	172.44	818	0	250
Stage 3	3.34	54.98	292	0	320
	17.51	310.76			1170
Kovna 12&4 Total	14.17	255.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.48	6.68	38	18	36
VTRNA	1.12	19.62	61	0	60
TILLARI	0.37	7.86	60	0	60
BHTGR/VEER	0.12	4.43	5	4	20
BHIRA T.R.	0.26	4.10	82	0	80
RNGR+BHTSA	0.35	6.92	15	14	15
BHANDARDRA	0.66	2.70	28	27	15
ELDARY	0.41	4.43	24	15	0
SMLHY PTN	0.94	18.52	40	39	27
GHATGHAR	0.58	22.66	125	0	0
	5.28	97.92			313
PENCH (MS)					
Pench (MS)	0.15	4.95	53	0	
	0.15	4.95			
Wind					
MalharPeth	0.09	2.31			
Vankuswadi	0.29	5.70			
ATIT	0.04	0.92			
Kale	0.10	2.11			
Satara	0.34	4.36			
Shirala	0.10	2.16			
K Mahankal	0.01	3.04			
Supa	0.11	2.15			
Vita	0.24	11.11			
Dondaicha	2.47	18.10			
Nandurbar	0.48	2.46			
Khandke	0.36	6.10			
Khaparale	0.38	3.14			
	5.02	63.65			
CPP					
JSW JAIGAD	12.78	220.01	566	470	550
WARDHA	8.20	138.64	360	307	312
Other CPPs	5.76	113.45			
	26.74	472.10			862
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.64	199.30	450	380	500
Trombay 6	3.72	98.14	190	150	500
Trombay 7A	2.96	55.24	126	120	120
Trombay 7B	1.62	30.65	68	67	60
Trombay 8	5.64	86.73	250	150	250
TATA Hydro	4.56	75.08	471	0	447
	29.14	545.14			1877
REL					
1&2	12.71	241.01	530	527	500
	12.71	241.01			500
Cent Sect					
Share					3361
					3361

MS PG CL	Thermal	123.36	2561.43			5107
	Thml+Gas	138.73	2831.10			5737
	Hydro	22.80	408.68			1483
	Total	161.52	3239.79			7220
State Total		263.44	5124.76			15070

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Mar/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	5174	240	613	6027	1077	202	1039	3069	2887	-478	-495	10737	3169	10737	2091	15997	49.71
2	4886	245	613	5744	1080	216	1048	2924	3154	-284	-317	10925	3167	10925	1872	15964	49.95
3	4788	235	615	5638	1071	250	1036	2918	3243	-271	-291	10947	2043	10947	1764	14754	49.93
4	4838	400	632	5870	1071	229	1039	2899	3589	-222	-265	11533	1604	11533	1688	14825	49.94
5	4912	723	648	6283	1072	236	1036	2851	3653	-174	-216	12064	1682	12064	1618	15364	49.93
6	4961	749	681	6391	1073	179	1086	2785	3789	-136	-161	12357	1898	12357	1703	15958	49.89
7	5103	764	685	6552	1098	218	1086	3022	3949	-186	-219	12684	2117	12703	1762	16563	49.99
8	5158	757	680	6595	1099	132	1082	3083	4236	-253	-259	12885	2296	13083	1823	17004	50.02
9	5263	993	672	6928	1094	63	1092	3181	4239	-349	-356	13060	2412	13374	2027	17499	49.89
10	5321	1874	676	7871	1086	64	1106	3181	3665	-349	-378	13414	2457	13776	2298	18169	49.82
11	5252	1890	646	7788	1078	73	1124	3379	3828	-545	-534	13357	2587	13664	2604	18548	50.03
12	5295	1712	638	7645	1066	121	1146	3475	3994	-641	-614	13358	2559	13605	2696	18613	49.96
13	5262	1548	636	7446	1068	153	1165	3503	4109	-711	-700	13241	2564	13493	2658	18463	49.97
14	5204	1610	630	7444	1069	207	1173	3406	4208	-615	-609	13492	2540	13720	2543	18575	50.00
15	5223	1679	637	7539	1066	255	1160	3462	4221	-639	-630	13611	2404	13882	2582	18597	49.95
16	5176	1539	625	7340	1197	301	1168	3561	4185	-639	-632	13559	2424	13850	2526	18509	50.00
17	5045	1383	628	7056	1284	419	1180	3538	4319	-615	-601	13657	2378	13946	2461	18496	50.00
18	5208	1095	639	6942	1286	359	1172	3467	4361	-543	-530	13590	2264	13899	2363	18217	50.07
19	5311	943	629	6883	1287	365	1168	3322	3544	-480	-465	12782	3290	12882	2299	18371	50.11
20	5268	895	642	6805	1287	293	1172	3474	3569	-553	-531	12615	3658	12615	2443	18716	49.89
21	5168	748	617	6533	1288	276	1174	3463	3649	-537	-514	12433	3658	12433	2402	18493	49.87
22	5162	345	626	6133	1289	302	1120	3449	3613	-537	-501	12009	3658	12009	2300	17967	49.87
23	5151	207	629	5987	1289	302	1086	3425	3327	-657	-613	11415	3658	11415	2184	17257	49.80
24	5232	222	629	6083	1292	292	1084	3268	3180	-566	-528	11416	3658	11416	2098	17172	49.87
MUs	123.36	22.80	15.37	161.52	27.67	5.51	26.74	78.10	90.51	-10.98	-10.96	301.14	64.14	304.33	52.80	418.09	49.94

