



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Apr/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.270	1451.009	1) Madhya Pradesh	54.263	589.840
2) Hydro	30.089	314.110	2) Gujrat	29.766	335.218
3) Gas	14.155	175.844	3) Goa	-6.670	-80.904
Total MSGENCO	160.514	1940.963	4) TAPS 1&2 (Inj.)	6.663	62.766
B) OTHERS			5) Pench (Excess)	-0.176	-4.318
1) RGPPL Gas	36.565	450.350	# Total Cent. Sector	83.846	902.602
2) Wind Generation	7.141	79.135	F) Other Exchanges		
3) CPP	4.648	54.153	1) With TPCL (Excess)	-7.618	-78.338
4) PENCH (MS)	0.176	4.318	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.741	69.722
1) TPCL Thermal	30.961	364.034	Include PX	0.000	17.257
2) TPCL Hydro	5.249	50.554	2) MUMBAI Bilateral	8.734	87.542
TOTAL TPCL	36.210	414.588	Include PX	1.915	9.553
3) REL Thermal	12.518	150.654	3) MUMBAI Schedule	8.734	87.542
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	159.749	1965.697	1) MSEDCL	285.272	3353.183
2) Hydro (A2+B3+C2)	35.514	368.982	2) TPCL	36.314	415.437
3) Gas (A3+B1)	50.720	626.194	3) REL	20.029	228.123
4) Wind (B2)	7.141	79.135	TOTAL STATE	341.615	3996.743
5) CPP (B3)	4.648	54.153			
TOTAL STATE	257.772	3094.161			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4964	4554	4989
MSGENCO Hydro	1321	2100	985
MSGENCO Gas	600	602	576
MSGENCO Total Generation	6885	7256	6550
Central Sector Receipt	3778	3416	2972
RGPPL	1550	1450	1620
WIND	172	293	380
CPP	182	197	188
Exchange with TPCL	-573	-360	-105
MSEDCL DEMAND MET	12020	12252	11644
Load Shedding	3613	3766	1597
MSEDCL DEMAND (INCL. LS)	15634	16018	13242
TPCL GENERATION	1750	1821	1116
REL GENERATION	520	517	525
TPCL+REL DEMAND	2843	2698	1746
STATE DEMAND MET	14864	14950	13390
STATE DEMAND (INCL. LS)	18476	18716	14988
Frequency (Hz)	49.53	49.04	49.42
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5332 MW at 23.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			104.32 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.43 Hz at 08.04 Hrs	48.7 Hz at 19.24 Hrs	49.41	8.9 % 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 12/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.88	20.74	85	64	70
Unit 2	0.00	15.97	0	0	0
Unit 3	1.70	19.53	90	55	55
Unit 4	1.78	18.58	90	58	80
Unit 5	3.87	33.40	177	151	150
Unit 6	0.00	36.95	0	0	0
Unit 7	4.40	55.39	200	143	180
	13.62	200.56			535
Bhusawal					
Unit 1	0.78	12.14	45	22	50
Unit 2	3.52	50.29	188	68	195
Unit 3	4.42	52.50	190	176	195
	8.73	114.93			440
Parli					
Unit 1	0.54	6.34	25	20	22
Unit 2	0.55	6.11	24	20	22
Unit 3	0.00	0.00	0	0	0
Unit 4	3.84	43.61	178	141	170
Unit 5	4.09	50.71	186	146	180
Unit 6	6.02	69.92	255	241	250
Unit 7	0.00	14.53	0	0	0
	15.04	191.22			644
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	3.86	30.12	170	132	165
Unit 3	3.08	47.77	198	0	200
Unit 4	4.44	53.63	195	167	200
Unit 5	10.28	119.64	470	375	450
Unit 6	0.00	0.32	0	0	0
Unit 7	10.68	123.25	462	404	450
	32.36	398.54			1465
Paras					
Unit 2	0.83	11.84	45	20	46
Unit 3	4.82	67.87	246	0	250
Unit 4	3.88	29.49	202	130	0
	9.52	109.20			296
Khaparkheda					
Unit 1	5.01	59.17	216	194	210
Unit 2	4.41	53.75	189	175	180
Unit 3	4.54	45.66	195	184	190
Unit 4	4.56	57.17	200	183	190
	18.53	215.75			770
Nasik					
Unit 1	2.22	27.03	99	77	100
Unit 2	2.21	25.44	102	82	90
Unit 3	4.55	57.66	198	179	180
Unit 4	4.67	54.61	200	186	200
Unit 5	4.82	56.06	209	192	210
	18.47	220.81			780
Koyna					
Stage 1-2	4.64	59.28	500	35	530
Stage 4	16.48	154.33	1120	0	250
Stage 3	4.29	44.87	318	0	320
	25.41	258.48			1100
Kovna 12&4 Total	21.12	213.62			780

