



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/May/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.972	457.086	1) Madhya Pradesh	71.333	316.352
2) Hydro	20.464	78.694	2) Gujrat	26.477	114.873
3) Gas	16.615	83.183	3) Goa	-6.479	-28.954
Total MSGENCO	132.051	618.963	4) TAPS 1&2 (Inj.)	7.103	35.661
B) OTHERS			5) Pench (Excess)	-0.288	-0.544
1) RGPPL Gas	29.889	175.619	# Total Cent. Sector	98.146	437.388
2) Wind Generation	9.866	37.519	F) Other Exchanges		
3) CPP	4.057	21.120	1) With TPCL (Excess)	-10.114	-37.681
4) PENCH (MS)	0.288	0.544	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	3.624	15.126
1) TPCL Thermal	32.425	158.963	Include PX	1.155	2.783
2) TPCL Hydro	3.648	12.781	2) MUMBAI Bilateral	12.483	44.688
TOTAL TPCL	36.073	171.744	Include PX	2.484	2.524
3) REL Thermal	12.397	62.339	3) MUMBAI Schedule	12.483	44.688
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	139.794	678.388	1) MSEDCL	264.183	1253.472
2) Hydro (A2+B3+C2)	24.400	92.019	2) TPCL	36.959	170.909
3) Gas (A3+B1)	46.504	258.802	3) REL	21.625	100.851
4) Wind (B2)	9.866	37.519	TOTAL STATE	322.767	1525.232
5) CPP (B3)	4.057	21.120			
TOTAL STATE	224.621	1087.848			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3926	4048	4022
MSGENCO Hydro	477	1529	816
MSGENCO Gas	684	689	708
MSGENCO Total Generation	5087	6266	5546
Central Sector Receipt	4523	4038	3201
RGPPL	1513	572	1529
WIND	261	666	348
CPP	165	168	172
Exchange with TPCL	-662	-397	-138
MSEDCL DEMAND MET	10887	11337	10658
Load Shedding	3647	4327	1836
MSEDCL DEMAND (INCL. LS)	14534	15664	12494
TPCL GENERATION	1758	1763	1132
REL GENERATION	513	520	519
TPCL+REL DEMAND	2933	2680	1789
STATE DEMAND MET	13820	14017	12447
STATE DEMAND (INCL. LS)	17467	18344	14283
Frequency (Hz)	49.94	49.70	49.81
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6366 MW at 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			115.53 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 08.05 Hrs	49.32 Hz at 15.51 Hrs	49.83	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 05/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.61	8.64	74	58	70
Unit 2	1.53	8.00	75	43	70
Unit 3	1.76	8.86	86	53	70
Unit 4	0.00	0.01	0	0	0
Unit 5	2.90	14.87	154	67	120
Unit 6	3.33	15.60	154	127	120
Unit 7	3.50	16.72	172	124	135
	14.64	72.69			585
Bhusawal					
Unit 1	0.62	4.89	45	18	25
Unit 2	4.28	21.94	188	159	185
Unit 3	4.36	5.52	190	172	180
	9.27	32.36			390
Parli					
Unit 1	0.56	2.77	26	22	22
Unit 2	0.54	2.70	24	21	22
Unit 3	1.87	17.78	160	0	0
Unit 4	3.81	19.04	182	123	170
Unit 5	4.13	18.10	183	160	180
Unit 6	5.94	29.70	255	227	250
Unit 7	3.69	21.31	166	141	0
	20.55	111.41			644
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.29	21.37	188	171	180
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	4.29	21.37			180
Paras					
Unit 2	1.06	5.11	46	40	46
Unit 3	5.16	10.92	226	197	230
Unit 4	3.59	21.90	221	0	0
	9.81	37.93			276
Khaparkheda					
Unit 1	4.91	24.67	215	190	210
Unit 2	4.38	21.80	185	178	180
Unit 3	4.61	22.90	195	188	190
Unit 4	4.13	21.28	191	160	190
	18.03	90.65			770
Nasik					
Unit 1	2.20	10.83	98	72	95
Unit 2	2.08	10.01	96	67	90
Unit 3	4.78	23.59	205	190	200
Unit 4	4.66	23.17	202	184	200
Unit 5	4.67	23.07	206	186	210
	18.39	90.67			795
Koyna					
Stage 1-2	4.76	17.28	515	40	600
Stage 4	9.48	36.57	1113	0	250
Stage 3	3.78	12.35	320	0	320
	18.02	66.20			1170
Kovna 12&4 Total	14.23	53.85			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.62	83.18	718	625	680
		16.62	83.18			680
Hydro						
KDPH		0.15	1.95	19	0	19
VTRNA		0.00	1.73	0	0	0
TILLARI		0.24	1.29	60	0	60
BHTGR/VEER		0.48	2.06	20	20	20
BHIRA T.R.		0.10	0.61	43	0	40
RNGR+BHTSA		0.26	1.33	11	11	10
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.57	2.80	24	23	10
GHATGHAR		0.63	0.71	125	0	0
		2.45	12.49			159
PENCH (MS)						
Pench (MS)		0.29	0.54	50	0	0
		0.29	0.54			0
Wind						
MalharPeth		0.18	0.69			
Vankuswadi		0.51	1.74			
ATIT		0.09	0.75			
Kale		0.19	0.67			
Satara		0.72	1.33			
Shirala		0.22	0.70			
K Mahankal		0.01	0.38			
Supa		0.24	0.49			
Vita		0.73	2.93			
Dondaicha		4.71	19.20			
Sakri		0.71	2.96			
Nandurbar		0.57	2.31			
Khadakale		0.52	1.92			
Khaparale		0.48	1.45			
		9.87	37.52			
CPP						
TOTAL CPP		4.06	21.12			
		4.06	21.12			
Dabhol						
RGPPL		29.89	175.62	1538	561	1530
		29.89	175.62			1530
Tata						
Trombay 4		1.44	3.42	66	56	150
Trombay 5		9.96	47.93	415	415	415
Trombay 6		10.59	55.66	510	210	500
Trombay 7A		2.82	13.95	119	116	120
Trombay 7B		1.58	7.85	67	65	60
Trombay 8		6.03	30.14	255	250	250
TATA Hydro		3.65	12.78	340	0	447
		36.07	171.74			1942
REL						
1&2		12.40	62.34	521	490	500
		12.40	62.34			500
Cent Sect						
Share						3186
						3186
MS PG CL	Thermal	94.97	457.09			3640
	Thml+Gas	111.59	540.27			4320
	Hydro	20.46	78.69			1329
	Total	132.05	618.96			5649
State Total		224.62	1087.85			12807

