



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Apr/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Apr/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	134.443	1326.876	1) Madhya Pradesh	53.160	508.232
2) Hydro	20.909	201.981	2) Gujrat	31.239	320.432
3) Gas	15.403	145.359	3) Goa	-6.573	-64.476
Total MSGENCO	170.755	1674.216	4) TAPS 1&2 (Inj.)	6.795	50.070
B) OTHERS			5) Pench (Excess)	-0.274	-3.119
1) RGPPL Gas	30.124	344.147	# Total Cent. Sector	84.347	811.139
2) Wind Generation	3.105	58.882	F) Other Exchanges		
3) CPP	24.493	226.178	1) With TPCL (Excess)	-9.561	-121.333
4) PENCH (MS)	0.274	3.119	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.849	142.099
1) TPCL Thermal	24.096	227.051	Include PX	0.000	0.000
2) TPCL Hydro	0.217	39.770	2) MUMBAI Bilateral	10.137	127.930
TOTAL TPCL	24.313	266.821	Include PX	0.142	13.568
3) REL Thermal	12.630	126.269	3) MUMBAI Schedule	10.137	130.305
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	171.169	1680.196	1) MSEDCL	303.537	2996.348
2) Hydro (A2+B3+C2)	21.400	244.870	2) TPCL	30.123	340.432
3) Gas (A3+B1)	45.527	489.506	3) REL	16.280	173.874
4) Wind (B2)	3.105	58.882	TOTAL STATE	349.940	3510.654
5) CPP (B3)	24.493	226.178			
TOTAL STATE	265.694	2699.632			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5770	5792	5198
MSGENCO Hydro	1105	1090	519
MSGENCO Gas	611	639	660
MSGENCO Total Generation	7486	7521	6377
Central Sector Receipt	4196	3307	3312
RGPPL	1261	1248	1256
WIND	37	141	147
CPP	1000	1019	1003
Exchange with Mumbai	-471	-497	-304
MSEDCL DEMAND MET	13509	12781	11791
Load Shedding (LS)	227	0	0
MSEDCL DEMAND (INCL. LS)	13736	12781	11791
TPCL GENERATION	1025	1126	843
REL GENERATION	525	527	527
TPCL+REL DEMAND	2021	2150	1674
STATE DEMAND MET	15530	14931	13465
Load Management (LM)	1806	3340	1549
Total Load Relief (LS+LM)	2033	3340	1549
UNRESTRICTED STATE DEMAND	17563	18271	15014
Frequency (Hz)	49.89	49.79	49.79

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 17:30 Hrs	49.4 Hz at 05:45 Hrs	49.87	0 % of Time(min)