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	14.16	175.84	612	574	570	
	14.16	175.84			570	
Hydro						
KDPH	0.46	6.20	20	19	38	
VTRNA	1.29	13.87	61	0	61	
TILLARI	0.37	4.40	60	0	60	
BHTGR/VEER	0.10	2.09	5	4	5	
BHIRA T.R.	0.12	2.75	75	0	80	
RNGR+BHTSA	0.32	3.63	14	13	13	
BHANDARDRA	0.70	8.57	30	28	28	
ELDARY	0.00	1.07	0	0	0	
SMLHY PTN	0.79	8.61	41	31	16	
GHATGHAR	0.53	4.44	125	0	0	
	4.68	55.63			301	
PENCH (MS)						
Pench (MS)	0.18	4.32	39	0		
	0.18	4.32				
Wind						
MalharPeth	0.19	2.21				
Vankuswadi	0.42	4.94				
ATIT	0.15	1.92				
Kale	0.21	2.23				
Satara	0.31	3.47				
Shirala	0.20	2.14				
K Mahankal	0.24	1.95				
Supa	0.28	2.14				
Vita	1.22	10.37				
Dondaicha	2.32	30.45				
Sakri	0.41	5.12				
Nandurbar	0.30	4.34				
Khadakale	0.25	4.58				
Khaparale	0.66	3.28				
	7.14	79.14				
CPP						
TOTAL CPP	4.65	54.15				
	4.65	54.15				
Dabhol						
RGPPL	36.56	450.35	1640	1400	1550	
	36.56	450.35			1550	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	9.96	119.52	415	415	420	
Trombay 6	10.56	121.46	510	170	500	
Trombay 7A	2.82	33.99	123	115	120	
Trombay 7B	1.59	19.11	68	65	60	
Trombay 8	6.04	69.97	256	250	250	
TATA Hydro	5.25	50.55	471	0	447	
	36.21	414.59			1797	
REL						
1&2	12.52	150.65	525	517	500	
	12.52	150.65			500	
Cent Sect						
Share					3080	
					3080	
MS PG CL	Thermal	116.27	1451.01		4930	
	Thml+Gas	130.42	1626.85		5500	
	Hydro	30.09	314.11		1401	
	Total	160.51	1940.96		6901	
State Total		257.77	3094.16		13828	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/Apr/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	4944	1608	576	7128	1617	268	182	2815	2869	-155	-115	11974	1724	13698	1998	15696	49.35
2	4966	1205	574	6745	1620	332	186	2816	2923	-155	-89	11728	1766	13494	1874	15368	49.40
3	4989	985	576	6550	1620	380	188	2805	2972	-155	-105	11644	1597	13242	1746	14988	49.42
4	4989	803	575	6367	1625	404	188	2722	2923	-155	-102	11404	1946	13350	1649	15000	49.41
5	4978	842	574	6394	1630	386	190	2723	2822	-155	-105	11318	2105	13422	1655	15078	49.38
6	4999	1313	580	6892	1640	382	188	2730	2737	-155	-98	11740	2403	14144	1660	15804	49.19
7	5020	239	584	5843	1630	457	192	2828	2842	-63	-6	10958	3538	14496	1671	16166	49.50
8	4995	191	610	5796	1610	268	180	2828	3019	-63	-7	10866	3795	14662	1807	16468	49.92
9	5020	200	612	5832	1610	269	190	2940	3210	-180	-128	10984	3957	14940	2054	16994	49.77
10	4975	912	603	6490	1555	269	200	3419	3695	-558	-522	11712	3907	15618	2451	18070	49.66
11	5000	1198	592	6790	1550	197	196	3373	3887	-511	-476	12168	3562	15730	2681	18412	49.57
12	4964	1321	600	6885	1550	172	182	3461	3778	-605	-573	12020	3613	15634	2843	18476	49.53
13	4955	1258	599	6812	1558	202	198	3456	3971	-602	-560	12182	3615	15796	2848	18644	49.64
14	4857	1266	594	6717	1490	233	198	3454	4152	-585	-560	12230	3618	15848	2804	18652	49.62
15	4833	1250	590	6673	1425	252	204	3440	3999	-586	-562	11990	3830	15820	2878	18698	49.51
16	4887	1191	580	6658	1425	287	202	3391	3810	-586	-572	11810	3738	15548	2920	18468	49.33
17	4777	943	581	6301	1400	366	196	3391	4324	-586	-562	12024	3728	15752	2880	18632	49.49
18	4717	1280	586	6583	1410	374	196	3399	4167	-586	-566	12164	3275	15440	2785	18224	49.47
19	4633	1655	590	6878	1480	290	198	2830	3293	-391	-357	11782	3697	15480	2673	18152	49.34
20	4554	2100	602	7256	1450	293	197	2954	3416	-391	-360	12252	3766	16018	2698	18716	49.04
21	4707	2102	606	7415	1414	298	199	2923	3720	-344	-283	12763	3383	16146	2567	18713	49.13
22	4512	2093	604	7209	1421	249	202	2962	3597	-344	-285	12419	3402	15821	2456	18277	49.19
23	4485	2067	582	7134	1418	250	199	2977	3924	-344	-282	12643	2997	15640	2391	18031	48.98
24	4543	2067	585	7195	1417	262	196	3159	3807	-478	-343	12534	2034	14568	2357	16925	49.07
MUs	116.30	30.09	14.16	160.54	36.56	7.14	4.65	73.80	83.86	-8.73	-7.62	285.31	75.00	360.31	56.35	416.65	49.41