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 19/Mar/2011

Position as on 6.30 Hrs of 20/Mar/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 2	80	04/03/2011	01.25		Continued.	Refueling Work.	04/04/2011
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation work	25/04/2011
FORCED OUTAGE							
Bhusawal Unit 2	210	16/03/2011	10:22	19/03/2011	04.14	Boiler tube leakage.	
Nasik Unit 2	125	18/03/2011	21.07		Continued.	BLR T/L.	21/03/2011
Dabhol 2B	230	18/03/2011	23.23		Continued.	For inlet air filter replacement.	22/03/2011
Chandrapur Unit 7	500	19/03/2011	01.04	19/03/2011	22.10	Low drum level.	
Bhusawal Unit 2	210	19/03/2011	14.35	19/03/2011	17.25	Tripped due to HP Heater level very low.	
Nasik Unit 1	125	19/03/2011	19.50		Continued.	BLR T/L.	22/03/2011
CPP WPCL U-1	135	20/03/2011	19:49		Continued.	Boiler Tube Leakage.	23/03/2011
Cent_Sect NTPC(V) 9	500	20/03/2011	21:19		Continued.	Tripped.	21/03/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Mar/2011

Position as on 6.30 Hrs of 20/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	14/03/2011	23.35		Continued.	Over Voltage
Kolhapur - Mapusa - I	18/03/2011	21.27	19/03/2011	09.02	Over Voltage.
Kolhapur - Mapusa - I	19/03/2011	23.43		Continued.	Over Voltage.
Dhule - S'Sarovar- II	20/03/2011	13:55		Continued.	H/T For O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Boiser-Taps	19/03/2011	06.32	19/03/2011	12.42	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of BSL-KORDY at BSL end	18/03/2011	12.51		Continued.	O/H work
Karad - Newkoyna - I	18/03/2011	23.13	19/03/2011	07.15	Retrofitting work of Main II, distance protection relay.
New Koyna-Karad-II	19/03/2011	22.41	20/03/2011	05.12	Relay Retrofitting Work.
Lonikand-Karad	20/03/2011	07:45		Continued.	Errection of 2 Nos. of In line towers at Loc. No. 328 (for 1 days).
400/132KV 200 MVA ICT-I @ Bhusawal	20/03/2011	13:42		Continued.	Replacement of Main Bus I and II Isolator under LES scheme. (ICT LV side is on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
Borivali-Mulund	06/02/2011	22.17		Continued.	From Borivali end for strengthing Mumbai system up to 30.03.11
220/110 KV 100 MVA T/F - II @ Mudshingi	07/02/2011	15.12		Continued.	Augmentation by 200 MVA.up to 30/03/11
Tifil-Trombay	13/02/2011	09.50		Continued.	Stringing of New Ckt.Between loc.no.22-39 on Newly Erected
220/132 KV 150 MVA ICT-I @ Dhule	26/02/2011	10.55		Continued.	Repl.of 150MVA ICT by 200MVA ICT up to 31.03.2011
220/100KV 125 MVA ICT-II @ Kalwa	28/02/2011	11.10		Continued.	Augmetation to 200 MVA up to 31.03.2011.
Tarapur Zone-I	14/03/2011	09.37		Continued.	Maintenance work.
Borivali - Salset - I	15/03/2011	09.00	19/03/2011	00.58	Re Routing of Line in BMC Area
Kandalgaon - ONGC	19/03/2011	08.15	19/03/2011	18.55	E/W Stringing Work.
Khargar-Topworth	19/03/2011	08.35	19/03/2011	19.36	E/W Stringing Work.
Kanhan - Bhandara - II	19/03/2011	08.52	19/03/2011	16.40	Replacement of Disc Insulator.
220/100 KV 125MVA ICT-II @ Borivali	19/03/2011	09.30		Continued.	Augmentation ny 200MVA.
220/132 KV100 MVA ICT-I @ Chalisgaon	19/03/2011	14.26		Continued.	Augmentation from 100 to 200 MVA ICT (up to 31.03.2011)
220/132 KV100 MVA ICT-I @ Chalisgaon	19/03/2011	14:26		Continued.	Replacement by 200 MVA ICT upto 31/03/2011.
220/100 KV 200 MVA ICT II at Trombay	19/03/2011	15.10	19/03/2011	17.32	To release air.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Palghar-TSS II	19/03/2011	10.25	19/03/2011	14.22	Conductor replacement.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
LV CB of 400/220 kV 315 MVA ICT-1 @ Parli	11/02/2011	22:43		Continued.	PDR problem (ICT LV side is on TBC)

