



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Apr/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.460	2943.568	1) Madhya Pradesh	62.197	1434.972
2) Hydro	35.832	830.214	2) Gujrat	27.445	730.519
3) Gas	16.333	414.847	3) Goa	-6.720	-183.112
Total MSGENCO	150.625	4188.629	4) TAPS 1&2 (Inj.)	6.878	169.449
B) OTHERS			5) Pench (Excess)	-0.656	-10.014
1) RGPPL Gas	34.770	978.136	# Total Cent. Sector	89.144	2141.814
2) Wind Generation	6.712	203.538	F) Other Exchanges		
3) CPP	5.232	127.544	1) With TPCL (Excess)	-10.725	-187.881
4) PENCH (MS)	0.656	10.014	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.448	183.571
1) TPCL Thermal	31.964	848.363	Include PX	0.000	18.072
2) TPCL Hydro	5.752	128.560	2) MUMBAI Bilateral	11.369	204.173
TOTAL TPCL	37.716	976.923	Include PX	3.846	28.112
3) REL Thermal	12.482	338.248	3) MUMBAI Schedule	11.549	206.388
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	142.906	4130.179	1) MSEDCL	276.414	7461.794
2) Hydro (A2+B3+C2)	42.240	968.788	2) TPCL	39.396	971.134
3) Gas (A3+B1)	51.103	1392.983	3) REL	21.527	531.877
4) Wind (B2)	6.712	203.538	TOTAL STATE	337.337	8964.805
5) CPP (B3)	5.232	127.544			
TOTAL STATE	248.193	6823.032			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4181	3983	4106
MSGENCO Hydro	1467	1909	1932
MSGENCO Gas	674	679	706
MSGENCO Total Generation	6322	6571	6744
Central Sector Receipt	4151	3773	2806
RGPPL	1474	1579	1385
WIND	93	352	304
CPP	216	224	208
Exchange with TPCL	-680	-513	-89
MSEDCL DEMAND MET	11625	12034	11358
Load Shedding	4051	4365	2126
MSEDCL DEMAND (INCL. LS)	15676	16399	13484
TPCL GENERATION	1816	1745	1268
REL GENERATION	521	516	521
TPCL+REL DEMAND	3017	2774	1878
STATE DEMAND MET	14642	14808	13236
STATE DEMAND (INCL. LS)	18693	19173	15362
Frequency (Hz)	49.27	49.16	49.15
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5962 MW at 16.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			115.41 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.04 Hz at 18.04 Hrs	48.76 Hz at 00.13 Hrs	49.24	12.72 % 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 27/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.84	45.30	82	72	75
Unit 2	1.69	28.10	76	67	65
Unit 3	0.00	37.48	0	0	0
Unit 4	0.00	38.00	0	0	0
Unit 5	3.30	78.09	155	124	140
Unit 6	3.31	80.92	165	105	150
Unit 7	3.50	105.23	170	115	140
	13.65	413.13			570
Bhusawal					
Unit 1	0.57	20.46	25	22	25
Unit 2	4.34	104.73	190	145	190
Unit 3	4.51	97.56	195	175	195
	9.42	222.75			410
Parli					
Unit 1	0.56	14.68	25	21	22
Unit 2	0.56	13.36	24	22	22
Unit 3	3.31	31.77	160	112	155
Unit 4	3.41	96.42	163	123	160
Unit 5	3.71	111.37	180	135	145
Unit 6	5.83	158.91	256	179	250
Unit 7	3.92	25.48	233	0	
	21.31	451.99			754
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	3.91	85.34	192	88	180
Unit 4	3.98	115.59	193	120	190
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	0.00	246.36	0	0	0
	7.89	670.08			370
Paras					
Unit 2	0.99	22.38	46	38	46
Unit 3	5.72	137.71	246	227	250
Unit 4	4.27	59.95	209	65	
	10.99	220.04			296
Khaparkheda					
Unit 1	4.94	132.04	215	185	210
Unit 2	4.21	118.26	187	156	180
Unit 3	4.38	112.68	193	150	190
Unit 4	4.22	121.16	193	156	190
	17.75	484.14			770
Nasik					
Unit 1	2.16	53.77	96	86	95
Unit 2	2.18	56.90	99	78	90
Unit 3	4.42	119.58	200	170	170
Unit 4	4.40	124.11	205	155	170
Unit 5	4.29	127.07	200	166	170
	17.46	481.43			695
Koyna					
Stage 1-2	7.52	181.76	555	40	600
Stage 4	20.18	419.70	1127	81	250
Stage 3	5.90	127.39	316	0	320
	33.59	728.85			1170
Kovna 12&4 Total	27.70	601.46			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.33	414.85	710	644	670
		16.33	414.85			670
Hydro						
KDPH		0.00	11.36	0	0	0
VTRNA		0.37	19.20	61	0	0
TILLARI		0.37	9.72	60	0	60
BHTGR/VEER		0.50	9.23	21	20	10
BHIRA T.R.		0.30	6.79	80	0	80
RNGR+BHTSA		0.29	7.77	12	12	10
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.42	19.24	25	15	12
GHATGHAR		0.00	6.58	0	0	0
		2.24	101.36			172
PENCH (MS)						
Pench (MS)		0.66	10.01	50	0	
		0.66	10.01			
Wind						
MalharPeth		0.16	5.24			
Vankuswadi		0.38	11.79			
ATIT		0.14	5.03			
Kale		0.15	5.38			
Satara		0.38	8.16			
Shirala		0.13	4.67			
K Mahankal		0.02	3.88			
Supa		0.14	4.57			
Vita		0.62	22.64			
Dondaicha		2.99	83.28			
Sakri		0.44	13.90			
Nandurbar		0.43	11.13			
Khadakale		0.44	14.03			
Khaparale		0.28	9.85			
		6.71	203.54			
CPP						
TOTAL CPP		5.23	127.54			
		5.23	127.54			
Dabhol						
RGPPL		34.77	978.14	1579	1359	1500
		34.77	978.14			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	268.90	415	415	415
Trombay 6		12.04	301.93	510	420	500
Trombay 7A		2.46	74.86	118	68	120
Trombay 7B		1.48	42.29	66	50	60
Trombay 8		6.03	160.37	255	250	250
TATA Hydro		5.75	128.56	461	0	447
		37.72	976.92			1792
REL						
1&2		12.48	338.25	523	516	500
		12.48	338.25			500
Cent Sect						
Share						3166
						3166
MS PG CL	Thermal	98.46	2943.57			3865
	Thml+Gas	114.79	3358.42			4535
	Hydro	35.83	830.21			1342
	Total	150.62	4188.63			5877
State Total		248.19	6823.03			12835