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 12/Apr/2010

Position as on 6.30 Hrs of 13/Apr/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)	30/04/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	17/04/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	30/04/2010
Cent_Sect NTPC(V-2)	210	01/04/2010	23.20		Continued.	Annual Overhaul	01/05/2010
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul	01/05/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	03/05/2010
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	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Parli Unit 7	250	04/04/2010	17.16		Continued.	Flame/Failure.	15/04/2010
Koradi Unit 6	210	10/04/2010	08.14		Continued.	Suspected Tube Leakage.	13/04/2010
Cent_Sect TARAPUR-4	540	11/04/2010	09.58		Continued.	Reactor problem.	
Uran Unit 3	60	11/04/2010	14.14		Continued.	Gas restriction.	
Koradi Unit 2	105	11/04/2010	21.13		Continued.	BLR T/L.	21/04/2010
Koyna Unit 3	75	12/04/2010	03.10		Continued.	W/Dn,Turbine guide bearing oil cooler replacement.	14/04/2010
Dabhol 1A	230	12/04/2010	16.34	12/04/2010	21.32	Tripped on turbine speed signal.	
Cent_Sect NTPC(K-3)	210	12/04/2010	17.10	12/04/2010	20.13	Bus fault.	
Cent_Sect NTPC(K-4)	500	12/04/2010	17.10	13/04/2010	04.08	Bus fault.	
Chandrapur Unit 3	210	12/04/2010	18.12	13/04/2010	01.03	Low vaccum	13/04/2010
Paras Unit 3	250	12/04/2010	21.00	12/04/2010	23.36	Tripped on low drum level.	14/04/2010
Dabhol 1A	230	12/04/2010	21.54		Continued.	Maloperation speed protection relay.	
Dabhol 3A	230	13/04/2010	00.39		Continued.	Tripped due to air temp.high	
Dabhol 3B	230	13/04/2010	00.43	13/04/2010	03.00	Tripped due to air temp. high	
Dabhol 3X	290	13/04/2010	00:45	13/04/2010	04:08	Tripped due to air temp. high	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2010

