



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/May/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.361	184.482	1) Madhya Pradesh	60.927	118.590
2) Hydro	10.235	20.694	2) Gujrat	26.431	43.115
3) Gas	16.677	33.352	3) Goa	-5.280	-10.766
Total MSGENCO	117.273	238.528	4) TAPS 1&2 (Inj.)	7.152	14.318
B) OTHERS			5) Pench (Excess)	-0.096	-0.096
1) RGPPL Gas	37.684	74.610	# Total Cent. Sector	89.134	165.161
2) Wind Generation	7.710	12.619	F) Other Exchanges		
3) CPP	4.392	9.948	1) With TPCL (Excess)	-4.788	-7.674
4) PENCH (MS)	0.096	0.096	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	3.283	5.751
1) TPCL Thermal	29.703	62.244	Include PX	0.814	0.814
2) TPCL Hydro	1.370	4.189	2) MUMBAI Bilateral	5.711	8.997
TOTAL TPCL	31.073	66.433	Include PX	-0.679	-3.218
3) REL Thermal	12.508	24.969	3) MUMBAI Schedule	5.711	8.997
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	132.572	271.695	1) MSEDCL	251.501	493.288
2) Hydro (A2+B3+C2)	11.701	24.979	2) TPCL	30.254	62.287
3) Gas (A3+B1)	54.361	107.962	3) REL	18.117	36.786
4) Wind (B2)	7.710	12.619	TOTAL STATE	299.872	592.361
5) CPP (B3)	4.392	9.948			
TOTAL STATE	210.736	427.203			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3750	3741	3762
MSGENCO Hydro	187	369	113
MSGENCO Gas	689	689	708
MSGENCO Total Generation	4626	4799	4583
Central Sector Receipt	4484	3818	3157
RGPPL	1551	1569	1590
WIND	125	546	403
CPP	173	151	212
Exchange with TPCL	-173	-315	-94
MSEDCL DEMAND MET	10786	10568	9851
Load Shedding	3979	4238	1919
MSEDCL DEMAND (INCL. LS)	14765	14806	11770
TPCL GENERATION	1243	1334	1334
REL GENERATION	520	522	521
TPCL+REL DEMAND	1936	2171	1949
STATE DEMAND MET	12722	12739	11800
STATE DEMAND (INCL. LS)	16701	16977	13719
Frequency (Hz)	49.66	49.80	49.64
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5846 MW AT 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			106.71 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.59 Hz at 18.03 Hrs	49.11 Hz at 23.18 Hrs	49.73	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 02/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.79	3.64	83	70	80
Unit 2	1.73	3.48	78	66	75
Unit 3	1.83	3.66	84	68	80
Unit 4	0.00	0.01	0	0	0
Unit 5	3.11	6.62	160	116	140
Unit 6	3.04	6.72	150	100	150
Unit 7	3.46	7.18	159	131	160
	14.96	31.31			685
Bhusawal					
Unit 1	1.10	2.23	50	34	50
Unit 2	4.42	8.82	191	172	195
Unit 3	0.00	0.00	0	0	0
	5.52	11.05			245
Parli					
Unit 1	0.54	1.05	25	19	22
Unit 2	0.52	1.04	24	20	22
Unit 3	4.05	7.91	186	155	180
Unit 4	3.95	7.64	182	138	170
Unit 5	3.46	6.71	163	123	150
Unit 6	6.00	11.96	255	235	250
Unit 7	4.35	10.16	241	140	
	22.87	46.47			794
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.14	8.29	197	142	190
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
	4.14	8.29			190
Paras					
Unit 2	1.04	2.07	45	42	46
Unit 3	0.00	1.96	0	0	0
Unit 4	5.01	9.78	238	194	
	6.05	13.82			46
Khaparkheda					
Unit 1	4.96	9.96	214	188	210
Unit 2	4.39	8.76	191	178	180
Unit 3	4.62	9.22	197	190	190
Unit 4	4.46	8.65	197	164	190
	18.42	36.60			770
Nasik					
Unit 1	2.16	4.43	98	76	95
Unit 2	2.00	4.11	95	73	90
Unit 3	4.82	9.54	209	194	200
Unit 4	4.79	9.49	208	190	210
Unit 5	4.64	9.37	208	162	210
	18.41	36.94			805
Koyna					
Stage 1-2	2.31	4.74	495	30	530
Stage 4	4.47	8.16	948	0	250
Stage 3	0.87	3.09	160	0	320
	7.65	15.99			1100
Kovna 12&4 Total	6.78	12.90			780

