



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Apr/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.647	2747.641	1) Madhya Pradesh	61.168	1313.133
2) Hydro	24.294	760.707	2) Gujrat	29.826	673.959
3) Gas	16.256	383.427	3) Goa	-5.557	-168.926
Total MSGENCO	137.197	3891.775	4) TAPS 1&2 (Inj.)	7.161	155.502
B) OTHERS			5) Pench (Excess)	-0.240	-8.670
1) RGPPL Gas	36.112	907.186	# Total Cent. Sector	92.358	1964.998
2) Wind Generation	8.429	189.367	F) Other Exchanges		
3) CPP	4.723	117.558	1) With TPCL (Excess)	-3.592	-167.427
4) PENCH (MS)	0.240	8.670	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	8.248	168.676
1) TPCL Thermal	31.903	784.042	Include PX	0.814	18.072
2) TPCL Hydro	1.410	116.732	2) MUMBAI Bilateral	4.535	182.751
TOTAL TPCL	33.313	900.774	Include PX	0.188	21.449
3) REL Thermal	12.494	313.288	3) MUMBAI Schedule	4.535	184.606
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	141.044	3844.971	1) MSEDCL	275.467	6912.127
2) Hydro (A2+B3+C2)	25.944	886.109	2) TPCL	31.389	892.458
3) Gas (A3+B1)	52.368	1290.613	3) REL	18.011	488.994
4) Wind (B2)	8.429	189.367	TOTAL STATE	324.867	8293.579
5) CPP (B3)	4.723	117.558			
TOTAL STATE	232.508	6328.618			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4084	4178	3940
MSGENCO Hydro	1208	602	1152
MSGENCO Gas	649	672	690
MSGENCO Total Generation	5941	5452	5782
Central Sector Receipt	3776	4935	3350
RGPPL	1486	1519	1501
WIND	421	169	365
CPP	200	200	211
Exchange with TPCL	-168	-197	-241
MSEDCL DEMAND MET	11656	12103	11018
Load Shedding	3954	4116	2006
MSEDCL DEMAND (INCL. LS)	15610	16219	13024
TPCL GENERATION	1310	1473	1389
REL GENERATION	522	517	521
TPCL+REL DEMAND	2000	2187	2151
STATE DEMAND MET	13656	14290	13169
STATE DEMAND (INCL. LS)	17610	18406	15175
Frequency (Hz)	49.25	49.48	49.14
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5576 MW AT 15.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			110.37 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.49 Hz at 18:20 Hrs	48.69 Hz at 05:28 Hrs	49.36	7.37 % 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 25/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.82	41.73	82	61	80
Unit 2	1.86	24.79	83	69	75
Unit 3	0.00	37.48	0	0	0
Unit 4	1.16	38.00	94	0	80
Unit 5	1.66	72.06	150	0	0
Unit 6	3.20	74.70	165	85	100
Unit 7	2.58	98.72	172	0	0
	12.27	387.46			335
Bhusawal					
Unit 1	0.52	19.33	23	19	25
Unit 2	4.30	96.20	192	144	195
Unit 3	1.34	89.96	98	45	70
	6.15	205.49			290
Parli					
Unit 1	0.57	13.54	25	22	22
Unit 2	0.56	12.23	24	22	22
Unit 3	4.16	24.30	186	143	180
Unit 4	3.35	89.90	155	109	140
Unit 5	4.25	103.58	186	163	180
Unit 6	5.97	147.17	254	230	250
Unit 7	2.69	17.74	160	0	0
	21.55	408.46			794
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	4.16	77.47	196	157	180
Unit 4	4.43	107.39	200	155	190
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	0.08	246.36	84	0	0
	8.68	654.01			370
Paras					
Unit 2	1.05	20.31	47	41	50
Unit 3	5.68	126.34	246	228	250
Unit 4	4.24	50.91	222	80	0
	10.98	197.56			300
Khaparkheda					
Unit 1	4.84	122.42	216	184	210
Unit 2	4.34	109.90	186	172	180
Unit 3	4.55	103.90	195	182	190
Unit 4	4.30	112.84	191	158	190
	18.02	449.06			770
Nasik					
Unit 1	2.26	49.42	102	89	95
Unit 2	2.26	52.59	99	88	90
Unit 3	4.86	110.48	210	190	200
Unit 4	4.81	115.07	207	193	210
Unit 5	4.80	118.04	207	188	210
	19.00	445.60			805
Koyna					
Stage 1-2	5.24	166.24	545	40	600
Stage 4	13.51	381.39	995	0	250
Stage 3	3.87	115.75	240	0	320
	22.61	663.38			1170
Kovna 12&4 Total	18.74	547.63			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.26	383.43	711	623	650
		16.26	383.43			650
Hydro						
KDPH		0.00	11.36	0	0	36
VTRNA		0.00	18.83	0	0	0
TILLARI		0.33	8.97	54	0	60
BHTGR/VEER		0.49	8.25	21	20	20
BHIRA T.R.		0.21	6.24	80	0	80
RNGR+BHTSA		0.27	7.19	12	11	11
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.38	18.42	23	14	10
GHATGHAR		0.00	6.58	0	0	0
		1.68	97.33			217
PENCH (MS)						
Pench (MS)		0.24	8.67	51	0	
		0.24	8.67			
Wind						
MalharPeth		0.12	4.93			
Vankuswadi		0.35	10.96			
ATIT		0.15	4.68			
Kale		0.12	5.03			
Satara		0.15	7.40			
Shirala		0.10	4.40			
K Mahankal		0.27	3.72			
Supa		0.26	4.27			
Vita		0.52	20.85			
Dondaicha		4.10	77.67			
Sakri		0.69	13.05			
Nandurbar		0.44	10.37			
Khadakale		0.66	12.82			
Khaparale		0.48	9.22			
		8.43	189.37			
CPP						
TOTAL CPP		4.72	117.56			
		4.72	117.56			
Dabhol						
RGPPL		36.11	907.19	1531	1481	1500
		36.11	907.19			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	248.98	415	415	420
Trombay 6		11.69	277.78	510	390	500
Trombay 7A		2.70	69.68	118	95	120
Trombay 7B		1.54	39.26	66	58	60
Trombay 8		6.01	148.34	255	240	250
TATA Hydro		1.41	116.73	249	0	447
		33.31	900.77			1797
REL						
1&2		12.49	313.29	524	517	500
		12.49	313.29			500
Cent Sect						
Share						3236
						3236
MS PG CL	Thermal	96.65	2747.64			3664
	Thml+Gas	112.90	3131.07			4314
	Hydro	24.29	760.71			1387
	Total	137.20	3891.78			5701
State Total		232.51	6328.62			12734

