



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Mar/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	133.791	2373.014	1) Madhya Pradesh	49.321	957.736
2) Hydro	12.414	303.631	2) Gujrat	20.736	544.663
3) Gas	14.009	244.717	3) Goa	-6.543	-119.757
Total MSGENCO	160.214	2921.362	4) TAPS 1&2 (Inj.)	7.222	137.981
B) OTHERS			5) Pench (Excess)	-0.066	-4.871
1) RGPPL Gas	36.881	579.365	# Total Cent. Sector	70.670	1515.752
2) Wind Generation	1.914	74.758	F) Other Exchanges		
3) CPP	2.939	3.107	1) With TPCL (Excess)	-4.866	-59.797
4) PENCH (MS)	0.066	5.099	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.656	112.747
1) TPCL Thermal	31.864	558.541	Include PX	0.000	0.000
2) TPCL Hydro	6.246	79.745	2) MUMBAI Bilateral	4.734	74.022
TOTAL TPCL	38.110	638.286	Include PX	1.582	31.338
3) REL Thermal	12.625	240.244	3) MUMBAI Schedule	4.734	74.022
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	178.280	3171.799	1) MSEDCL	267.818	5039.646
2) Hydro (A2+B3+C2)	18.726	388.475	2) TPCL	35.970	606.309
3) Gas (A3+B1)	50.890	824.082	3) REL	19.629	332.002
4) Wind (B2)	1.914	74.758	TOTAL STATE	323.417	5977.957
5) CPP (B3)	2.939	3.107			
TOTAL STATE	252.749	4462.221			

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	5638	5617	5533
MSGENCO Hydro	270	1104	475
MSGENCO Gas	580	560	622
MSGENCO Total Generation	6488	7281	6630
Central Sector Receipt	3408	3222	2308
RGPPL	1517	1537	1541
WIND	34	111	94
CPP	93	145	118
Exchange with TPCL	-469	-339	66
MSEDCL DEMAND MET	11071	11964	10757
Load Shedding	4030	4335	2203
MSEDCL DEMAND (INCL. LS)	15101	16299	12960
TPCL GENERATION	1826	1829	1198
REL GENERATION	524	523	528
TPCL+REL DEMAND	2819	2691	1660
STATE DEMAND MET	13890	14655	12417
STATE DEMAND (INCL. LS)	17920	18990	14620
Frequency (Hz)	49.20	49.31	49.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4148MW at 23.00 Hrs.
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			83.18 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.15 Hz at 18.03 Hrs	48.79 Hz at 04.56 Hrs	49.3	11.64 % 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 19/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.97	28.22	88	78	80
Unit 2	1.65	30.54	91	57	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.93	32.66	87	62	80
Unit 5	3.71	67.77	164	137	140
Unit 6	3.75	69.72	164	144	160
Unit 7	4.64	64.14	205	166	180
	17.65	293.04			710
Bhusawal					
Unit 1	1.17	20.03	50	45	50
Unit 2	4.57	84.79	198	179	195
Unit 3	4.54	78.22	195	185	195
	10.29	183.05			440
Parli					
Unit 1	0.57	10.46	24	22	23
Unit 2	0.55	8.60	24	21	23
Unit 3	0.00	37.16	0	0	0
Unit 4	3.89	79.24	201	109	200
Unit 5	4.30	79.94	184	172	185
Unit 6	5.93	113.40	261	231	250
Unit 7	4.92	39.21	258	125	0
	20.16	368.01			681
Chandrapur					
Unit 1	3.32	53.39	146	122	150
Unit 2	3.35	64.78	146	123	150
Unit 3	3.70	77.10	188	118	180
Unit 4	4.40	86.01	200	146	200
Unit 5	10.35	140.30	473	380	400
Unit 6	9.12	170.53	415	276	425
Unit 7	9.99	193.72	460	385	450
	44.22	785.85			1955
Paras					
Unit 2	0.57	14.44	28	3	24
Unit 3	5.59	50.60	244	220	240
Unit 4	2.50	11.80	120	86	0
	8.66	76.84			264
Khaparkheda					
Unit 1	0.00	70.84	0	0	0
Unit 2	4.53	71.47	193	181	195
Unit 3	4.68	85.90	216	172	175
Unit 4	4.94	80.35	211	192	205
	14.15	308.57			575
Nasik					
Unit 1	2.35	43.02	105	78	100
Unit 2	2.23	43.04	100	72	100
Unit 3	4.79	92.90	210	190	210
Unit 4	4.55	87.38	198	181	210
Unit 5	4.74	91.31	207	178	200
	18.66	357.66			820
Koyna					
Stage 1-2	2.30	48.74	245	40	600
Stage 4	5.72	128.18	857	0	250
Stage 3	1.36	38.36	240	0	240
	9.38	215.29			1090
Kovna 12&4 Total	8.01	176.92			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		14.01	244.72	630	524	630
		14.01	244.72			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	60
BHTGR/VEER		2.19	43.08	92	91	95
BHIRA T.R.		0.29	3.80	82	0	80
RNGR+BHTSA		0.30	5.88	13	12	13
BHANDARDRA		0.00	1.01	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.00	0.00	0	0	0
GHATGHAR		0.26	9.36	125	0	0
		3.04	88.34			248
PENCH (MS)						
Pench (MS)		0.07	5.10	25	0	
		0.07	5.10			
Wind						
MalharPeth		0.09	3.34			
Vankuswadi		0.25	6.74			
ATIT		0.04	2.17			
Kale		0.10	2.62			
Satara		0.03	2.52			
Shirala		0.07	2.64			
K Mahankal		0.14	2.00			
Supa		0.04	2.02			
Vita		0.59	10.43			
Dondaicha		0.15	23.81			
Sakri		0.04	3.89			
Nandurbar		0.01	3.58			
Khadakale		0.29	5.06			
Khaparale		0.08	3.91			
		1.91	74.76			
CPP						
TOTAL CPP		2.94	3.11			
		2.94	3.11			
Dabhol						
RGPPL		36.88	579.36	1554	1517	1540
		36.88	579.36			1540
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.84	187.90	410	410	450
Trombay 6		11.55	173.42	510	325	500
Trombay 7A		2.83	55.28	120	116	120
Trombay 7B		1.62	30.98	68	67	60
Trombay 8		6.02	110.95	254	250	250
TATA Hydro		6.25	79.74	471	0	447
		38.11	638.29			1827
REL						
1&2		12.62	240.24	528	523	500
		12.62	240.24			500
Cent Sect						
Share						2959
						2959
MS PG CL	Thermal	133.79	2373.01			5445
	Thml+Gas	147.80	2617.73			6075
	Hydro	12.41	303.63			1338
	Total	160.21	2921.36			7413
State Total		252.75	4462.22			14239