* 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 10/Apr/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.97	40.04	174	145	180
Unit 6	4.42	44.60	205	151	190
Unit 7	4.01	42.28	190	145	190
	12.40	126.93			560
Bhusawal					
Unit 2	3.98	40.29	175	145	180
Unit 3	4.37	43.34	195	165	185
Unit 4	0.00	0.00	0	0	
	8.34	83.64			365
Parli					
Unit 3	2.10	29.90	178	0	0
Unit 4	4.41	44.48	200	155	165
Unit 5	4.24	41.56	189	146	185
Unit 6	5.62	53.86	245	217	200
Unit 7	4.78	47.70	238	76	210
	21.16	217.49			760
Chandrapur					
Unit 1	3.96	36.91	170	154	165
Unit 2	3.92	36.63	167	158	160
Unit 3	4.35	43.47	197	134	200
Unit 4	3.49	41.73	160	132	135
Unit 5	10.06	107.66	470	310	400
Unit 6	9.78	106.29	460	310	400
Unit 7	10.09	93.71	466	360	350
	45.65	466.38			1810
Paras					
Unit 3	5.75	40.35	249	223	230
Unit 4	5.81	55.81	252	193	230
	11.56	96.16			460
Khaparkheda					
Unit 1	4.69	47.11	210	180	200
Unit 2	4.16	34.41	186	152	180
Unit 3	4.73	49.38	219	172	190
Unit 4	5.04	52.11	222	193	210
Unit 5	0.00	0.00	0	0	
	18.62	183.01			780
Nasik					
Unit 1	1.89	14.92	91	0	90
Unit 2	1.96	17.06	86	79	90
Unit 3	4.54	42.56	195	180	190
Unit 4	4.16	40.72	198	154	200
Unit 5	4.17	38.01	189	155	180
	16.71	153.27			750
Uran					
All Units	15.40	145.36	673	609	640
	15.40	145.36			640
Dabhol					
RGPPL	30.12	344.15	1275	1225	1300
	30.12	344.15			1300
Koyna					
Stage 1-2	5.26	44.44	505	40	600
Stage 4	9.44	79.07	841	0	250
Stage 3	2.78	26.59	240	0	320
	17.48	150.10			1170
Kovna 12&4 Total	14.70	123.50			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	4.54	19	19	19
VTRNA	1.11	11.54	61	0	60
TILLARI	0.30	3.64	60	0	60
BHTGR/VEER	0.05	3.82	3	2	14
BHIRA T.R.	0.22	2.74	81	0	80
RNGR+BHTSA	0.35	3.49	15	14	10
BHANDARDRA	0.00	4.30	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.96	9.27	47	36	20
GHATGHAR	0.00	8.56	0	0	0
	3.43	51.89			263
PENCH (MS)					
Pench (MS)	0.27	3.12	52	0	
	0.27	3.12			
Wind					
MalharPeth	0.04	2.16			
Vankuswadi	0.20	4.62			
ATIT	0.03	1.44			
Kale	0.04	1.79			
Satara	0.30	4.46			
Shirala	0.06	2.11			
K Mahankal	0.01	1.69			
Supa	0.03	0.99			
Vita	0.62	7.35			
Dondaicha	1.16	20.94			
Sakri	0.16	3.24			
Nandurbar	0.21	2.66			
Khandke	0.20	2.71			
Khaparale	0.04	2.72			
	3.10	58.88			
CPP					
JSW JAIGAD	14.48	134.40	606	601	550
WARDHA	5.73	49.48	247	215	240
Other CPPs	4.29	42.30			
	24.49	226.18			790
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.91	93.72	490	325	490
Trombay 6	3.60	45.56	150	150	500
Trombay 7A	2.90	29.16	123	118	120
Trombay 7B	1.59	15.86	67	66	60
Trombay 8	5.10	42.74	250	155	250
TATA Hydro	0.22	39.77	62	0	447
	24.31	266.82			1867
REL					
1&2	12.63	126.27	528	525	500
	12.63	126.27			500
Cent Sect					
Share					3288
					3288

MS PG CL	Thermal	134.44	1326.88			5485
	Thml+Gas	149.85	1472.24			6125
	Hydro	20.91	201.98			1433
	Total	170.76	1674.22			7558
State Total		265.69	2699.63			15303

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Apr/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	5166	948	657	6771	1266	141	994	3018	3393	-480	-440	12147	1983	12147	2029	16159	49.78
2	5137	808	657	6602	1259	152	998	2938	3257	-405	-332	11942	1890	11942	1876	15708	49.79
3	5168	786	659	6613	1258	143	1004	2925	3108	-397	-338	11788	1646	11788	1754	15188	49.83
4	5198	519	660	6377	1256	147	1003	2893	3312	-362	-304	11791	1549	11791	1674	15014	49.79
5	5264	757	667	6688	1254	148	1003	2845	3151	-314	-278	11966	1646	11966	1622	15234	49.72
6	5388	1493	662	7543	1257	164	1009	2693	2743	-154	-176	12540	1867	12540	1672	16079	49.67
7	5548	1303	673	7524	1271	118	1028	2922	2889	-150	-89	12741	2016	12879	1631	16388	49.98
8	5623	1226	671	7520	1272	75	1026	3073	3397	-314	-221	13069	2027	13218	1682	16778	50.00
9	5692	880	658	7230	1268	37	1026	3025	4246	-314	-308	13499	2062	13683	1729	17290	49.91
10	5642	1041	635	7318	1275	34	1031	3040	3578	-376	-333	12903	2138	13100	1857	16898	49.91
11	5666	873	638	7177	1271	51	1030	3116	4278	-456	-424	13383	2018	13619	1975	17376	49.91
12	5770	1105	611	7486	1261	37	1000	3159	4196	-499	-471	13509	2033	13736	2021	17563	49.89
13	5761	1159	609	7529	1257	25	1035	3149	4301	-490	-493	13654	2026	13873	2048	17728	49.92
14	5853	1059	621	7533	1259	53	1035	3149	3933	-490	-496	13317	2002	13512	2050	17369	50.06
15	5823	1014	618	7455	1249	78	1035	3115	4073	-447	-459	13431	2020	13624	2014	17465	49.98
16	5877	1010	613	7500	1249	202	1025	3110	3711	-432	-434	13253	1937	13427	1994	17184	49.93
17	5849	1017	617	7483	1250	123	1031	3096	3906	-418	-508	13285	1959	13450	2107	17351	49.94
18	5848	541	637	7026	1259	189	1031	3096	3459	-418	-429	12535	2261	12706	1986	16782	50.12
19	5823	226	639	6688	1250	86	1025	2995	3208	-466	-436	11821	3110	11910	2000	16931	49.85
20	5792	1090	639	7521	1248	141	1019	3195	3307	-533	-497	12781	3340	12781	2150	18271	49.79
21	5692	959	637	7288	1246	134	1026	3241	3229	-581	-542	12429	3351	12429	2207	17987	49.83
22	5694	586	634	6914	1237	289	1031	3241	3340	-581	-536	12327	3351	12327	2170	17848	49.79
23	5652	213	644	6509	1227	292	1027	3075	3150	-531	-531	11726	3351	11726	2143	17220	49.75
24	5517	296	647	6460	1225	246	1021	2958	3182	-531	-486	11700	2957	11700	2113	16770	49.68
MUs	134.44	20.91	15.40	170.76	30.12	3.10	24.49	73.07	84.35	-10.14	-9.56	303.54	54.54	305.87	46.50	404.58	49.87