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	3959	1270	685	5914	1517	398	210	3196	3391	-318	-288	11193	2001	13194	2299	15493	49.08
2	3940	1152	690	5782	1501	365	211	3175	3350	-270	-241	11018	2006	13024	2151	15175	49.14
3	3985	1381	693	6059	1488	446	214	3068	3231	-176	-116	11322	1959	13281	1997	15278	49.16
4	4030	1558	698	6286	1491	427	213	2937	3382	-128	-70	11729	1920	13649	1946	15595	49.23
5	3858	1532	699	6089	1488	391	217	2905	3190	-128	-70	11305	2074	13379	1889	15268	49.16
6	3857	1722	698	6277	1481	392	208	2732	3003	-73	-44	11317	2630	13947	1860	15807	49.04
7	3919	910	711	5540	1489	417	207	2803	3318	19	76	11047	3606	14653	1806	16459	49.55
8	3956	557	703	5216	1488	389	205	2804	3257	19	76	10631	3897	14528	1809	16337	49.44
9	4099	623	685	5407	1486	210	210	2860	3152	-37	21	10486	4146	14632	1832	16464	49.37
10	4121	572	672	5365	1484	264	203	3143	3579	-216	-166	10729	4137	14866	1940	16806	49.36
11	4049	864	662	5575	1481	222	196	3202	3923	-216	-195	11202	3870	15072	1959	17031	49.34
12	4084	1208	649	5941	1486	421	200	3240	3776	-216	-168	11656	3954	15610	2000	17610	49.25
13	4115	943	652	5710	1501	363	187	3240	4284	-220	-190	11855	3764	15619	2088	17707	49.37
14	3988	1023	661	5672	1508	417	179	3240	4135	-220	-197	11714	3649	15363	2103	17466	49.32
15	3934	1055	661	5650	1508	564	177	3229	4086	-220	-192	11793	3849	15642	2098	17740	49.32
16	3977	891	664	5532	1513	533	174	3179	3877	-220	-207	11422	4158	15580	2134	17714	49.40
17	3988	484	674	5146	1519	628	171	3179	4229	-220	-193	11500	4100	15600	2076	17676	49.61
18	3990	91	684	4765	1520	266	185	3185	4810	-220	-192	11354	3729	15083	2056	17139	49.76
19	4070	149	695	4914	1525	283	182	3116	4903	-228	-192	11626	3966	15592	2036	17628	49.96
20	4178	602	672	5452	1519	169	200	3240	4935	-228	-197	12103	4116	16219	2187	18406	49.48
21	4136	1011	623	5770	1526	177	190	3241	4580	-228	-190	12080	3647	15727	2257	17984	49.42
22	4213	1234	673	6120	1531	219	190	3246	4620	-228	-187	12518	3471	15989	2273	18262	49.47
23	4133	1647	673	6453	1531	214	195	3205	3782	-237	-192	12008	3238	15246	2293	17539	49.32
24	4066	1815	679	6560	1531	253	199	3199	3552	-324	-278	11843	3186	15029	2310	17339	49.12
MUs	96.64	24.29	16.26	137.20	36.11	8.43	4.72	74.56	92.34	-4.54	-3.59	275.45	81.07	356.52	49.40	405.92	49.36