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4031	1778	688	6497	1389	327	212	3083	3122	-378	-351	11246	1914	13160	2332	15492	49.04
2	4060	1296	694	6050	1387	400	210	2988	3065	-283	-266	10896	2428	13324	2181	15505	49.15
3	4081	1434	695	6210	1387	377	210	2882	2977	-188	-146	11065	2343	13408	2026	15434	49.20
4	4092	1681	706	6479	1387	320	205	2798	3265	-188	-142	11514	2040	13554	1990	15544	49.27
5	4106	1932	706	6744	1385	304	208	2752	2806	-139	-89	11358	2126	13484	1878	15362	49.15
6	4161	1943	708	6812	1359	277	205	2725	3106	-105	-79	11680	2479	14159	1918	16077	49.18
7	4194	665	710	5569	1381	217	203	2875	3487	-96	-36	10821	3642	14463	1898	16361	49.41
8	4146	218	701	5065	1444	154	204	2872	3526	-96	-75	10318	3942	14260	1969	16229	49.44
9	4198	207	688	5093	1490	137	208	2973	4132	-191	-175	10885	4195	15080	2256	17336	49.51
10	4139	578	679	5396	1487	139	214	3492	4296	-571	-527	11005	4246	15251	2605	17856	49.46
11	4109	876	674	5659	1480	105	218	3536	4384	-595	-579	11284	4193	15477	2896	18373	49.34
12	4181	1467	674	6322	1474	93	216	3650	4151	-714	-680	11625	4051	15676	3017	18693	49.27
13	4194	1717	661	6572	1472	153	220	3731	4145	-809	-787	11824	3913	15737	3058	18795	49.25
14	4234	1969	654	6857	1467	135	220	3718	4122	-809	-790	12059	3696	15755	3031	18786	49.22
15	4240	1980	656	6876	1459	159	222	3672	3758	-809	-783	11740	3839	15579	3063	18642	49.03
16	4118	1992	662	6772	1464	216	230	3553	3961	-899	-874	11818	4220	16038	3073	19111	49.10
17	3990	1769	675	6434	1470	245	231	3555	4255	-809	-791	11893	4165	16058	3046	19104	49.23
18	4046	1541	676	6263	1481	321	235	3582	4223	-809	-797	11736	3919	15655	2936	18591	49.43
19	4004	1152	674	5830	1478	402	236	3328	3932	-614	-581	11345	4270	15615	2755	18370	49.36
20	3983	1909	679	6571	1579	352	224	3401	3773	-543	-513	12034	4365	16399	2774	19173	49.16
21	3978	2049	644	6671	1483	401	222	3214	3890	-443	-384	12303	3908	16211	2656	18867	49.22
22	4105	1976	674	6755	1481	533	223	3263	3790	-425	-366	12465	3957	16422	2564	18986	49.14
23	4076	1866	678	6620	1445	461	225	3333	3683	-496	-434	12016	3184	15200	2509	17709	49.25
24	3994	1836	677	6507	1441	484	231	3325	3295	-535	-480	11483	3062	14545	2492	17037	49.01
MUs	98.46	35.83	16.33	150.62	34.77	6.71	5.23	78.30	89.14	-11.55	-10.72	276.41	84.10	360.51	60.92	421.43	49.24

