



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/May/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.825	2101.552	1) Madhya Pradesh	78.885	1566.377
2) Hydro	4.737	570.825	2) Gujrat	21.199	522.129
3) Gas	16.735	373.929	3) Goa	-5.933	-148.466
Total MSGENCO	109.297	3046.306	4) TAPS 1&2 (Inj.)	7.223	165.488
B) OTHERS			5) Pench (Excess)	-0.208	-7.114
1) RGPPL Gas	33.849	760.725	# Total Cent. Sector	101.166	2098.414
2) Wind Generation	20.047	257.623	F) Other Exchanges		
3) CPP	4.066	95.841	1) With TPCL (Excess)	-5.445	-189.849
4) PENCH (MS)	0.208	7.296	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.732	189.952
1) TPCL Thermal	30.157	746.280	Include PX	5.379	78.815
2) TPCL Hydro	1.144	74.078	2) MUMBAI Bilateral	6.399	208.584
TOTAL TPCL	31.301	820.358	Include PX	0.880	22.763
3) REL Thermal	12.271	286.685	3) MUMBAI Schedule	6.399	208.584
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	130.253	3134.517	1) MSEDCL	263.188	6076.356
2) Hydro (A2+B3+C2)	6.089	652.199	2) TPCL	30.660	825.646
3) Gas (A3+B1)	50.584	1134.654	3) REL	18.358	471.247
4) Wind (B2)	20.047	257.623	TOTAL STATE	312.206	7373.249
5) CPP (B3)	4.066	95.841			
TOTAL STATE	211.039	5274.834			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	3718	3607	3519
MSGENCO Hydro	123	330	194
MSGENCO Gas	716	740	691
MSGENCO Total Generation	4557	4677	4404
Central Sector Receipt	4400	4097	3919
RGPPL	1552	1262	1568
WIND	759	943	1047
CPP	170	171	171
Exchange with TPCL	-253	-337	-260
MSEDCL DEMAND MET	11185	10822	10873
Load Shedding	3676	4215	1763
MSEDCL DEMAND (INCL. LS)	14861	15037	12636
TPCL GENERATION	1228	1294	1541
REL GENERATION	516	519	509
TPCL+REL DEMAND	1997	2150	2310
STATE DEMAND MET	13182	12972	13183
STATE DEMAND (INCL. LS)	16858	17187	14946
Frequency (Hz)	49.93	49.88	49.66
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5442 MW At 16.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			109.08 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.63 Hz at 18.03 Hrs	49.46 Hz at 23.05 Hrs	49.9	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 23/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.79	38.38	81	61	75
Unit 2	0.17	34.54	63	0	0
Unit 3	0.00	33.84	0	0	0
Unit 4	1.71	7.06	82	55	75
Unit 5	3.44	56.41	156	132	140
Unit 6	3.47	63.33	153	129	130
Unit 7	3.42	74.33	158	120	135
	13.99	307.87			555
Bhusawal					
Unit 1	0.99	23.22	50	35	50
Unit 2	3.83	97.38	185	146	150
Unit 3	4.04	81.96	180	160	170
	8.85	202.55			370
Parli					
Unit 1	0.49	11.91	25	0	22
Unit 2	0.56	12.60	24	23	22
Unit 3	4.34	89.25	189	169	190
Unit 4	3.35	89.16	186	0	180
Unit 5	3.63	84.89	166	135	150
Unit 6	6.02	135.59	252	249	250
Unit 7	5.69	102.24	251	214	0
	24.07	525.64			814
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.28	97.11	182	172	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
	4.28	97.11			180
Paras					
Unit 2	0.54	17.53	24	20	24
Unit 3	3.30	95.42	146	124	140
Unit 4	0.00	74.24	0	0	0
	3.84	187.20			164
Khaparkheda					
Unit 1	4.24	100.90	203	157	180
Unit 2	4.09	91.92	183	152	180
Unit 3	4.30	97.39	194	166	190
Unit 4	3.94	87.95	186	0	190
	16.56	378.16			740
Nasik					
Unit 1	0.81	42.28	100	0	95
Unit 2	2.13	48.22	97	76	90
Unit 3	4.42	106.24	197	174	200
Unit 4	4.42	102.09	190	178	190
Unit 5	4.45	104.19	194	171	200
	16.22	403.02			775
Koyna					
Stage 1-2	1.13	122.22	115	30	600
Stage 4	0.16	289.80	92	0	250
Stage 3	0.75	88.76	268	0	320
	2.04	500.78			1170
Kovna 12&4 Total	1.29	412.02			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.74	373.93	740	679	680	
	16.74	373.93			680	
Hydro						
KDPH	0.39	8.42	17	16	17	
VTRNA	0.56	8.07	61	0	60	