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/May/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	4031	1061	706	5798	1534	392	164	2958	3397	-419	-333	11000	1703	12703	2208	14911	49.71
2	4018	522	710	5250	1534	359	165	2817	3440	-282	-189	10583	2207	12790	2114	14904	49.83
3	3997	448	708	5153	1531	393	170	2772	3653	-237	-141	10783	1949	12732	1957	14689	49.78
4	4014	163	718	4895	1536	364	172	2774	3818	-237	-140	10645	1796	12441	1867	14308	50.00
5	4022	816	708	5546	1529	348	172	2775	3201	-237	-138	10658	1836	12494	1789	14283	49.81
6	3999	918	710	5627	1533	402	174	2778	3294	-237	-153	10877	2072	12949	1805	14754	49.81
7	3935	194	714	4843	1538	381	173	2865	3012	-268	-163	9784	3237	13021	1798	14819	49.99
8	3981	138	712	4831	1536	256	172	2865	2962	-268	-178	9579	3492	13071	1866	14937	50.04
9	3948	98	706	4752	1523	306	173	3003	3641	-403	-323	10072	3734	13806	2163	15969	49.96
10	3957	174	698	4829	1522	241	166	3195	4274	-535	-464	10568	3790	14358	2524	16882	50.01
11	3929	344	688	4961	1514	240	168	3358	4223	-654	-556	10550	3733	14283	2811	17094	49.86
12	3926	477	684	5087	1513	261	165	3473	4523	-749	-662	10887	3647	14534	2933	17467	49.94
13	3889	1014	676	5579	1508	335	170	3623	5031	-867	-772	11851	3509	15360	2948	18308	49.85
14	3899	1405	673	5977	1500	230	169	3639	4675	-867	-764	11787	3311	15098	2896	17994	49.68
15	3774	1082	676	5532	1502	298	170	3628	4911	-867	-762	11651	3489	15140	2953	18093	49.78
16	3701	877	677	5255	1406	358	169	3535	4802	-820	-723	11267	3862	15129	2982	18111	49.76
17	3829	1118	685	5632	758	505	169	3545	5114	-839	-742	11436	3767	15203	2920	18123	49.97
18	4013	1115	687	5815	561	543	172	3481	5167	-772	-673	11585	3713	15298	2828	18126	49.93
19	4039	706	694	5439	570	670	172	3180	4562	-499	-393	11030	4130	15160	2628	17788	49.99
20	4048	1529	689	6266	572	666	168	3313	4038	-499	-397	11337	4327	15664	2680	18344	49.70
21	4035	1971	688	6694	626	597	172	3316	3786	-499	-379	11520	3833	15353	2603	17956	49.64
22	4023	2026	693	6742	779	576	166	3318	4110	-499	-379	12029	3529	15558	2483	18041	49.69
23	3981	1225	690	5896	877	591	165	3304	4481	-499	-382	11678	3038	14716	2427	17143	49.56
24	3984	1043	625	5652	887	554	161	3224	4031	-429	-308	11026	2990	14016	2401	16417	49.66
MUs	94.97	20.46	16.62	132.05	29.89	9.87	4.06	76.74	98.15	-12.48	-10.11	264.18	76.69	340.88	58.58	399.46	49.83