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	5339	1276	610	7225	1546	69	123	2502	2550	29	26	11539	2075	13614	1858	15472	49.15
2	5511	832	621	6964	1549	72	118	2467	2344	29	80	11127	2131	13258	1796	15054	49.35
3	5490	715	620	6825	1537	90	117	2468	2334	29	72	10975	1955	12930	1724	14654	49.07
4	5533	475	622	6630	1541	94	118	2470	2308	29	66	10757	2203	12960	1660	14620	49.04
5	5529	422	620	6571	1540	123	108	2472	2366	29	62	10783	2311	13094	1639	14733	48.91
6	5613	780	622	7015	1540	154	116	2472	2626	29	42	11518	2606	14124	1711	15835	48.98
7	5690	148	630	6468	1554	161	114	2858	2343	34	33	10675	3986	14661	1823	16484	49.44
8	5641	149	630	6420	1552	113	98	2927	2672	34	26	10881	4250	15131	1951	17082	49.42
9	5614	150	626	6390	1543	59	75	2988	2561	34	17	10645	4134	14779	2124	16903	49.36
10	5626	145	614	6385	1536	54	137	3399	3234	-322	-314	11032	4065	15097	2576	17673	49.39
11	5661	205	598	6464	1522	39	132	3467	3266	-389	-414	11009	3888	14897	2762	17659	49.28
12	5638	270	580	6488	1517	34	93	3462	3408	-389	-469	11071	4030	15101	2819	17920	49.20
13	5619	226	550	6395	1522	34	120	3456	3214	-389	-448	10837	4005	14842	2797	17639	49.36
14	5673	153	545	6371	1531	39	105	3463	2827	-389	-435	10438	3944	14382	2722	17104	49.59
15	5569	143	524	6236	1517	53	111	3426	3116	-389	-442	10591	4085	14676	2765	17441	49.33
16	5467	168	531	6166	1522	47	106	3365	3358	-389	-445	10754	3872	14626	2773	17399	49.34
17	5594	183	533	6310	1525	77	119	3368	3470	-389	-440	11061	3893	14954	2746	17700	49.37
18	5567	245	550	6362	1531	80	126	3371	3531	-389	-421	11209	3511	14720	2656	17376	49.37
19	5629	330	564	6523	1538	89	117	3061	3154	-304	-327	11113	4105	15218	2678	17896	49.48
20	5617	1104	560	7281	1537	111	145	3144	3222	-273	-339	11964	4335	16299	2691	18990	49.31
21	5630	1254	563	7447	1539	67	168	3131	3043	-257	-209	12055	4002	16057	2552	18609	49.28
22	5631	864	568	7063	1547	66	168	3131	3286	-257	-195	11935	4033	15968	2436	18404	49.42
23	5499	1135	565	7199	1547	89	156	3115	3273	-241	-201	12063	3258	15321	2212	17533	49.40
24	5412	1042	564	7018	1548	102	149	2964	3164	-241	-191	11790	2348	14138	2130	16268	49.34
MUs	133.79	12.41	14.01	160.22	36.88	1.92	2.94	72.95	70.67	-4.73	-4.87	267.82	83.02	350.85	55.60	406.45	49.30

