



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Apr/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.749	2558.804	1) Madhya Pradesh	55.090	1193.477
2) Hydro	38.990	697.150	2) Gujrat	26.266	617.464
3) Gas	15.949	351.030	3) Goa	-6.940	-156.253
Total MSGENCO	144.688	3606.984	4) TAPS 1&2 (Inj.)	7.162	141.143
B) OTHERS			5) Pench (Excess)	-0.576	-7.950
1) RGPPL Gas	34.718	836.746	# Total Cent. Sector	81.002	1787.881
2) Wind Generation	7.024	174.228	F) Other Exchanges		
3) CPP	4.627	107.922	1) With TPCL (Excess)	-9.556	-156.092
4) PENCH (MS)	0.576	7.950	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.433	152.995
1) TPCL Thermal	32.047	719.636	Include PX	0.000	17.257
2) TPCL Hydro	6.097	110.078	2) MUMBAI Bilateral	10.085	169.822
TOTAL TPCL	38.144	829.714	Include PX	2.993	19.775
3) REL Thermal	12.434	288.352	3) MUMBAI Schedule	10.400	171.677
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	134.230	3566.792	1) MSEDCL	263.079	6365.619
2) Hydro (A2+B3+C2)	45.663	815.178	2) TPCL	39.201	823.778
3) Gas (A3+B1)	50.667	1187.776	3) REL	20.933	450.343
4) Wind (B2)	7.024	174.228	TOTAL STATE	323.213	7639.740
5) CPP (B3)	4.627	107.922			
TOTAL STATE	242.211	5851.896			