Position as on 6.30 Hrs of 13/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	26/03/2010	17.33	12/04/2010	08.42	H/T.
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Dhule-Sar'Sarovar - II	10/04/2010	08.06		Continued.	H/T For O/V.
Akola - Aurangabad - I	13/04/2010	00:43		Continued.	H/T
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Lonikand - II	11/04/2010	11.20		Continued.	Breaker O/H.line on TBC at Parli end.
Koradi-Akola bay	12/04/2010	08.57	13/04/2010	00.37	Replacement of CVT's
Padgha-Nagothane-II	12/04/2010	12.07		Continued.	Bus side isolator work(line on TBC at Padgha end.)
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 ICT-II @ Chikali	07/04/2010	17.50		Continued.	Outage for replacement by 200 MVA ICT
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT to be replaced with new 200MVA ICT
220/132 KV,100MVA ICT-I at Beed	08/04/2010	09.15		Continued.	Augmentation of 100 MVA ICT by 200 MVA ICT
Uran-Apta-II	12/04/2010	09.52	12/04/2010	12.20	TB isolator replace.
Bhenda-Waluj	12/04/2010	10.22	12/04/2010	14.20	Q.M.Work.
Ambazari-Amravati	12/04/2010	10.46		Continued.	Replacement of 220KV CTs and LAs
Karad - Ogalewadi - II	12/04/2010	15.24	12/04/2010	19.28	Commissioning of New Breaker.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 KV Interconnector I at Bhusawal	07/04/2010	10.47		Continued.	Q.M.Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-I at Kharghar	06/04/2010	14.10		Continued.	L.V.side breaker on TBC(Own breaker overhauling work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
Kolhapur-Jaigad-I	06/04/2010	17.35		Continued.	H/T
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	Hand Tripped.
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
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand - Parly - II	12/04/2010	08.05	12/04/2010	12.52	Tripped on Distance Protection R-E,21.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV,150 MVA ICT At Theur.	04/04/2010	13.05		Continued.	Augmentation of ICT by new 200 MVA.
Bableshwar-Bhenda	12/04/2010	01.24	12/04/2010	02.29	Tripped on Dist.Protection.
Kalwa-Mahape	12/04/2010	07.34	12/04/2010	07.58	Tripped on distance Protection.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2010

Position as on 6.30 Hrs of 13/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Warora-Hinganghat	12/04/2010	10.27	12/04/2010	16.09	Protection Zone-2 B Ph.CC burst at Warora end.
Satara MIDC-Vankushwadi-I	12/04/2010	13.02	12/04/2010	16.50	Tripped on distance protection.
Bhira-Kandalgaon	13/04/2010	04.15		Continued.	B Ph.bus PT 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 C T Burst.
Ujani-Umarga	13/04/2010	04.25		Continued.	Y Ph.C.T.Burst at Ujani.
Harangul-Ujani-II	13/04/2010	04.25	13/04/2010	04.51	Tripped on Dist. Prot.
Harangul-Ujani Ckt.-I	13/04/2010	04.25	13/04/2010	04.50	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	0
Unit 3	105	75
Unit 4	105	50
Unit 5	200	150
Unit 6	210	0
Unit 7	210	200
	1040	555
Bhusawal		
Unit 1	58	25
Unit 2	210	195
Unit 3	210	195
	478	415
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	0
Unit 4	210	160
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	634
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1470
Paras		
Unit 2	55	46
Unit 3	250	250
Unit 4	250	
	555	296
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	100
Unit 3	210	190
Unit 4	210	200
Unit 5	210	200
	870	780
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Uran		
All Units	852	600

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	600
Hydro		
KDPH	40	38
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	295
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	3040
	3143	3040