



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Apr/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.330	3037.898	1) Madhya Pradesh	60.641	1495.613
2) Hydro	37.329	867.543	2) Gujrat	26.879	757.398
3) Gas	16.361	431.208	3) Goa	-6.139	-189.251
Total MSGENCO	148.020	4336.649	4) TAPS 1&2 (Inj.)	7.136	176.585
B) OTHERS			5) Pench (Excess)	-0.352	-10.366
1) RGPPL Gas	35.488	1013.624	# Total Cent. Sector	88.165	2229.979
2) Wind Generation	7.440	210.978	F) Other Exchanges		
3) CPP	5.338	132.882	1) With TPCL (Excess)	-10.945	-198.826
4) PENCH (MS)	0.352	10.366	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.448	191.019
1) TPCL Thermal	32.072	880.435	Include PX	0.000	18.072
2) TPCL Hydro	4.888	133.448	2) MUMBAI Bilateral	11.883	216.056
TOTAL TPCL	36.960	1013.883	Include PX	4.580	32.692
3) REL Thermal	12.479	350.727	3) MUMBAI Schedule	11.883	218.271
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	138.881	4269.060	1) MSEDCL	273.858	7735.652
2) Hydro (A2+B3+C2)	42.569	1011.357	2) TPCL	39.293	1010.427
3) Gas (A3+B1)	51.849	1444.832	3) REL	21.092	552.969
4) Wind (B2)	7.440	210.978	TOTAL STATE	334.243	9299.048
5) CPP (B3)	5.338	132.882			
TOTAL STATE	246.077	7069.109			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	3975	3887	3798
MSGENCO Hydro	1983	1488	1478
MSGENCO Gas	660	685	679
MSGENCO Total Generation	6618	6060	5955
Central Sector Receipt	3982	4641	3152
RGPPL	1501	1540	1410
WIND	93	272	416
CPP	218	221	234
Exchange with TPCL	-687	-431	-254
MSEDCL DEMAND MET	11774	12327	10913
Load Shedding	4172	4090	2326
MSEDCL DEMAND (INCL. LS)	15946	16417	13239
TPCL GENERATION	1791	1742	1331
REL GENERATION	518	517	522
TPCL+REL DEMAND	2996	2690	2107
STATE DEMAND MET	14770	15017	13020
STATE DEMAND (INCL. LS)	18942	19107	15346
Frequency (Hz)	48.95	49.36	49.01
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6458 MW at 15.00 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
50.2 Hz at 18.04 Hrs	48.61 Hz at 14.10 Hrs	49.18	26.75 % 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 28/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.92	47.23	87	71	76
Unit 2	1.78	29.88	82	61	66
Unit 3	0.00	37.48	0	0	0
Unit 4	0.00	38.00	0	0	0
Unit 5	3.40	81.49	154	128	140
Unit 6	3.45	84.37	169	130	140
Unit 7	3.60	108.83	165	120	150
	14.14	427.27			572
Bhusawal					
Unit 1	0.70	21.16	47	23	25
Unit 2	4.09	108.82	185	150	195
Unit 3	4.60	102.16	195	185	195
	9.39	232.14			415
Parli					
Unit 1	0.57	15.26	26	22	22
Unit 2	0.56	13.92	24	22	22
Unit 3	3.70	35.46	172	137	155
Unit 4	3.64	100.06	160	143	160
Unit 5	3.51	114.88	163	132	145
Unit 6	5.95	164.86	254	236	250
Unit 7	1.30	26.78	153	0	
	19.23	471.22			754
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	4.43	89.77	193	170	180
Unit 4	4.30	119.88	198	0	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
	8.73	678.81			370
Paras					
Unit 2	0.99	23.37	45	36	46
Unit 3	2.54	140.25	245	0	250
Unit 4	3.14	63.09	188	0	
	6.67	226.71			296
Khaparkheda					
Unit 1	4.74	136.78	210	180	210
Unit 2	4.36	122.62	190	175	180
Unit 3	4.45	117.14	196	152	190
Unit 4	4.24	125.40	194	156	190
	17.80	501.94			770
Nasik					
Unit 1	2.09	55.86	94	71	95
Unit 2	2.01	58.91	95	50	90
Unit 3	4.75	124.32	210	179	200
Unit 4	4.75	128.86	209	186	200
Unit 5	4.78	131.85	207	180	210
	18.37	499.80			795
Koyna					
Stage 1-2	7.78	189.54	535	45	600
Stage 4	21.12	440.82	1135	250	250
Stage 3	6.06	133.45	320	0	320
	34.96	763.81			1170
Kovna 12&4 Total	28.90	630.36			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.36	431.21	706	649	660
		16.36	431.21			660
Hydro						
KDPH		0.31	11.66	18	0	0
VTRNA		0.15	19.35	61	0	61
TILLARI		0.35	10.07	60	0	60
BHTGR/VEER		0.49	9.72	21	20	21
BHIRA T.R.		0.27	7.06	81	0	80
RNGR+BHTSA		0.27	8.03	12	10	12
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.53	19.77	29	20	9
GHATGHAR		0.00	6.58	0	0	0
		2.36	103.73			243
PENCH (MS)						
Pench (MS)		0.35	10.37	49	0	
		0.35	10.37			
Wind						
MalharPeth		0.19	5.43			
Vankuswadi		0.41	12.20			
ATIT		0.09	5.12			
Kale		0.14	5.52			
Satara		0.35	8.50			
Shirala		0.10	4.77			
K Mahankal		0.01	3.88			
Supa		0.20	4.78			
Vita		0.30	22.94			
Dondaicha		3.43	86.70			
Sakri		0.57	14.46			
Nandurbar		0.49	11.62			
Khadakale		0.72	14.74			
Khaparale		0.46	10.30			
		7.44	210.98			
CPP						
TOTAL CPP		5.34	132.88			
		5.34	132.88			
Dabhol						
RGPPL		35.49	1013.62	1546	1401	1500
		35.49	1013.62			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	278.86	415	415	415
Trombay 6		12.14	314.07	510	475	510
Trombay 7A		2.53	77.39	119	69	120
Trombay 7B		1.50	43.80	67	51	60
Trombay 8		5.94	166.32	255	203	250
TATA Hydro		4.89	133.45	438	0	447
		36.96	1013.88			1802
REL						
1&2		12.48	350.73	523	517	500
		12.48	350.73			500
Cent Sect						
Share						3386
						3386
MS PG CL	Thermal	94.33	3037.90			3972
	Thml+Gas	110.69	3469.11			4632
	Hydro	37.33	867.54			1413
	Total	148.02	4336.65			6045
State Total		246.08	7069.11			13233

