



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/May/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.121	94.121	1) Madhya Pradesh	57.663	57.663
2) Hydro	10.459	10.459	2) Gujrat	16.684	16.684
3) Gas	16.675	16.675	3) Goa	-5.486	-5.486
Total MSGENCO	121.255	121.255	4) TAPS 1&2 (Inj.)	7.166	7.166
B) OTHERS			5) Pench (Excess)	0.000	0.000
1) RGPPL Gas	36.926	36.926	# Total Cent. Sector	76.027	76.027
2) Wind Generation	4.909	4.909	F) Other Exchanges		
3) CPP	5.556	5.556	1) With TPCL (Excess)	-2.886	-2.886
4) PENCH (MS)	0.000	0.000	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	2.469	2.469
1) TPCL Thermal	32.541	32.541	Include PX	0.000	0.000
2) TPCL Hydro	2.819	2.819	2) MUMBAI Bilateral	3.286	3.286
TOTAL TPCL	35.360	35.360	Include PX	-2.540	-2.540
3) REL Thermal	12.461	12.461	3) MUMBAI Schedule	3.286	3.286
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	139.123	139.123	1) MSEDCL	241.787	241.787
2) Hydro (A2+B3+C2)	13.278	13.278	2) TPCL	32.033	32.033
3) Gas (A3+B1)	53.601	53.601	3) REL	18.669	18.669
4) Wind (B2)	4.909	4.909	TOTAL STATE	292.489	292.489
5) CPP (B3)	5.556	5.556			
TOTAL STATE	216.467	216.467			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4003	3751	3823
MSGENCO Hydro	230	283	756
MSGENCO Gas	715	698	702
MSGENCO Total Generation	4948	4732	5281
Central Sector Receipt	3194	3362	3380
RGPPL	1536	1544	1541
WIND	90	268	358
CPP	229	233	238
Exchange with TPCL	149	-378	-96
MSEDCL DEMAND MET	10146	9761	10702
Load Shedding	3901	4534	2193
MSEDCL DEMAND (INCL. LS)	14047	14295	12895
TPCL GENERATION	1413	1393	1366
REL GENERATION	522	521	513
TPCL+REL DEMAND	1786	2292	1975
STATE DEMAND MET	11932	12053	12677
STATE DEMAND (INCL. LS)	15833	16587	14870
Frequency (Hz)	49.92	49.82	49.43
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4959 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			98.32 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.47 Hz at 17:49 Hrs	48.99 Hz at 14:38 Hrs	49.65	.05 % 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 01/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.85	1.85	81	72	80
Unit 2	1.75	1.75	77	68	75
Unit 3	1.83	1.83	82	62	80
Unit 4	0.01	0.01	12	0	0
Unit 5	3.51	3.51	180	116	140
Unit 6	3.67	3.67	188	124	130
Unit 7	3.72	3.72	182	130	140
	16.35	16.35			645
Bhusawal					
Unit 1	1.13	1.13	50	43	50
Unit 2	4.40	4.40	191	170	180
Unit 3	0.00	0.00	0	0	0
	5.53	5.53			230
Parli					
Unit 1	0.52	0.52	25	18	22
Unit 2	0.52	0.52	24	18	22
Unit 3	3.86	3.86	180	140	180
Unit 4	3.69	3.69	176	130	170
Unit 5	3.25	3.25	155	126	150
Unit 6	5.96	5.96	255	234	250
Unit 7	5.80	5.80	254	234	0
	23.60	23.60			794
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.15	4.15	190	137	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
	4.15	4.15			190
Paras					
Unit 2	1.04	1.04	46	39	46
Unit 3	1.96	1.96	226	0	0
Unit 4	4.77	4.77	240	140	0
	7.77	7.77			46
Khaparkheda					
Unit 1	5.00	5.00	214	199	210
Unit 2	4.38	4.38	187	177	180
Unit 3	4.61	4.61	195	182	190
Unit 4	4.19	4.19	188	161	190
	18.18	18.18			770
Nasik					
Unit 1	2.27	2.27	98	90	95
Unit 2	2.12	2.12	96	70	90
Unit 3	4.73	4.73	202	178	200
Unit 4	4.70	4.70	203	190	210
Unit 5	4.72	4.72	205	188	210
	18.54	18.54			805
Koyna					
Stage 1-2	2.44	2.44	525	0	600
Stage 4	3.69	3.69	821	0	250
Stage 3	2.21	2.21	318	0	320
	8.34	8.34			1170
Kovna 12&4 Total	6.13	6.13			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.68	16.68	715	670	660	
	16.68	16.68			660	
Hydro						
KDPH	0.45	0.45	19	18	18	
VTRNA	0.30	0.30	61	0	0	
TILLARI	0.33	0.33	59	0	60	