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.68	33.35	724	673	700
		16.68	33.35			700
Hydro						
KDPH		0.45	0.90	19	18	19
VTRNA		0.45	0.75	61	0	61
TILLARI		0.25	0.58	60	0	59
BHTGR/VEER		0.50	0.61	21	21	7
BHIRA T.R.		0.12	0.29	51	0	75
RNGR+BHTSA		0.26	0.53	11	11	5
BHANDARDRA		0.00	0.00	0	0	0
ELDARY			0.00	0	0	0
SMLHY PTN		0.55	1.04	23	23	5
GHATGHAR		0.00	0.00	0	0	0
		2.58	4.70			231
PENCH (MS)						
Pench (MS)		0.10	0.10	25	0	
		0.10	0.10			
Wind						
MalharPeth		0.17	0.26			
Vankuswadi		0.31	0.62			
ATIT		0.11	0.15			
Kale		0.18	0.30			
Satara		0.22	0.32			
Shirala		0.11	0.21			
K Mahankal		0.07	0.30			
Supa		0.08	0.16			
Vita		0.82	1.23			
Dondaicha		3.99	6.28			
Sakri		0.62	1.00			
Nandurbar		0.49	0.79			
Khadakale		0.21	0.43			
Khaparale		0.33	0.56			
		7.71	12.62			
CPP						
TOTAL CPP		4.39	9.95			
		4.39	9.95			
Dabhol						
RGPPL		37.68	74.61	1593	1542	1550
		37.68	74.61			1550
Tata						
Trombay 4		0.05	0.05	17	0	0
Trombay 5		8.16	18.12	415	250	400
Trombay 6		11.10	23.28	510	340	500
Trombay 7A		2.81	5.61	122	109	120
Trombay 7B		1.58	3.16	67	64	60
Trombay 8		6.01	12.03	255	250	250
TATA Hydro		1.37	4.19	202	0	447
		31.07	66.43			1777
REL						
1&2		12.51	24.97	524	518	500
		12.51	24.97			500
Cent Sect						
Share						3009
						3009
MS PG CL	Thermal	90.36	184.48			3535
	Thml+Gas	107.04	217.83			4235
	Hydro	10.24	20.69			1331
	Total	117.27	238.53			5566
State Total		210.74	427.20			12402

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	3794	208	704	4706	1585	192	211	2844	3499	-435	-369	9847	1666	11513	2239	13752	49.53
2	3725	153	706	4584	1589	315	212	2678	3125	-274	-209	9639	2155	11794	2082	13876	49.56
3	3762	113	708	4583	1590	403	212	2560	3157	-158	-94	9851	1919	11770	1949	13719	49.64
4	3811	118	716	4645	1593	414	213	2543	3275	-139	-69	10071	1781	11852	1903	13755	49.91
5	3851	108	717	4676	1589	409	214	2547	3431	-136	-64	10255	1813	12068	1835	13903	49.83
6	3860	113	718	4691	1588	441	214	2477	3521	-69	-6	10449	2391	12840	1779	14619	49.78
7	3867	113	724	4704	1592	381	214	2479	2968	11	49	9908	3548	13456	1758	15214	50.17
8	3882	114	721	4717	1590	362	214	2447	2913	45	85	9881	3808	13689	1701	15390	50.01
9	3814	104	706	4624	1574	421	214	2629	3461	-124	-69	10225	4027	14252	1803	16055	49.81
10	3713	169	707	4589	1567	213	216	2742	4019	-124	-109	10495	4013	14508	1819	16327	49.94
11	3750	187	689	4626	1551	125	173	2907	4484	-212	-173	10786	3979	14765	1936	16701	49.66
12	3731	542	675	4948	1542	118	151	2979	4434	-289	-235	10958	3715	14673	2000	16673	49.49
13	3764	1053	678	5495	1544	95	150	2923	4290	-226	-203	11371	3550	14921	1994	16915	49.52
14	3758	1202	680	5640	1547	86	152	2972	4389	-281	-251	11563	3313	14876	2012	16888	49.47
15	3729	1211	686	5626	1555	176	161	2926	4096	-281	-234	11380	3529	14909	2090	16999	49.65
16	3736	824	677	5237	1553	127	168	2936	3891	-281	-262	10714	3939	14653	2095	16748	49.53
17	3729	432	673	4834	1563	159	173	2820	4143	-281	-241	10631	3868	14499	2040	16539	49.94
18	3751	153	677	4581	1568	328	170	2919	4431	-281	-241	10837	3681	14518	2014	16532	50.07
19	3771	240	691	4702	1571	517	161	2823	3556	-364	-317	10190	4031	14221	2073	16294	50.05
20	3741	369	689	4799	1569	546	151	2884	3818	-364	-315	10568	4238	14806	2171	16977	49.80
21	3744	397	693	4834	1569	468	153	3008	4000	-364	-369	10655	3757	14412	2228	16640	49.65
22	3738	591	678	5007	1567	519	150	3009	3766	-364	-367	10643	3444	14087	2271	16358	49.56
23	3679	727	673	5079	1565	495	156	3011	3585	-364	-365	10539	3035	13574	2279	15853	49.55
24	3661	994	691	5346	1563	400	189	2853	2882	-355	-360	10045	2992	13037	2298	15335	49.49
MUs	90.36	10.24	16.68	117.27	37.68	7.71	4.39	66.92	89.13	-5.71	-4.79	251.50	78.19	329.69	48.37	378.06	49.73