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	3979	1643	673	6295	1409	482	244	3160	3430	-414	-372	11488	1772	13260	2310	15570	49.03
2	3798	1478	679	5955	1410	416	234	3034	3152	-296	-254	10913	2326	13239	2107	15346	49.01
3	3782	1598	689	6069	1401	477	231	2874	3174	-178	-137	11215	2224	13439	1978	15417	49.03
4	3850	1811	691	6352	1414	493	229	2791	3049	-178	-133	11404	2017	13421	1973	15394	49.19
5	3951	1880	695	6526	1412	466	228	2744	2928	-128	-88	11472	2055	13527	1933	15460	49.00
6	4082	1882	703	6667	1409	462	225	2721	2715	-94	-63	11415	2404	13819	1910	15729	48.96
7	4147	753	703	5603	1412	307	221	2878	3027	-86	-51	10519	3625	14144	1933	16077	49.40
8	4201	484	695	5380	1448	206	241	2875	3413	-88	-53	10635	3851	14486	1975	16461	49.40
9	4199	890	690	5779	1466	162	204	2934	3268	-182	-146	10733	4130	14863	2252	17115	49.30
10	4200	1364	680	6244	1471	93	224	3434	3351	-562	-543	10889	4171	15060	2623	17683	49.29
11	4183	1424	667	6274	1496	99	222	3493	3579	-610	-602	11117	4204	15321	2899	18220	49.17
12	3975	1983	660	6618	1501	93	218	3608	3982	-728	-687	11774	4172	15946	2996	18942	48.95
13	3876	1993	662	6531	1490	152	217	3715	4034	-848	-809	11664	4144	15808	2992	18800	48.95
14	3791	1970	649	6410	1483	222	217	3712	4059	-848	-808	11606	4529	16135	2938	19073	48.97
15	3825	1676	649	6150	1482	217	220	3692	3956	-872	-854	11173	4888	16061	2999	19060	48.86
16	3837	1921	657	6415	1495	341	217	3586	3800	-872	-858	11410	4454	15864	3030	18894	48.98
17	3824	1774	661	6259	1508	411	216	3585	3942	-872	-832	11504	4550	16054	2996	19050	49.07
18	3789	1436	695	5920	1527	401	219	3521	4293	-801	-760	11610	4019	15629	2876	18505	49.28
19	3815	1176	690	5681	1543	377	216	3201	4060	-559	-504	11397	4489	15886	2700	18586	49.59
20	3877	1246	684	5807	1539	316	219	3303	4160	-535	-480	11585	4586	16171	2725	18896	49.43
21	3887	1488	685	6060	1540	272	221	3260	4641	-488	-431	12327	4090	16417	2690	19107	49.36
22	3901	1864	693	6458	1544	290	219	3239	4045	-464	-407	12173	3768	15941	2549	18490	49.38
23	3771	1667	705	6143	1546	356	217	3336	4305	-559	-505	12087	3226	15313	2513	17826	49.39
24	3790	1928	706	6424	1542	329	219	3333	3802	-622	-568	11748	3177	14925	2487	17412	49.21
MUs	94.33	37.33	16.36	148.02	35.49	7.44	5.34	78.03	88.16	-11.88	-10.94	273.86	86.87	360.73	60.38	421.11	49.18