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 19/Mar/2010

Position as on 6.30 Hrs of 20/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(V-8)	500	18/03/2010	05:06	19/03/2010	06.31	BTL.	
Khaparkheda Unit 1	210	18/03/2010	19.09	20/03/2010	10.48	BTL.	
Paras Unit 2	55	18/03/2010	20:50	19/03/2010	00:41	Stn. transformer "Y" Phase CT Burst. (Aux supply fail).	
Nasik Unit 1	125	20/03/2010	12.18		Continued.	BLR T/L.	23/03/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Mar/2010

Position as on 6.30 Hrs of 20/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
PENCH-KANHAN	18/03/2010	11:50	19/03/2010	19.15	Breaker work.
Tillary-Amona	19/03/2010	07.12	19/03/2010	17.00	Maintaince work.
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.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	18/03/2010	15:03	19/03/2010	09.51	Dist. prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Nagothane-II	19/03/2010	09.27	19/03/2010	18.09	R.M.Work
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.
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.
K'gaon-Pirangut	19/03/2010	07:44	19/03/2010	14:25	Replacement of disc insulator.
220 KV Interconnector alongwith 220KV Creek side Bus at Kalwa	19/03/2010	08.08	19/03/2010	15.05	Replacement of Y-Ph twin conductor.
220/132 KV,100 MVA T/F-I @ Malegaon	19/03/2010	08.30		Continued.	Repl.of 100 MVA ICT to 200 MVA.
Boiser-PGCIL-I	19/03/2010	08.50	19/03/2010	12.48	Red Hot Spot.
Temghar-Colourchem	19/03/2010	10.50	19/03/2010	15.31	Jumper Replacement work.
Boiser PGCIL-Boiser II	19/03/2010	13.51	19/03/2010	16.55	Red Hot Spot.
BUS SEC-II at Jejury	19/03/2010	13.57		Continued.	Renovation of Isolator
Bus Section -III @ Trombay	19/03/2010	14.10	19/03/2010	16.06	Red Hot Spot
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
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Borivali - Borivali - I	18/03/2010	22:23	19/03/2010	03:40	220 KV Borivali New Tie line work.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Mar/2010

Position as on 6.30 Hrs of 20/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
KALWA-SALSET I	20/03/2010	09.17	20/03/2010	22.28	LILO work of Airoli Knowledge park.
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Lonikand-Khadki	19/03/2010	12.25	19/03/2010	15.10	Dist.Protection
Chinchwad-Parvati	19/03/2010	12.35	19/03/2010	12.59	O/C.
Lonikand-Bhosari	19/03/2010	12.36	19/03/2010	16.35	Dist.Protection
Chinchwad - Hinjewadi	19/03/2010	12.36	19/03/2010	13.29	O/C.
Chinchwad-Bhosari	19/03/2010	12.36	19/03/2010	13.08	O/C.
Chinchwad-Urse	19/03/2010	12.36	19/03/2010	14.12	O/C.
Chinchwad - Telco	19/03/2010	12.36	19/03/2010	13.07	O/C.
Chinchwad-Theur	19/03/2010	12.36	19/03/2010	13.04	O/C.
Phursungi - Parvati	19/03/2010	12.36	19/03/2010	13.01	O/C.
B'dying-Sahara	19/03/2010	12.36	19/03/2010	14.06	O/C.
Phursungi - Jejuri	19/03/2010	12.37	19/03/2010	12.47	O/C & E/F.
Lonikand-Khadki	19/03/2010	16.25	19/03/2010	20.18	Dist.Protection
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
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.
Supreme Industry-Pahur	19/03/2010	17.21	19/03/2010	19.05	Tripped.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	85
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	150
Unit 6	210	160
Unit 7	210	205
	1040	750
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	125
Unit 2	210	125
Unit 3	210	140
Unit 4	210	140
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1830
Paras		
Unit 2	55	24
Unit 3	250	240
Unit 4	250	
	555	264
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	870	820
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	95
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
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	1540
	960	1540
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	3191
	3143	3191

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