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Mar/2011

Position as on 6.30 Hrs of 20/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bombay Dyeing - Sahara	20/03/2011	03.18	20/03/2011	03.55	Red Hot Y-Ph.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	19/03/2011	23.57	20/03/2011	05.00	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Abhijeet II	05/03/2011	07.49		Continued.	To control 220KV A'zari-AEPL loading.
Babaleshwar - Bhenda	05/03/2011	20.47		Continued.	To control BBLSR ICT Load
Alephata-Kathapur	06/03/2011	07.52	19/03/2011	10.15	To control Load on BBLSR ICT
Chandrapur-Warora - I	11/03/2011	21.53		Continued.	To control Warora-Hinganghat loading.
Hingoli-Pusad	19/03/2011	17.24		Continued.	To control Wardha-Y'mal ckt loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	18/02/2011	10.56		Continued.	From Kalwa End
Voltage Level : 220KV			Outage Type TRIPPED		
Kolshet - Kamba	19/03/2011	13.20	19/03/2011	13.29	Distance Protection.
Wada-Kolshet	19/03/2011	13.20	19/03/2011	19.11	Distance Protection.
Kurkumb-Bhigwan	19/03/2011	13.45	19/03/2011	1410	Distance Protection.
Bhandara - Rly TSS - II	19/03/2011	16.58	19/03/2011	18.25	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Katol	19/03/2011	13.34	19/03/2011	13.46	D/P, R & Y-Ph.
Chalisgaon - Manmad	19/03/2011	23.55		Continued.	R-Ph CT Burst.
Chalisgaon - Manmad - I	19/03/2011	23:55	20/03/2011	20:50	R. Ph CT Burst at Chalisgaon.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Mar/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	180
Unit 6	210	190
Unit 7	210	205
	620	575
Bhusawal		
Unit 2	210	170
Unit 3	210	190
Unit 4	0	
	420	360
Parli		
Unit 3	210	175
Unit 4	210	185
Unit 5	210	155
Unit 6	250	200
Unit 7	250	240
	1130	955
Chandrapur		
Unit 1	210	165
Unit 2	210	155
Unit 3	210	185
Unit 4	210	180
Unit 5	500	425
Unit 6	500	470
Unit 7	500	480
	2340	2060
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	210
Unit 5	0	
	840	840
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	180
Unit 4	210	190
Unit 5	210	180
	870	550
Uran		
All Units	852	630
	852	630
Dabhol		
RGPP	1940	1270
	1940	1270
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	36

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	25
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	299
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	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	465
WARDHA	405	312
Other CPPs	0	
	1005	777
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	3455	3133
	3455	3133