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 27/Apr/2010

Position as on 6.30 Hrs of 28/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)	30/12/2010
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	27/04/2010	16.41	Annual Overhaul	
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
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.	
Koradi Unit 3	105	23/04/2010	17.26		Continued.	Hydrogen Leakage.	29/04/2010
Koradi Unit 4	115	25/04/2010	13.46		Continued.	BLR T/L.	29/04/2010
Parli Unit 7	250	27/04/2010	21.30	28/04/2010	03.31	Flame Failure.	
Paras Unit 4	250	28/04/2010	00.43	28/04/2010	04.50	Drum level high.	
Cent_Sect NTPC(K-1)	210	28/04/2010	01.11		Continued.	Generator earth fault.	29/04/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Apr/2010

Position as on 6.30 Hrs of 28/Apr/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 - I	27/04/2010	00.22	27/04/2010	11.42	Oil leakage problem.
Padgha-Tarapur CKT I	27/04/2010	09.20	27/04/2010	19.32	Maintenance work.
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.
Akola - Wardha - I	13/04/2010	00.43		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	27/04/2010	05.45	27/04/2010	11.10	Directional earth fault.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - Nagothane - I	15/04/2010	08.42		Continued.	For Diversion of Dabhol-Nagothane-I.
400/220KV,315MVA ICT-I at Karad	27/04/2010	11.25	27/04/2010	17.19	Fixing of New WT and OT meter.
N.Koyna-jaigad-I	27/04/2010	13.00	27/04/2010	22.06	CVT Replacement
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 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
Lonikand-Khadki	23/04/2010	11.19		Continued.	Overhauling of Breaker.Line on TBC.
Parly - Harangul - I	27/04/2010	07.04	27/04/2010	13.16	Q.M.Work.
220 KV TBC Bay @ Kalwa - II	27/04/2010	09.27	27/04/2010	17.06	R.M.Work.
Kharghar-TSS	27/04/2010	10.26	27/04/2010	19.42	Commissioning of Auto recloser scheme.
Main Bus at 220 KV Hinganghat	27/04/2010	11.20	27/04/2010	16.45	Main Bus Isolator work.
220/132 KV,100 MVA ICT @ Virur.	27/04/2010	12.25	27/04/2010	13.30	To remove oil filtration M/C pipe
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
K'gaon-Dasturi	27/04/2010	08.25	27/04/2010	10.17	Attending Red Hot.
Nasik-Bablsr Ckt II	27/04/2010	09.15	27/04/2010	11.50	Attending Red Hot.
220/110 KV 62.5 MVA T/F - I @ Oglewadi	27/04/2010	11.30	27/04/2010	13.40	Attending Hot Spot.
Voltage Level : 100KV			Outage Type FORCED OUTAGE		
KALWA-SALSET I	27/04/2010	02.22	27/04/2010	07.25	Attending Red Hot.
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	02/04/2010	23.02		Continued.	Hand Tripped.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Apr/2010

Position as on 6.30 Hrs of 28/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
@ Airoli					
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.
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 bushing burst and caught fire.
Voltage Level : 220KV			Outage Type TRIPPED		
Finolex-New Koyna	26/04/2010	23.25	27/04/2010	14.15	Distance Protection.
Peth-Wategaon	27/04/2010	05.45	27/04/2010	06.55	Tripped.
Karad-Mudsingi-IV	27/04/2010	05.45	27/04/2010	07.05	Tripped.
Karad - Mudshingi - III	27/04/2010	05.45	27/04/2010	07.05	Tripped.
Mudsingi-Karad II	27/04/2010	05.45	27/04/2010	06.20	Distance protection.
Talangade-Mudshingi-II	27/04/2010	05.45	27/04/2010	11.25	Directional earth fault.
220/132 KV,50 MVA T/F at Peth	27/04/2010	05.45	27/04/2010	06.43	Tripped.
Talangade - Mudshingi - I	27/04/2010	05.45	27/04/2010	06.35	Tripped on back up protection.
Peth-Mudsingi-I	27/04/2010	05.45	27/04/2010	06.40	Tripped on back up protection
Talandge - Sawantwadi	27/04/2010	13.40	27/04/2010	15.20	Distance Protection
Momewadi -Halkarni	27/04/2010	17.52	27/04/2010	18.32	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.
Yawal-chopda	27/04/2010	10.35	27/04/2010	10.45	Distance Protection.
Ambazari-Arvi	27/04/2010	14.48	27/04/2010	16.47	Tripped on back up protection.
Talegaon-Arvi	27/04/2010	14.48	27/04/2010	14.55	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	76
Unit 2	105	66
Unit 3	105	0
Unit 4	105	0
Unit 5	200	140
Unit 6	210	140
Unit 7	210	150
	1040	572
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	155
Unit 4	210	160
Unit 5	210	145
Unit 6	250	250
Unit 7	250	
	1190	754
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	200
Unit 5	210	210
	870	795
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	61
TILLARI	60	60
BHTGR/VEER	21	21
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	243
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	415
Trombay 6	500	510
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1802
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3386
	3143	3386