



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Mar/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Mar/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	135.049	4004.958	1) Madhya Pradesh	61.040	1611.763
2) Hydro	22.125	634.288	2) Gujrat	32.035	906.023
3) Gas	11.629	429.787	3) Goa	-7.048	-194.075
Total MSGENCO	168.803	5069.033	4) TAPS 1&2 (Inj.)	0.000	96.841
B) OTHERS			5) Pench (Excess)	-0.446	-7.919
1) RGPPL Gas	37.701	927.456	# Total Cent. Sector	85.581	2412.633
2) Wind Generation	6.018	127.167	F) Other Exchanges		
3) CPP	24.443	727.417	1) With TPCL (Excess)	-11.815	-307.077
4) PENCH (MS)	0.446	7.919	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	13.328	400.611
1) TPCL Thermal	26.797	735.316	Include PX	0.000	0.000
2) TPCL Hydro	5.103	124.718	2) MUMBAI Bilateral	11.025	304.627
TOTAL TPCL	31.900	860.034	Include PX	1.804	52.312
3) REL Thermal	12.686	380.374	3) MUMBAI Schedule	11.025	304.627
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	174.532	5120.648	1) MSEDCL	311.177	8964.548
2) Hydro (A2+B3+C2)	27.674	766.925	2) TPCL	36.993	1024.755
3) Gas (A3+B1)	49.330	1357.243	3) REL	19.405	522.530
4) Wind (B2)	6.018	127.167	TOTAL STATE	367.575	10511.833
5) CPP (B3)	24.443	727.417			
TOTAL STATE	281.997	8099.400			