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 10/Apr/2011

Position as on 6.30 Hrs of 11/Apr/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation Work.	27/04/2011
Cent_Sect NTPC(K-3)	210	31/03/2011	23.46		Continued.	Annual Overhaul	30/04/2011
Cent_Sect sipat-5	500	01/04/2011	00.14		Continued.	Annual Overall.	25/04/2011
Cent_Sect NTPC(V-4)	210	10/04/2011	00.01		Continued.	Annual overhaul.	10/05/2011
FORCED OUTAGE							
CPP WPCL U-3	135	07/04/2011	19.17	10/04/2011	08.44	ID Fan Problem	
Parli Unit 3	210	08/04/2011	00.07	10/04/2011	06.35	Extension of Boiler Validity.	
Dabhol 2A	230	08/04/2011	17.40		Continued.	Fine protection system trouble.	11/04/2011
Koyna Unit 6	75	10/04/2011	07.00	10/04/2011	17.20	Preventative maintenance work.	
Parli Unit 3	210	10/04/2011	07.38	10/04/2011	10.30	Low vaccume.	
Cent_Sect NTPC(K-7)	500	10/04/2011	07.45		Continued.	Boiler tube leakage.	13/04/2011
CPP WPCL U-3	135	10/04/2011	10.55	10/04/2011	12.13	Tripped on exitation problem.	
Nasik Unit 1	125	10/04/2011	22.50		Continued.	Boiler tube leakage.	14/04/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Apr/2011