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 28/Apr/2010

Position as on 6.30 Hrs of 29/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
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
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.	30/04/2010
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.	30/04/2010
Paras Unit 3	250	28/04/2010	10.59		Continued.	Boiler Tube Leakage	02/05/2010
Parli Unit 7	250	28/04/2010	12.29	28/04/2010	22.37	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Apr/2010

Position as on 6.30 Hrs of 29/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 - II	27/04/2010	12.18		Continued.	Work at SSP end.
Padgha-Tarapur CKT I	28/04/2010	08.36	28/04/2010	20.27	Maint.Work
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.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - Nagothane - I	15/04/2010	08.42	28/04/2010	10.50	For Diversion of Dabhol-Nagothane-I.
400/132KV,200 MVA ICT-II at Bhusawal	28/04/2010	08.06	28/04/2010	13.48	Testing 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 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
Khaperkheda-Purti	28/04/2010	09.11	28/04/2010	14.51	Measurement of Tan Delta of CT
Kanhan - Bhandara - I	28/04/2010	10.08	28/04/2010	12.07	Q.M.Work
Nasik-Bablsr Ckt I	28/04/2010	10.11	28/04/2010	12.05	Attending Hot Spot
220/7KV 40 MVA Stn T/F-II at C'PUR	28/04/2010	10.49		Continued.	Oil Filtration work (4 Days)
Main Bus-I at Lamboti	28/04/2010	14.10	28/04/2010	16.20	Q.M.Work
Lonikand-Khadki	29/04/2010	05.45		Continued.	Conductor replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Koyna IV - Jejuri	28/04/2010	14.33	28/04/2010	18.50	Attending Hot Spot
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, taken on humming on 28/4/2010
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.
Nasik - Ghatghar	28/04/2010	12.32	28/04/2010	13.43	V.T.Fuse Failure
Nasik - Airoli - Knowledge Park	28/04/2010	15.24	28/04/2010	17.35	LILO work
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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Apr/2010

Position as on 6.30 Hrs of 29/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	65
Unit 3	105	0
Unit 4	105	0
Unit 5	200	135
Unit 6	210	140
Unit 7	210	140
	1040	545
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	160
Unit 4	210	160
Unit 5	210	150
Unit 6	250	250
Unit 7	250	
	1190	764
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	166
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	166
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	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	18
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	12
GHATGHAR	250	0
	611	190
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	1450
	960	1450
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1757
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3335
	3143	3335