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	5624	5604	5563
MSGENCO Hydro	1258	1272	169
MSGENCO Gas	468	471	504
MSGENCO Total Generation	7350	7347	6236
Central Sector Receipt	3958	3639	2953
RGPPL	1631	1477	1545
WIND	153	231	315
CPP	1178	941	1009
Exchange with Mumbai	-699	-521	-357
MSEDCL DEMAND MET	13571	13164	11701
Load Shedding (LS)	251	23	0
MSEDCL DEMAND (INCL. LS)	13822	13187	11701
TPCL GENERATION	1701	1497	982
REL GENERATION	530	531	529
TPCL+REL DEMAND	2930	2549	1868
STATE DEMAND MET	16501	15713	13569
Load Management (LM)	2225	3410	2009
Total Load Relief (LS+LM)	2476	3433	2009
UNRESTRICTED STATE DEMAND	18977	19146	15578
Frequency (Hz)	49.85	49.86	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 18.22 Hrs	49.25 Hz at 18.55 Hrs	49.92	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 30/Mar/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.22	106.67	185	170	180
Unit 6	4.48	115.12	195	165	190
Unit 7	4.70	123.78	205	185	200
	13.40	345.58			570
Bhusawal					
Unit 2	4.08	109.80	180	150	170
Unit 3	4.22	130.61	195	160	185
Unit 4			0	0	
	8.30	240.41			355
Parli					
Unit 3	3.67	125.94	200	0	165
Unit 4	4.47	125.68	195	158	190
Unit 5	4.10	120.53	189	140	180
Unit 6	5.08	128.58	242	159	220
Unit 7	3.65	125.94	233	115	220
	20.97	626.68			975
Chandrapur					
Unit 1	3.80	116.76	165	145	160
Unit 2	3.89	117.35	168	155	160
Unit 3	4.21	101.57	186	152	190
Unit 4	4.42	130.21	193	170	180
Unit 5	11.16	337.21	485	450	430
Unit 6	11.17	323.92	480	435	430
Unit 7	11.31	321.81	490	415	480
	49.96	1448.82			2030
Paras					
Unit 3	5.72	158.57	257	195	250
Unit 4	5.90	145.14	260	220	250
	11.62	303.71			500
Khaparkheda					
Unit 1	5.01	142.56	215	205	210
Unit 2	4.80	138.87	204	196	210
Unit 3	0.00	138.34	0	0	0
Unit 4	5.12	155.28	223	163	210
Unit 5			0	0	
	14.93	575.04			630
Nasik					
Unit 1	1.93	39.79	89	56	81
Unit 2	1.93	52.89	91	73	81
Unit 3	4.38	128.46	200	150	162
Unit 4	3.99	130.60	190	150	172
Unit 5	3.63	112.98	169	98	162
	15.86	464.72			658
Uran					
All Units	11.63	429.79	510	465	475
	11.63	429.79			475
Dabhol					
RGPPL	37.70	927.46	1672	1474	1500
	37.70	927.46			1500
Koyna					
Stage 1-2	5.92	125.87	550	40	600
Stage 4	7.31	260.75	872	0	250
Stage 3	2.66	82.61	320	0	320
	15.90	469.23			1170
Kovna 12&4 Total	13.23	386.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	11.72	19	18	18
VTRNA	0.79	31.25	61	0	60
TILLARI	0.35	11.78	60	0	60
BHTGR/VEER	0.40	8.12	17	16	16
BHIRA T.R.	0.31	7.18	83	0	80
RNGR+BHTSA	0.34	10.71	15	14	15
BHANDARDRA	0.80	10.58	35	33	12
ELDARY	0.00	8.46	0	0	0
SMLHY PTN	1.01	29.24	43	42	0
GHATGHAR	1.76	36.02	250	0	0
	6.23	165.06			261
PENCH (MS)					
Pench (MS)	0.45	7.92	50	0	0
	0.45	7.92			0
Wind					
MalharPeth	0.11	3.92			
Vankuswadi	0.33	10.28			
ATIT	0.06	1.79			
Kale	0.18	3.89			
Satara	0.14	6.66			
Shirala	0.18	4.07			
K Mahankal	0.58	6.55			
Supa	0.23	3.70			
Vita	0.91	18.23			
Dondaicha	1.61	40.09			
Sakri	0.68	7.26			
Nandurbar	0.17	5.19			
Khandke	0.62	9.68			
Khaparale	0.24	5.85			
	6.02	127.17			
CPP					
JSW JAIGAD	12.48	332.15	560	466	550
WARDHA	4.98	211.15	351	0	352
Other CPPs	6.98	184.12			
	24.44	727.42			902
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.74	308.27	490	475	500
Trombay 6	5.29	146.38	425	150	500
Trombay 7A	2.89	87.08	125	115	120
Trombay 7B	1.62	48.32	68	67	60
Trombay 8	5.26	145.26	250	150	250
TATA Hydro	5.10	124.72	447	0	447
	31.90	860.03			1877
REL					
1&2	12.69	380.37	531	512	500
	12.69	380.37			500
Cent Sect					
Share					3291
					3291

MS PG CL	Thermal	135.05	4004.96		5718
	Thml+Gas	146.68	4434.74		6193
	Hydro	22.12	634.29		1431
	Total	168.80	5069.03		7624
State Total		282.00	8099.40		15694