Position as on 6.30 Hrs of 11/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	03/04/2011	09.10		Continued.	LILO work of 220KV Borivali-Boiser at 220KV Ghodbander.(up to 20.04.2011)
Bhoisor-Bhoisor(PGCIL)-I	10/04/2011	08.33	10/04/2011	12.55	Attending hot spot.
Bhoisor - Bhoisor PGCIL-II	10/04/2011	13.50	10/04/2011	18.34	Attending hot spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	08/04/2011	10.35		Continued.	Replacement of relay & control pannel.up to 15.04.2011.
Pench - Kanhan	08/04/2011	10.39		Continued.	Replacement of relay & control pannel.Up to 15.04.2011.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	08/04/2011	23.29	10/04/2011	08.57	Over Voltage.
Dhule-Sar'Sarovar - I	10/04/2011	00.10		Continued.	Over Voltage.
Akola - Wardha - I	10/04/2011	22.08	11/04/2011	05.47	Over Voltage
Kolhapur - Mapusa - II	10/04/2011	22.15		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
Bhadravati HVDC Pole - I	07/04/2011	22.33	10/04/2011	22.04	Filter L A Burst.
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni-Amona I	09/04/2011	17.05	10/04/2011	18.49	Distance protection,B-Ph Tripped declared faulty.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of BSL-KORDY at BSL end	18/03/2011	12.51		Continued.	O/H work up to 12.04.2011.
400/132KV 200 MVA ICT-II @ Bhusawal	06/04/2011	08.44		Continued.	Replacement of 132KV Side Bus-I & II Isolators of 200MVA 400/132KV ICT-II Under LES Scheme.LV side taken on TBC.
Padgha - Chakan	07/04/2011	07.00		Continued.	LILO Arrangement @ 400 KV Talegaon PG S/S.(Outage Till 14.04.11)
TBC at 400KV Aurangabad	10/04/2011	11.27	10/04/2011	17.00	Maintenance work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
220/110 KV 100 MVA T/F - II @ Mudshingi	07/02/2011	15.12		Continued.	Augmentation by 200 MVA.Kept on Humming @ 16.15 Hrs dt 15.04.2011
220/7 KV 20 MVA Stn.T/F-II at Korady	31/03/2011	10.47		Continued.	Oil Leakage.
Borivali-Boisar	03/04/2011	09.48		Continued.	LILO work of 220KV Borivali-Boiser at 220KV Ghodbandar(Up to 20/4/11)
TBC Breaker at Talangade	08/04/2011	09.30		Continued.	Overhauling of C.B.Up to 12.04.2011.
220/132 KV 200 MVA ICT-I @ Satana	09/04/2011	07.05	10/04/2011	00.10	Y ph.bushing replacement.
220/33 KV 100 MVA T/F - I @ Ghodbandar	10/04/2011	06.10		Continued.	Annual maintenance work.
Aarey-Borivali-II	10/04/2011	10.13	10/04/2011	15.45	Annual maintenance work.
220/132KV,200MVA T/F-I at Lonand	10/04/2011	13.20	10/04/2011	14.01	Oil leakage.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Apr/2011

Position as on 6.30 Hrs of 11/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Borivali - Borivali - I	10/04/2011	11.37	10/04/2011	20.25	Attending hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	09/04/2011	21.17	10/04/2011	05.28	Over Voltage.
Karad - Kolhapur - II	09/04/2011	21.36	10/04/2011	06.35	Over Voltage.
Bhusawal- Aurangabad	10/04/2011	20.16	11/04/2011	05.52	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Abhijeet II	05/03/2011	07.49		Continued.	To control 220KV A'zari-AEPL loading.
Babaleshwar - Bhenda	05/03/2011	20.47		Continued.	To control BBLSR ICT Load
Chandrapur-Warora - I	08/04/2011	08.00		Continued.	To control Wrrahnght L/L.
BBLSR-Waluj	09/04/2011	10.14		Continued.	To control A'bad ICT Loading.
Dhule-Chalisgaon	09/04/2011	15.54		Continued.	H/T to control Dhule ICTs over loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salsette - II	05/04/2011	10.56		Continued.	From Kalwa End
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Kolhapur-II	10/04/2011	18.21		Continued.	Direct trip, auto reclose lockout.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip, Diff. Prot. operated, PRV tripped
220/132KV, 50 MVA T/F-I at Chakan	10/04/2011	07.03		Continued.	Differential protection.
Chinchwad-Parvati	10/04/2011	13.17	10/04/2011	13.30	Distance protection
Talandge - Sawantwadi	10/04/2011	18.31	10/04/2011	22.59	Distance protection
Karad - Miraj	10/04/2011	21.17	10/04/2011	21.32	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Kankawali-Kudal	10/04/2011	19.10	10/04/2011	19.25	Tripped at Kankawali end
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Kalyan	10/04/2011	16.05	10/04/2011	16.30	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Apr/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	180
Unit 7	210	175
	620	490
Bhusawal		
Unit 2	210	180
Unit 3	210	185
Unit 4	0	
	420	365
Parli		
Unit 3	210	185
Unit 4	210	190
Unit 5	210	190
Unit 6	250	240
Unit 7	250	240
	1130	1045
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	170
Unit 4	210	135
Unit 5	500	460
Unit 6	500	460
Unit 7	500	450
	2340	2000
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	210
Unit 5	0	
	840	790
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	190
Unit 4	210	200
Unit 5	210	180
	870	660
Uran		
All Units	852	640
	852	640
Dabhol		
RGPP	1940	1300
	1940	1300
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	247
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	550
WARDHA	405	240
Other CPPs	0	
	1005	790
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3302
	3455	3302