TILLARI	0.00	6.28	0	0	58	
BHTGR/VEER	0.12	8.94	5	5	5	
BHIRA T.R.	0.08	3.24	40	0	80	
RNGR+BHTSA	0.31	6.12	14	13	11	
BHANDARDRA	0.62	11.53	26	24	20	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.61	13.19	37	23	20	
GHATGHAR	0.00	4.26	0	0	0	
	2.69	70.05			271	
PENCH (MS)						
Pench (MS)	0.21	7.30	47	0		
	0.21	7.30				
Wind						
MalharPeth	0.57	7.05				
Vankuswadi	1.26	15.00				
ATIT	0.21	6.16				
Kale	0.58	7.31				
Satara	0.41	10.49				
Shirala	0.52	6.88				
K Mahankal	1.47	5.97				
Supa	0.27	4.55				
Vita	2.42	24.86				
Dondaicha	7.80	109.18				
Sakri	1.32	16.70				
Nandurbar	1.11	14.58				
Khadakale	1.07	16.60				
Khaparale	1.04	12.29				
	20.05	257.62				
CPP						
TOTAL CPP	4.07	95.84				
	4.07	95.84				
Dabhol						
RGPPL	33.85	760.72	1575	1258	1520	
	33.85	760.72			1520	
Tata						
Trombay 4	2.62	46.82	112	107	100	
Trombay 5	9.91	227.00	415	365	415	
Trombay 6	7.52	237.67	510	170	500	
Trombay 7A	2.84	64.28	121	117	120	
Trombay 7B	1.58	35.98	67	65	60	
Trombay 8	5.68	134.52	252	148	250	
TATA Hydro	1.14	74.08	176	0	447	
	31.30	820.36			1892	
REL						
1&2	12.27	286.68	522	492	500	
	12.27	286.68			500	
Cent Sect						
Share					3497	
					3497	
MS PG CL	Thermal	87.82	2101.55		3598	
	Thml+Gas	104.56	2475.48		4278	
	Hydro	4.74	570.82		1441	
	Total	109.30	3046.31		5719	
State Total		211.04	5274.83		13128	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	3519	194	691	4404	1568	1047	171	3313	3919	-287	-260	10873	1763	12636	2310	14946	49.66
2	3559	123	697	4379	1575	1040	170	3219	3811	-198	-155	10829	2288	13117	2154	15271	49.87
3	3637	133	693	4463	1442	1035	171	3124	4037	-106	-65	11083	2193	13276	2036	15312	49.64
4	3685	128	697	4510	1457	966	170	3124	4114	-106	-67	11150	2021	13171	1981	15152	49.84
5	3683	123	699	4505	1442	916	170	3125	4311	-106	-59	11285	2053	13338	1903	15241	49.88
6	3765	290	696	4751	1437	814	171	3125	4091	-106	-69	11195	2580	13775	1880	15655	49.66
7	3792	128	703	4623	1447	785	170	3244	3609	-135	-93	10541	3708	14249	1826	16075	49.92
8	3852	153	702	4707	1438	750	170	3242	3548	-135	-95	10518	3984	14502	1778	16280	50.08
9	3826	199	700	4725	1436	692	170	3380	3588	-269	-242	10369	4155	14524	1835	16359	50.09
10	3751	199	698	4648	1540	800	171	3402	3696	-285	-259	10596	4180	14776	1906	16682	50.10
11	3738	190	691	4619	1550	656	169	3400	3866	-285	-249	10611	4004	14615	1943	16558	49.93
12	3718	123	716	4557	1552	759	170	3397	4400	-285	-253	11185	3676	14861	1997	16858	49.93
13	3672	153	683	4508	1554	781	170	3395	4590	-285	-238	11365	3554	14919	2014	16933	49.83
14	3683	123	680	4486	1552	749	168	3393	4896	-285	-236	11615	3321	14936	2029	16965	49.80
15	3661	128	679	4468	1468	563	159	3431	4622	-335	-286	10994	3561	14555	2074	16629	49.78
16	3663	123	685	4471	1261	675	162	3431	4525	-335	-282	10812	4035	14847	2122	16969	49.97
17	3672	128	692	4492	1262	731	169	3388	4511	-309	-259	10906	3980	14886	2075	16961	50.12
18	3690	184	698	4572	1264	844	171	3390	4062	-309	-257	10656	3821	14477	2028	16505	50.22
19	3686	188	703	4577	1267	976	172	3229	3716	-252	-206	10502	4094	14596	1959	16555	50.23
20	3607	330	740	4677	1262	943	171	3467	4097	-399	-337	10822	4215	15037	2150	17187	49.88
21	3530	500	698	4728	1262	963	170	3503	4276	-399	-355	11069	3684	14753	2188	16941	49.86
22	3496	431	701	4628	1264	844	171	3505	5006	-399	-357	11603	3347	14950	2215	17165	49.95
23	3508	213	697	4418	1258	894	171	3471	5154	-399	-382	11560	2997	14557	2273	16830	49.74
24	3432	253	696	4381	1291	823	169	3439	4747	-390	-384	11074	2973	14047	2341	16388	49.70
MUs	87.82	4.74	16.74	109.30	33.85	20.05	4.07	80.14	101.19	-6.40	-5.44	263.21	80.19	343.40	49.02	392.42	49.90