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Mar/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	5515	174	496	6185	1545	209	1032	3105	3199	-533	-551	11619	3116	11619	2062	16797	49.90
2	5529	164	497	6190	1547	355	1013	2985	2860	-417	-426	11539	3116	11539	1938	16593	50.08
3	5563	169	504	6236	1545	315	1009	2913	2953	-346	-357	11701	2009	11701	1868	15578	49.98
4	5593	169	510	6272	1545	298	1016	2834	3287	-273	-286	12132	1660	12132	1799	15591	50.14
5	5635	302	499	6436	1546	266	1046	2832	3476	-273	-282	12488	1758	12488	1780	16026	49.97
6	5691	654	506	6851	1597	290	1072	2832	3366	-273	-287	12889	2135	12949	1788	16812	49.87
7	5790	966	505	7261	1670	267	1147	2928	3284	-323	-345	13284	2477	13493	1863	17624	50.02
8	5796	1044	503	7343	1672	254	1165	2971	3297	-373	-394	13337	2485	13554	1984	17806	50.05
9	5702	880	495	7077	1664	225	1161	2982	3704	-398	-417	13414	2448	13594	2204	18066	49.93
10	5717	876	486	7079	1652	205	1172	2967	3877	-444	-464	13521	2443	13699	2565	18529	49.87
11	5648	859	477	6984	1642	209	1166	3187	4018	-655	-688	13331	2446	13548	2845	18622	49.89
12	5624	1258	468	7350	1631	153	1178	3231	3958	-701	-699	13571	2476	13822	2930	18977	49.85
13	5586	1400	470	7456	1623	145	1214	3274	4094	-678	-765	13767	2485	14027	2933	19185	49.83
14	5611	1593	470	7674	1621	135	894	3250	4161	-655	-716	13777	2438	13990	2829	19044	49.91
15	5642	1962	468	8072	1608	186	863	3033	3570	-449	-506	13840	2238	14026	2769	18847	49.69
16	5642	1935	468	8045	1618	229	852	3033	3674	-449	-499	13969	2151	14068	2808	18928	49.83
17	5622	1902	470	7994	1601	267	849	3218	3867	-571	-674	13954	2058	13986	2687	18699	49.83
18	5625	1969	468	8062	1479	296	845	3191	3760	-395	-446	14046	1832	14074	2534	18412	49.82
19	5562	872	465	6899	1474	396	902	3258	3548	-395	-397	12872	3026	12897	2451	18349	49.91
20	5604	1272	471	7347	1477	231	941	3336	3639	-464	-521	13164	3433	13187	2549	19146	49.86
21	5608	614	478	6700	1477	351	955	3281	3878	-408	-436	12972	3430	12992	2439	18841	50.04
22	5630	493	482	6605	1477	260	954	3237	3559	-421	-448	12454	3420	12464	2346	18220	49.91
23	5556	362	487	6405	1477	207	989	3264	3403	-559	-598	11926	3410	11926	2228	17564	49.86
24	5557	236	486	6279	1513	269	1008	3151	3149	-573	-613	11609	3410	11609	2202	17221	49.97
MUs	135.05	22.12	11.63	168.80	37.70	6.02	24.44	74.29	85.58	-11.03	-11.82	311.18	61.90	313.38	56.40	429.48	49.92

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 30/Mar/2011

Position as on 6.30 Hrs of 31/Mar/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 2	80	04/03/2011	01.25		Continued.	Refueling Work.	04/04/2011
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation Work.	27/04/2011
Cent_Sect Tarapur 1	80	22/03/2011	22.18		Continued.	7 Days Maint.Work.	29/03/2011
FORCED OUTAGE							
Khaparkheda Unit 3	210	28/03/2011	19.58	31/03/2011	05.58	Boiler Tube Leakage	
Parli Unit 3	210	29/03/2011	13.57	30/03/2011	01.53	R Ph C T Jump Broken.	
Uran Unit 5	108	30/03/2011	00.05	30/03/2011	02:05	BOILER PROT.	
Uran Unit 5	108	30/03/2011	02:56		Continued.	Excitation Tr. feeder prot. fault	01/04/2011
CPP WPCL U-1	135	30/03/2011	13.04	30/03/2011	17.38	Bus Bar Protection Operated @ WPCL Unit.	
CPP WPCL U-2	135	30/03/2011	13.04	30/03/2011	20.39	Bus Bar Protection Operated @ WPCL Unit.	
CPP WPCL U-3	135	30/03/2011	13.04		Continued.	Bus Bar Protection Operated @ WPCL Unit.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Mar/2011