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	3758	3717	3871
MSGENCO Hydro	1289	2026	1978
MSGENCO Gas	643	653	684
MSGENCO Total Generation	5690	6396	6533
Central Sector Receipt	3603	3589	2745
RGPPL	1497	1395	1498
WIND	338	291	214
CPP	190	227	178
Exchange with TPCL	-647	-437	-124
MSEDCL DEMAND MET	10721	11501	11050
Load Shedding	4346	4609	2068
MSEDCL DEMAND (INCL. LS)	15067	16110	13118
TPCL GENERATION	1806	1820	1320
REL GENERATION	505	518	521
TPCL+REL DEMAND	2958	2775	1965
STATE DEMAND MET	13679	14276	13015
STATE DEMAND (INCL. LS)	18025	18885	15083
Frequency (Hz)	48.97	49.04	48.98
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5834 MW At 17.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			118.68 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.77 Hz at 21.56 Hrs	48.59 Hz at 14.40 Hrs	49.03	49.28 % 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/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.34	38.54	67	38	65
Unit 2	1.18	21.32	71	26	55
Unit 3	1.04	37.48	69	0	60
Unit 4	1.13	35.18	70	19	40
Unit 5	2.11	68.40	162	60	100
Unit 6	2.23	69.48	136	55	55
Unit 7	1.97	95.51	135	0	120
	11.00	365.91			495
Bhusawal					
Unit 1	0.56	18.28	25	21	25
Unit 2	0.03	91.83	30	0	0
Unit 3	0.00	87.94	0	0	0
	0.58	198.05			25
Parli					
Unit 1	0.54	12.47	24	21	22
Unit 2	0.55	11.15	23	22	22
Unit 3	3.74	16.08	175	137	175
Unit 4	3.52	83.59	186	109	160
Unit 5	4.18	94.94	189	155	175
Unit 6	5.58	135.44	256	171	250
Unit 7	0.00	14.53	0	0	
	18.10	368.20			804
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	3.73	69.26	184	134	150
Unit 4	4.36	98.42	193	160	190
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	10.17	236.38	455	404	450
	18.26	626.85			790
Paras					
Unit 2	0.45	18.51	20	17	40
Unit 3	5.64	115.23	250	225	230
Unit 4	0.00	45.45	0	0	
	6.09	179.18			270
Khaparkheda					
Unit 1	4.77	112.74	215	180	210
Unit 2	4.30	101.20	185	167	180
Unit 3	4.53	94.76	194	172	190
Unit 4	3.95	104.16	178	145	190
	17.56	412.86			770
Nasik					
Unit 1	2.24	44.95	100	67	95
Unit 2	1.91	48.11	100	60	65
Unit 3	4.56	100.80	212	180	200
Unit 4	4.74	105.49	205	176	200
Unit 5	4.70	108.40	204	181	210
	18.15	407.75			770
Koyna					
Stage 1-2	10.60	151.96	565	135	600
Stage 4	19.55	346.22	1120	88	250
Stage 3	6.63	105.31	320	124	320
	36.78	603.49			1170
Kovna 12&4 Total	30.15	498.18			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.95	351.03	696	629	660	
	15.95	351.03			660	
Hydro						
KDPH	0.46	11.20	20	19	36	
VTRNA	0.00	18.83	0	0	0	
TILLARI	0.37	8.30	60	0	60	
BHTGR/VEER	0.49	7.28	21	20	10	
BHIRA T.R.	0.28	5.77	81	0	80	
RNGR+BHTSA	0.31	6.69	13	12	10	
BHANDARDRA	0.00	10.41	0	0	0	
ELDARY	0.00	1.07	0	0	0	
SMLHY PTN	0.31	17.52	13	12	12	
GHATGHAR	0.00	6.58	0	0	0	
	2.21	93.66			208	
PENCH (MS)						
Pench (MS)	0.58	7.95	50	0		
	0.58	7.95				
Wind						
MalharPeth	0.14	4.66				
Vankuswadi	0.51	10.17				
ATIT	0.21	4.30				
Kale	0.18	4.74				
Satara	0.20	7.10				
Shirala	0.13	4.20				
K Mahankal	0.38	3.09				
Supa	0.26	3.82				
Vita	1.34	19.33				
Dondaicha	2.03	71.11				
Sakri	0.34	11.87				
Nandurbar	0.25	9.66				
Khadakale	0.77	11.68				
Khaparale	0.29	8.51				
	7.02	174.23				
CPP						
TOTAL CPP	4.63	107.92				
	4.63	107.92				
Dabhol						
RGPPL	34.72	836.75	1521	1205	1400	
	34.72	836.75			1400	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	9.96	229.06	415	415	400	
Trombay 6	11.82	253.85	510	350	500	
Trombay 7A	2.70	64.25	116	107	120	
Trombay 7B	1.55	36.18	66	63	60	
Trombay 8	6.03	136.30	255	250	250	
TATA Hydro	6.10	110.08	471	0	447	
	38.14	829.71			1777	
REL						
1&2	12.43	288.35	522	505	500	
	12.43	288.35			500	
Cent Sect						
Share					3062	
					3062	
MS PG CL	Thermal	89.75	2558.80		3924	
	Thml+Gas	105.70	2909.83		4584	
	Hydro	38.99	697.15		1378	
	Total	144.69	3606.98		5962	
State Total		242.21	5851.90		12701	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	3901	1864	678	6443	1477	228	178	2914	2938	-310	-291	11020	2233	13253	2280	15533	48.93
2	3888	1758	686	6332	1497	217	181	2748	2902	-168	-149	11027	2230	13257	2087	15344	49.20
3	3871	1978	684	6533	1498	214	178	2749	2745	-168	-124	11050	2068	13118	1965	15083	48.98
4	3820	2019	693	6532	1496	222	190	2663	3039	-168	-124	11355	1962	13317	1881	15198	49.11
5	3795	1989	690	6474	1516	287	190	2653	2953	-168	-101	11319	2104	13423	1821	15244	48.93
6	3761	2034	690	6485	1521	312	189	2540	3154	-63	-27	11634	2439	14073	1818	15891	48.89
7	3747	669	696	5112	1515	368	206	2664	3482	-24	10	10693	3949	14642	1861	16503	49.16
8	3773	773	694	5240	1514	317	199	2724	2923	-77	-25	10168	4213	14381	1911	16292	49.16
9	3736	965	684	5385	1509	341	179	2793	2897	-148	-116	10195	4497	14692	2170	16862	49.12
10	3739	734	675	5148	1496	407	188	3259	3489	-527	-511	10217	4546	14763	2584	17347	49.24
11	3741	972	659	5372	1513	365	192	3365	3695	-598	-569	10593	4233	14826	2855	17681	49.21
12	3758	1289	643	5690	1497	338	190	3410	3603	-645	-647	10721	4346	15067	2958	18025	48.97
13	3736	1702	629	6067	1494	353	190	3489	3801	-739	-712	11243	4211	15454	2995	18449	49.05
14	3765	1747	631	6143	1485	278	190	3530	3351	-739	-724	10773	4110	14883	2949	17832	48.95
15	3794	1593	630	6017	1463	289	189	3512	3543	-739	-740	10811	4305	15116	3076	18192	48.78
16	3784	1678	632	6094	1239	269	184	3537	3605	-739	-779	10637	4577	15214	3113	18327	48.96
17	3741	1789	640	6170	1206	295	187	3539	3777	-748	-742	10893	4511	15404	3076	18480	48.87
18	3689	1686	646	6021	1205	322	190	3492	3573	-701	-688	10623	4090	14713	2971	17684	48.96
19	3748	1654	656	6058	1207	382	203	3074	3634	-502	-412	11089	4231	15320	2749	18069	49.15
20	3717	2026	653	6396	1395	291	227	3226	3589	-526	-437	11501	4609	16110	2775	18885	49.04
21	3640	2130	655	6425	1503	306	212	3105	3482	-392	-355	11615	4429	16044	2696	18740	49.04
22	3549	1929	666	6144	1498	273	196	3278	3512	-504	-430	11240	4553	15793	2607	18400	49.05
23	3503	2036	670	6209	1504	185	200	3307	3723	-483	-411	11450	3818	15268	2454	17722	49.01
24	3542	1976	669	6187	1470	161	199	3413	3569	-522	-452	11174	3501	14675	2482	17157	48.97
MUs	89.74	38.99	15.95	144.68	34.72	7.02	4.63	74.98	80.98	-10.40	-9.56	263.04	89.76	352.81	60.13	412.94	49.03