BHTGR/VEER	0.10	0.10	5	4	0	
BHIRA T.R.	0.17	0.17	75	0	80	
RNGR+BHTSA	0.26	0.26	12	11	0	
BHANDARDRA	0.00	0.00	0	0	0	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.49	0.49	28	18	18	
GHATGHAR	0.00	0.00	0	0	0	
	2.12	2.12			176	
PENCH (MS)						
Pench (MS)	0.00	0.00	0	0		
	0.00	0.00				
Wind						
MalharPeth	0.09	0.09				
Vankuswadi	0.30	0.30				
ATIT	0.04	0.04				
Kale	0.13	0.13				
Satara	0.11	0.11				
Shirala	0.10	0.10				
K Mahankal	0.22	0.22				
Supa	0.07	0.07				
Vita	0.41	0.41				
Dondaicha	2.29	2.29				
Sakri	0.39	0.39				
Nandurbar	0.30	0.30				
Khadakale	0.22	0.22				
Khaparale	0.23	0.23				
	4.91	4.91				
CPP						
TOTAL CPP	5.56	5.56				
	5.56	5.56				
Dabhol						
RGPPL	36.93	36.93	1567	1514	1450	
	36.93	36.93			1450	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	9.96	9.96	415	415	400	
Trombay 6	12.18	12.18	510	490	500	
Trombay 7A	2.80	2.80	120	114	120	
Trombay 7B	1.58	1.58	67	65	60	
Trombay 8	6.02	6.02	255	250	250	
TATA Hydro	2.82	2.82	321	0	447	
	35.36	35.36			1777	
REL						
1&2	12.46	12.46	523	507	500	
	12.46	12.46			500	
Cent Sect						
Share					3076	
					3076	
MS PG CL	Thermal	94.12	94.12		3480	
	Thml+Gas	110.80	110.80		4140	
	Hydro	10.46	10.46		1346	
	Total	121.26	121.26		5486	
State Total		216.47	216.47		12289	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	3845	1477	698	6020	1548	197	224	2856	3213	-361	-366	10836	2259	13095	2416	15511	49.48
2	3895	557	699	5151	1547	343	240	2748	3644	-271	-271	10654	2773	13427	2193	15620	49.47
3	3829	487	699	5015	1543	440	246	2741	3399	-226	-197	10446	2534	12980	2078	15058	49.36
4	3823	756	702	5281	1541	358	238	2665	3380	-137	-96	10702	2193	12895	1975	14870	49.43
5	3836	1134	702	5672	1528	374	224	2592	3219	-59	-24	10993	2230	13223	1914	15137	49.43
6	3871	1556	705	6132	1535	310	225	2433	3000	96	141	11343	2599	13942	1921	15863	49.42
7	3898	475	714	5087	1534	115	224	2499	3159	109	151	10270	3685	13955	1842	15797	49.73
8	4003	230	715	4948	1536	90	229	2498	3194	109	149	10146	3901	14047	1786	15833	49.92
9	3957	63	693	4713	1536	109	246	2554	2418	63	90	9112	3893	13005	1828	14833	49.76
10	4023	120	697	4840	1548	93	238	2750	2461	-26	3	9183	3895	13078	1946	15024	49.81
11	3995	163	680	4838	1531	57	237	2787	2660	-33	-35	9288	3821	13109	2073	15182	49.48
12	4054	282	670	5006	1522	54	235	2779	2837	-26	-37	9617	3754	13371	2168	15539	49.38
13	4043	371	672	5086	1522	41	242	2801	3166	-51	-58	9999	3616	13615	2212	15827	49.42
14	4071	642	675	5388	1515	44	227	2798	3101	-51	-60	10215	3363	13578	2182	15760	49.40
15	4056	629	674	5359	1514	65	222	2755	2851	-45	-55	9956	3550	13506	2203	15709	49.38
16	4054	96	680	4830	1529	55	224	2648	2812	-45	-52	9398	4003	13401	2255	15656	49.66
17	4040	54	689	4783	1536	57	229	2673	3045	-67	-73	9577	3993	13570	2188	15758	49.96
18	4016	114	698	4828	1540	165	229	2654	3164	-45	-52	9874	3887	13761	2092	15853	50.24
19	3816	186	700	4702	1551	177	228	2610	2645	-146	-163	9140	4363	13503	2123	15626	50.07
20	3751	283	698	4732	1544	268	233	2922	3362	-393	-378	9761	4534	14295	2292	16587	49.82
21	3815	203	701	4719	1557	475	227	3092	3620	-440	-398	10200	3989	14189	2287	16476	49.83
22	3786	135	704	4625	1567	444	231	3142	4044	-440	-398	10513	3608	14121	2265	16386	49.86
23	3813	172	704	4689	1557	265	228	3130	4152	-440	-395	10496	3147	13643	2264	15907	49.70
24	3807	274	705	4786	1545	310	230	2914	3466	-361	-312	10025	3112	13137	2204	15341	49.50
MUs	94.10	10.46	16.67	121.23	36.93	4.91	5.56	66.04	76.01	-3.29	-2.89	241.74	82.70	324.45	50.71	375.15	49.65