Position as on 6.30 Hrs of 31/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	28/03/2011	15.09	30/03/2011	06.39	Over Voltage
Dhule-Sar'Sarovar - II	30/03/2011	01.22	30/03/2011	12.43	Over Voltage.
Dhule-S'Sarovar I	30/03/2011	17.44		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	31/03/2011	00.04		Continued.	Over Voltage.
Akola - Wardha - I	31/03/2011	00.33		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	30/03/2011	12.15	30/03/2011	12.43	Distance protection.
Kalmeshwar - Pandurna	30/03/2011	12.50	30/03/2011	17.05	Distance protection.
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 10.04.2011.
Lonikand-Karad	20/03/2011	07:45	30/03/2011	13.22	Errection of 2 Nos. of In line towers at Loc. No. 328 (Up to 29/3/11)
50 MVAR Reactor of Parli-Chandrapur - III	28/03/2011	07.21		Continued.	Oil Filtration Work.
400/220 KV 315 MVA ICT-III @ Lonikand.	28/03/2011	11.08		Continued.	Breaker O/H work,HV side on TBC
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
Borivali-Mulund	06/02/2011	22.17		Continued.	From Borivali end for strengthing Mumbai system up to 30.03.11
220/110 KV 100 MVA T/F - II @ Mudshingi	07/02/2011	15.12		Continued.	Augmentation by 200 MVA.up to 30/03/11
220/132 KV 150 MVA ICT-I @ Dhule	26/02/2011	10.55		Continued.	Repl.of 150MVA ICT by 200MVA ICT up to 31.03.2011
220/100KV 125 MVA ICT-II @ Kalwa	28/02/2011	11.10		Continued.	Augmetation to 200 MVA up to 31.03.2011.
220/100 KV 125MVA ICT-II @ Borivali	19/03/2011	09.30		Continued.	Augmentation by 200MVA.
220/132 KV100 MVA ICT-I @ Chalisgaon	19/03/2011	14.26		Continued.	Augmentation from 100 to 200 MVA ICT (up to 31.03.2011)
220/132 KV 200 MVA ICT - II @ Bhusawal	29/03/2011	07.50		Continued.	Replacement of Isolators,ICT on TBC.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
LV CB of 400/220 kV 315 MVA ICT-1 @ Parli	11/02/2011	22:43		Continued.	PDR problem (ICT LV side is on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	29/03/2011	22.27	30/03/2011	03.28	Over Voltage.
Karad - Kolhapur - II	30/03/2011	00.08	30/03/2011	09.03	Over Voltage.
Bhusawal- Aurangabad	30/03/2011	21.48	31/03/2011	05.36	Over Voltage.
Karad - Kolhapur - I	30/03/2011	21.56		Continued.	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	11/03/2011	21.53		Continued.	To control Warora-Hinganghat loading.
Dhule-Chalisgaon	23/03/2011	12.48		Continued.	To Control Dhule ICT Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Mar/2011

Position as on 6.30 Hrs of 31/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Hingoli-Pusad	28/03/2011	06.17		Continued.	To control Load on Wardha-Yavatmal line
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 - Salshet - I	18/02/2011	10.56		Continued.	From Kalwa End
Voltage Level : 400KV			Outage Type TRIPPED		
Newkoyana - Jaigad - I	31/03/2011	05.12		Continued.	Distance Protection,R Ph.Z-I,Declared Faulty.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Wathar	30/03/2011	05.14	30/03/2011	14.58	Distance Protection.
Warora - Wardha Power - II	30/03/2011	13.04	30/03/2011	13.27	Bus bar protection operatd at WPCL end.
Warora-Wardha	30/03/2011	13.04	30/03/2011	14.25	Bus Bar protection operated at WPCL end.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Mar/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	170
Unit 6	210	190
Unit 7	210	195
	620	555
Bhusawal		
Unit 2	210	180
Unit 3	210	175
Unit 4	0	
	420	355
Parli		
Unit 3	210	192
Unit 4	210	125
Unit 5	210	150
Unit 6	250	210
Unit 7	250	128
	1130	805
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	190
Unit 5	500	480
Unit 6	500	480
Unit 7	500	480
	2340	2160
Paras		
Unit 3	250	200
Unit 4	250	220
	500	420
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	0
Unit 4	210	210
Unit 5	0	
	840	630
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	162
Unit 4	210	172
Unit 5	210	162
	870	658
Uran		
All Units	852	470
	852	470
Dabhol		
RGPP	1940	1500
	1940	1500
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	60
TILLARI	60	60
BHTGR/VEER	21	15
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	5
GHATGHAR	250	0
	611	284
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	352
Other CPPs	0	
	1005	902
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3378
	3455	3378