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 02/May/2010

Position as on 6.30 Hrs of 03/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	03/05/2010
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.	03/05/2010
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
Koyna Unit 2	75	01/05/2010	06.00	02/05/2010	11:35	Inspection & Excavation of Civil Work @ Pophali.	
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	
Tata Trombay 4	150	01/12/2009	19:16	02/05/2010	20:18	W/Dn.	
Bhusawal Unit 3	210	30/04/2010	17.50		Continued.	Boiler Tube Leakage.	04/05/2010
Koradi Unit 4	115	01/05/2010	00.23		Continued.	Commutator problem.	04/05/2010
Paras Unit 3	250	01/05/2010	18.24		Continued.	Flame Failure.	
Cent_Sect NTPC(K-4)	500	02/05/2010	00:04	03/05/2010	01.24	Boiler Tube Leakage.	
Cent_Sect TARAPUR-3	540	02/05/2010	20:55		Continued.	Cooling water pump problem.	05/05/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/May/2010

Position as on 6.30 Hrs of 03/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	27/04/2010	12.18		Continued.	Work at SSP end.
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.
IntraState					
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 to be replaced with new 200MVA ICT
220 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
220/7KV 40 MVA Stn T/F-II at C'PUR	28/04/2010	10.49		Continued.	Oil Filtration work (4 Days)
220/22 KV, 50 MVA T/F-II @ Kalwa	29/04/2010	22.36		Continued.	Replacement of T/F
ABAD-BBLSWR	30/04/2010	06.08	02/05/2010	14:27	Line Maintanance Work.
Kalwa - Ghatghar	30/04/2010	10.30	02/05/2010	21:27	Conductor Replacement.
Trombay - Tata Tie - II	02/05/2010	09:10	02/05/2010	19:00	Testing work at Tata end.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
Karad-Kolhapur CKT I	03/05/2010	00:18		Continued.	H/T for over voltage.
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	24/04/2010	11.37	02/05/2010	11:10	To reduce the Voltage at 220 KV Bus.
Chandrapur-Warora - I	02/05/2010	17:46	03/05/2010	6:51	To reduce voltage at 220KV Bus.
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 Chikhali 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.
400/220KV,315MVA ICT-I at Karad	02/05/2010	15:37	02/05/2010	16:42	Due to heavy rain trip.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Sada Waghapur	01/05/2010	20.00	02/05/2010	12:55	Tripped @ Karad End,Relay Pannel Sparking at TB.
220 KV NEW PARLY-BEED CKT	02/05/2010	20:18	02/05/2010	21:58	D/P Zone I Operated.
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/May/2010

Position as on 6.30 Hrs of 03/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Harangul-Ujani Ckt.-I	02/05/2010	21:55	02/05/2010	22:50	Y ph LA burst at Ujani.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	40
Unit 3	105	70
Unit 4	105	0
Unit 5	200	120
Unit 6	210	120
Unit 7	210	120
	1040	550
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	0
	478	245
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	170
Unit 5	210	150
Unit 6	250	250
Unit 7	250	
	1190	794
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	190
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	190
Paras		
Unit 2	55	46
Unit 3	250	0
Unit 4	250	
	555	46
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	870	780
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	720

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	720
Hydro		
KDPH	40	19
VTRNA	60	61
TILLARI	60	59
BHTGR/VEER	21	6
BHIRA T.R.	80	75
RNGR+BHTSA	20	5
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	235
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	1550
	960	1550
Tata		
Trombay 4	150	20
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	1797
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3060
	3143	3060

	17376	7 of 7	12407
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