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 25/Apr/2010

Position as on 6.30 Hrs of 26/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.	
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	
Cent_Sect NTPC (V-1)	210	25/04/2010	23.30		Continued.	Annual O/H.	
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.	
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	
Koradi Unit 3	105	23/04/2010	17.26		Continued.	Hydrogen Leakage.	28/04/2010
Koradi Unit 5	200	25/04/2010	03.59	25/04/2010	13.56	Trip.	
Koradi Unit 7	210	25/04/2010	03.59	25/04/2010	07.55	Trip.	
Cent_Sect NTPC(K-4)	500	25/04/2010	04.05	25/04/2010	08.57	Trip.	
Koyna ST-IV 1	250	25/04/2010	05.55	25/04/2010	11.32	Preventitive Maintaince.	
Koradi Unit 4	115	25/04/2010	13.46		Continued.	BLR T/L.	27/04/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2010

Position as on 6.30 Hrs of 26/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Mapusa Ckt I	25/04/2010	07.16	25/04/2010	20.37	Erection of Jack Bus.
Kolhapur-Mapusa-II	25/04/2010	07.37	25/04/2010	19.44	Erection of Jack Bus.
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		
Koradi-Bhilai	25/04/2010	03.59	25/04/2010	05.31	Tripped on 186A 186B Relay.Air Lockout.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - Nagothane - I	15/04/2010	08.42		Continued.	For Diversion of Dabhol-Nagothane-I.
400 KV Bus Coupler @ New Koyna.	24/04/2010	09.40	25/04/2010	09.45	Gas Filling Work.
Main Bus-II at Kolhapur	25/04/2010	07.43	25/04/2010	19.04	Erection of Jack Bus.
Aux.Bus at Kolhapur	25/04/2010	07.43	25/04/2010	19.04	Erection of Jack Bus.
Karad-Kolhapur CKT II	25/04/2010	08.10	25/04/2010	11.49	M.B.II side Isolator 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,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	25/04/2010	10.15	Taken on Load.
220 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
Bableshwar-Bhenda	23/04/2010	06.00	25/04/2010	15.23	Reconductering for ground clearance.
Padghe - Nashik - II	23/04/2010	08.25		Continued.	Conductor Replacement Work.
Lonikand-Khadki	23/04/2010	11.19		Continued.	Overhauling of Breaker.Line on TBC.
Boisor-Versova	25/04/2010	06.40	25/04/2010	15.50	E/W Replacement,line Maintaince.
220KV Bus section-II at Trombay	25/04/2010	08.25		Continued.	Attending Red Hot on ICT-III rejumping of BUS SEC Isolator.
125MV ICT 3 @TROMBAY	25/04/2010	08.28		Continued.	Attending Red Hot Spot.
Trombay - Tifil	25/04/2010	08.43		Continued.	Replacement of old conductor.
Aux. Bus at New Parli	25/04/2010	1500	25/04/2010	20.45	To attend Y-Ph Cond.of Aux.Bus(Slipped at dead 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		
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	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		Continued.	To Control C'pur ICT-I Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2010

Position as on 6.30 Hrs of 26/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 : 500KV			Outage Type TRIPPED		
HVDC POLE I -CHDPR	24/04/2010	22.28	25/04/2010	09.59	Pole blocked due to O/V.
HVDC POLE II - CHDPR	24/04/2010	22.29	25/04/2010	09.58	Pole blocked due to O/V.
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.
Koradi - Kaparkheda	25/04/2010	03.59	25/04/2010	06.25	Main I & Main II, RYB Ph.
Koradi-Akola	25/04/2010	03.59	25/04/2010	04.46	Main I Main II Operated,No Ph.
Chandrapur-Khaparkheda	25/04/2010	03.59	25/04/2010	06.25	Main I Main II RYB Ph.
Karad-Newkoyna 1	25/04/2010	16.54	25/04/2010	17.13	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 150MVA ICT at Nanded	24/04/2010	21.45	25/04/2010	12.21	Bus Bar Protection Operated.
Kalwa-Nasik	25/04/2010	12.40	25/04/2010	13.15	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 C T Burst.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
null					
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 bushing burst and caught fire.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	75
Unit 3	105	0
Unit 4	105	0
Unit 5	200	130
Unit 6	210	125
Unit 7	210	130
	1040	540
Bhusawal		
Unit 1	58	25
Unit 2	210	195
Unit 3	210	70
	478	290
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	170
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	824
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	370
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	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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	171
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	420
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	3351
	3143	3351