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 23/May/2010

Position as on 6.30 Hrs of 24/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
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
Chandrapur Unit 4	210	28/04/2010	22.53		Continued.	Water Balancing problem	15/06/2010
Cent_Sect NTPC(V-4)	210	19/05/2010	17:09		Continued.	Annual O/H .	09/06/2010
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	
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Boiler Tube Leakage.	24/05/2010
Paras Unit 4	250	19/05/2010	04.50		Continued.	Water valve leakage.	24/05/2010
Koradi Unit 3	105	20/05/2010	13:55		Continued.	Vibration problem.	24/05/2010
Khaparkheda Unit 4	210	22/05/2010	23.37	23/05/2010	01.29	Low Vaccum Pressure.	
Koradi Unit 2	105	23/05/2010	03.00		Continued.	Boiler Tube Leakage.	26/05/2010
Nasik Unit 1	125	23/05/2010	09:00		Continued.	Boiler tube leakage.	26/05/2010
Dabhol 1B	230	23/05/2010	14:40	23/05/2010	22:59	Tripped on fire protection.	
Parli Unit 4	210	23/05/2010	19:38	24/05/2010	00.01	Tripped on Low vaccum.	
Parli Unit 1	30	23/05/2010	21:54		Continued.	W/DN due to main Steam line leakage.	26/05/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/May/2010

Position as on 6.30 Hrs of 24/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudsungi-Amona	17/05/2010	13.33	23/05/2010	19:05	Erection of 220 KV multi ckt tower.
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.
Dhule-S'Sarovar I	15/05/2010	23.44		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudsungi-Amona	23/05/2010	20:02		Continued.	Tripped, distance protection, Y-Ph to earth.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of line reactor of Lonikand -I at Parli.
N.Koyna-jaigad-I	21/05/2010	12.28		Continued.	Maintenance Work.
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
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Karad-Mudsingi-IV	23/05/2010	08:58	23/05/2010	19:50	Insulator replacement.
220/100kv,125MVA ICT-II at Borivali	23/05/2010	09:12	23/05/2010	19:57	Attending Hot spots,Tan-Delta measurement of CTs.
Trombay - Tata Tie - II	23/05/2010	09:55	23/05/2010	17:01	Cold line washing of insulators at loc. No.1
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	22/05/2010	18.38		Continued.	To Control Over Voltage.
C'pur-Parli CKT .I	23/05/2010	17:04	23/05/2010	22:05	H/T due to main Breaker problem @ Chandrapur end,Ckt charged on TBC.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE I -CHDPR	23/05/2010	12:38	23/05/2010	15:37	Converter T/F Y-Ph TAP changer high oil flow.
Voltage Level : 400KV			Outage Type TRIPPED		
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.
Kalwa - Lonikand	23/05/2010	05.52	23/05/2010	07:42	Distenance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Suzlon - I	23/05/2010	13:00	23/05/2010	13:25	Distance protection.
Dondaicha - Suzlon - I	23/05/2010	14:10	23/05/2010	17:40	Distance protection.
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.
Kardha-Sakoli	07/05/2010	17.40		Continued.	Y phase Breaker Pole Burst at Kardha

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	0
Unit 3	105	0
Unit 4	105	60
Unit 5	200	100
Unit 6	210	100
Unit 7	210	120
	1040	455
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	190
	478	435
Parli		
Unit 1	30	0
Unit 2	30	22
Unit 3	210	170
Unit 4	210	180
Unit 5	210	120
Unit 6	250	250
Unit 7	250	
	1190	742
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	24
Unit 3	250	140
Unit 4	250	
	555	164
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	870	660
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	680

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	680
Hydro		
KDPH	40	17
VTRNA	60	60
TILLARI	60	58
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	9
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	259
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	1520
	960	1520
Tata		
Trombay 4	150	100
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	1892
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3621
	3143	3621

	17376	13048
--	--------------	--------------