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 01/May/2010

Position as on 6.30 Hrs of 02/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 1	75	01/05/2010	06.00	01/05/2010	18.20	Inspection & Excavation of Civil Work @ Pophali.	
Koyna Unit 4	75	01/05/2010	06.00	01/05/2010	18.15	Inspection & Excavation of Civil Work @ Pophali.	
Koyna Unit 5	80	01/05/2010	06.00	01/05/2010	18.35	Inspection & Excavation of Civil Work @ Pophali.	
Koyna Unit 3	75	01/05/2010	06.00	01/05/2010	18.05	Inspection & Excavation of Civil Work @ Pophali.	
Koyna Unit 2	75	01/05/2010	06.00	02/05/2010	11:35	Inspection & Excavation of Civil Work @ Pophali.	
Koyna Unit 6	75	01/05/2010	06.00	01/05/2010	21.50	Inspection & Excavation of Civil Work @ Pophali.	
Koyna Unit 8	80	01/05/2010	06.00	01/05/2010	21.40	Inspection & Excavation of Civil Work @ Pophali.	
Koyna Unit 7	80	01/05/2010	06.00	01/05/2010	18.50	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.	
Paras Unit 3	250	28/04/2010	10.59	01/05/2010	07.01	Boiler Tube Leakage	
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 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 01/May/2010

Position as on 6.30 Hrs of 02/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.
Uran - JNPT	01/05/2010	09.20	01/05/2010	18.14	R.M.Work.
Kalmeshwar - Rly TSS - I	01/05/2010	10.30	01/05/2010	15.23	Q.M.Work.
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
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.
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.
400/220KV,315MVA ICT-II at N.Koyna	01/05/2010	17.20	01/05/2010	18.46	Trip on NDR.
N.Koyna-jaigad-I	01/05/2010	17.23	01/05/2010	18.04	Dist.Prot.,A/R Lockout Ph.(A).
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		
220/66 kv,50 MVA T/F,@ C'PUR.	01/05/2010	15.37	01/05/2010	15.47	Tripped on B/Up,E/F Prot.Alongwith 66KV TPS Cpr Ckt.
Karad-Sada Waghapur	01/05/2010	20.00	02/05/2010	12:55	Tripped @ Karad End,Relay Pannel Sparking at TB.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/May/2010

Position as on 6.30 Hrs of 02/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Harangul - Nilanga	01/05/2010	03.10	01/05/2010	03.19	Dist.Prot.
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 02/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	75
Unit 3	105	80
Unit 4	105	0
Unit 5	200	140
Unit 6	210	150
Unit 7	210	160
	1040	685
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	95
Unit 2	120	90
Unit 3	210	200
Unit 4	210	210
Unit 5	210	210
	870	805
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Uran		
All Units	852	700

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	700
Hydro		
KDPH	40	19
VTRNA	60	61
TILLARI	60	59
BHTGR/VEER	21	7
BHIRA T.R.	80	75
RNGR+BHTSA	20	5
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	5
GHATGHAR	250	0
	611	231
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	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	3009
	3143	3009

	17376	7 of 7	12402
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