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/Apr/2010

Position as on 6.30 Hrs of 24/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
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	30/04/2010
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
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.	
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.	
Parli Unit 7	250	04/04/2010	17.16		Continued.	Flame/Failure.	24/04/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	
Bhusawal Unit 3	210	21/04/2010	01.00		Continued.	I.D.Fan problem.	24/04/2010
Paras Unit 4	250	21/04/2010	14.14		Continued.	Low Drum Level	24/04/2010
Cent_Sect NTPC(V-7)	500	22/04/2010	11.25	23/04/2010	13.00	Boiler Tube Leakage.	
Bhusawal Unit 2	210	23/04/2010	00.15		Continued.	Boiler Tube Leakage.	26/04/2010
Koradi Unit 3	105	23/04/2010	17.26		Continued.	Hydrogen Leakage.	28/04/2010
Koradi Unit 7	210	23/04/2010	20.24		Continued.	Furance Pressure High.	24/04/2010

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

Position as on 6.30 Hrs of 24/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	23/04/2010	09.33	23/04/2010	20.13	Annual Maintenance.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Akola - Wardha - I	13/04/2010	00.43		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	18/04/2010	00.11		Continued.	H/T For O/v.
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.
Dabhol - Nagothane - I	15/04/2010	08.42		Continued.	For Diversion of Dabhol-Nagothane-I.
Karad-New Koyna II	23/04/2010	06.19	23/04/2010	11.42	To Attended Hot Spot @ Wave Trap.
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,150 MVA ICT At Theur.	04/04/2010	13.05		Continued.	Augmentation of ICT by new 200 MVA.
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.	Agumentation of 100 MVA ICT by 200 MVA ICT,Test charge on 23/04/10/21:35hrs
220 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
Bableshwar-Bhenda	23/04/2010	06.00		Continued.	Reconductering for ground clearance.
Koradi-Butibori	23/04/2010	07.22	23/04/2010	14.19	Replacement of Jumper.
Ambazari-Amravati	23/04/2010	07.23	23/04/2010	10.50	Replacement of CVT Point Damaged Jumpers.
220 KV Interconnector @ Kalwa.	23/04/2010	07.34	23/04/2010	17.55	Attend Oil Leakage of C T.
Padghe - Nashik - II	23/04/2010	08.25		Continued.	Conductor Replacement Work.
220/132,200MVA ICT at Bhoisor	23/04/2010	10.32	23/04/2010	16.40	Tendelta Measurment.
Kalmeshwar-Ambazari	23/04/2010	11.08	23/04/2010	12.56	Repairing of Jumper of Take OFF Tower.
Lonikand-Khadki	23/04/2010	11.19		Continued.	Overhauling of Breaker.Line on TBC.
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-Lonikand.	23/04/2010	06.10	23/04/2010	11.53	For New Koyna - Karad Outage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	Hand Tripped.
Hinjawadi-I - Hinjawadi-II	23/04/2010	15:01	23/04/2010	15:14	H/T FOR TREE CUTTING
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Buldhana-Motala	07/04/2010	10.00		Continued.	To control load ICT-I at 220KV Chikhali

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

Position as on 6.30 Hrs of 24/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Hinjawadi-I - Hinjawadi-II	23/04/2010	12.35	23/04/2010	13.38	Dist.Prot.
Talandge - Sawantwadi	23/04/2010	13.14	23/04/2010	13.34	Dist.Prot.
Talandge - Sawantwadi	23/04/2010	13.48	23/04/2010	20.01	Reason at loc no. 338 B-phase conductor clam replaced
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	64
Unit 2	105	40
Unit 3	105	0
Unit 4	105	80
Unit 5	200	130
Unit 6	210	100
Unit 7	210	0
	1040	414
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	0
	478	25
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	160
Unit 4	210	120
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	754
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	170
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	450
	2340	810
Paras		
Unit 2	55	40
Unit 3	250	210
Unit 4	250	
	555	250
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	660

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	660
Hydro		
KDPH	40	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	216
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	1500
	960	1500
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	3237
	3143	3237