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 05/May/2010

Position as on 6.30 Hrs of 06/May/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)	30/12/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	16/06/2010
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul.	07/05/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	30/05/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	15/06/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	30/05/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Cent_Sect NTPC (V-1)	210	25/04/2010	23.30		Continued.	Annual O/H.	20/05/2010
Chandrapur Unit 4	210	28/04/2010	22.53		Continued.	Water Balancing problem	15/06/2010
Uran Unit 5	108	05/05/2010	23.35		Continued.	Filter replacement and internal inspection.	06/05/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Koradi Unit 4	115	01/05/2010	00.23		Continued.	Commutator problem.	09/05/2010
Cent_Sect TARAPUR-3	540	02/05/2010	20:55		Continued.	Cooling water pump problem.	08/05/2010
Parli Unit 3	210	05/05/2010	05.50	05/05/2010	16.10	HPT Tranfer pipe drain leakage.	
Paras Unit 4	250	05/05/2010	14.12	05/05/2010	17.14	Drum level low.	
Dabhol 3A	230	05/05/2010	15.40		Continued.	Electrical fault.	06/05/2010
Dabhol 3B	230	05/05/2010	15.40		Continued.	Electrical fault.	06/05/2010
Dabhol 3X	290	05/05/2010	15.40		Continued.	Electrical fault.	06/05/2010
Dabhol 2A	230	05/05/2010	16.26	05/05/2010	19.28	Gas scrubber level high.	
Dabhol 2X	290	05/05/2010	16.34	05/05/2010	20.25	Hand tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/May/2010

Position as on 6.30 Hrs of 06/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule-Sar'Sarovar - II	03/05/2010	09.53	05/05/2010	11.37	To attend CVT Oil Leakage.at SSP
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Wardha - Akola - II	29/04/2010	11.37		Continued.	Due to line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	03/05/2010	22.04	05/05/2010	17.41	Dist.Protection Z-1.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
B Bus at Telangade	03/05/2010	11.33	05/05/2010	16.30	For new erection work,of 400 KV Solapur 1 and 2 Bays.
Karad-Newkoyna 1	05/05/2010	05.50	05/05/2010	11.43	to attende Y Ph.CT leakage.
400/220 KV, 315 MVA ICT II JEJURI	05/05/2010	09.00		Continued.	Own breaker problem.Taken on tie breaker.
400/220 Kv ICT 2 at Nagothane	05/05/2010	09.33	05/05/2010	20.36	PRV replacement.
400/220kv 315MVA ICT-II at Kolhapur	05/05/2010	13.06	05/05/2010	16.24	Alignment and servicing of B bay isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
220/22 KV, 50 MVA T/F-II @ Kalwa	29/04/2010	22.36		Continued.	Replacement of T/F
Lonikand-Theur CKT. II	04/05/2010	11.15		Continued.	Own breaker overhauling work.(line taken on TBC).
Pusad -Parbhani	05/05/2010	08.06	05/05/2010	16.49	Replacement of E/W.
Phursingi-Theur-II	05/05/2010	08.34	05/05/2010	13.45	Replacement of DTN string
Khaparkheda-Kawlewada-I	05/05/2010	08.46	05/05/2010	13.26	Q.M.Work
Nagothane-IPCL	05/05/2010	09.01	05/05/2010	14.50	Hot spot and bay maintenance.
Gadchandur-Virur-I	05/05/2010	09.18	05/05/2010	17.50	Q.M.Work
Bus Coupler at Khadka	05/05/2010	09.27	05/05/2010	15.13	Taking new O/C relay in service.
M.B._I at 400KV A'bad	05/05/2010	11.37	05/05/2010	18.15	Connecting extended bus to existing bus-I
Kalwa - Salshet - IV	05/05/2010	12.35	05/05/2010	14.00	To attend hot spot.
Trombay-Kalwa	05/05/2010	14.30	05/05/2010	17.59	Taken on TBC.CRM of own breaker.
220/132 Kv,200 MVA ICT. I at Bale	05/05/2010	17.45	05/05/2010	18.52	OLTC oil leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
Dabhol-New Koyna-I	03/05/2010	18:19	06/05/2010	07:24	Taken on TBC. Heavy sparking on Aux. Bus isolator B-Phase.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora - II.	24/04/2010	11.30		Continued.	To Control C'pur ICT-I Loading.
Chandrapur-Warora - I	04/05/2010	00.39	06/05/2010	07:50	To reduce voltage at 220KV Bus.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/May/2010

Position as on 6.30 Hrs of 06/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Buldhana-Motala	07/04/2010	10.00		Continued.	To control load ICT-I at 220KV Chikhali
Mehkar - Malegaon	07/04/2010	17.26		Continued.	Outage of ICT-II at Chikhali
Chikhali - Khamgaon	18/04/2010	17.35		Continued.	To Control Chikali ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,315 MVA ICT-II at Chandrapur	24/04/2010	04.26		Continued.	Tripped Due to Y Ph L V Side Bushing Burst.
400/11.5/6.6 KV 70 MVA Stn.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.
Voltage Level : 220KV			Outage Type TRIPPED		
220/22KV,50MVA T/F-2 at K'gaon	04/05/2010	10.50	05/05/2010	21.10	Bus Bar Protection Operated, LV side B-Phase CT Burst.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph CT Burst.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Pachora-Chalishaon Ckt.II.	05/05/2010	13.36	05/05/2010	14.10	Distance Protection
220/132KV 100MVA ICT-II at 220 KV C'gaon S/Stn.	05/05/2010	13.36	05/05/2010	13.56	Differential protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	80
Unit 4	105	0
Unit 5	200	70
Unit 6	210	110
Unit 7	210	160
	1040	565
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	170
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	824
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	180
Paras		
Unit 2	55	46
Unit 3	250	230
Unit 4	250	
	555	276
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	200
Unit 4	210	210
Unit 5	210	210
	870	805
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	540

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	540
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	180
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	900
	960	900
Tata		
Trombay 4	150	150
Trombay 5	500	415
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1942
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3396
	3143	3396