



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Oct/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.092	2864.955	1) Gujrat	6.766	377.160
2) Hydro	7.983	512.991	2) Madhya Pradesh	21.066	642.161
3) Gas	15.486	449.890	3) Chattisgarh	14.120	379.640
Total MSGENCO	122.561	3827.836	4) Maharashtra	48.847	1305.309
B) OTHERS			5) Goa	-6.955	-187.758
1) JSW JAIGAD	28.680	673.356	6) TAPS 1&2 Injection	6.265	222.828
2) WPCL	8.885	280.595	7) RGPPL Injection	32.189	467.742
3) Other CPP / IPP	3.127	141.976	8) Pench (Excess)	-0.868	-16.294
4) Wind Generation	3.713	101.070	# Total Cent. Sector	121.430	3190.788
5) PENCH (MS)	0.868	17.087	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.198	-303.345
1) TPCL Thermal	28.264	898.975	G) Bilateral Power *		
2) TPCL Hydro	6.131	100.036	1) MSEDCL Bilateral	37.432	970.109
TOTAL TPCL	34.395	999.011	Include PX	0.688	176.100
3) REL Thermal	12.564	387.624	2) MUMBAI Bilateral	11.911	364.432
D) STATE			Include PX	1.375	27.351
1) Thermal (A1+C1+C3)	139.920	4151.554	3) MUMBAI Schedule	11.911	365.457
2) Hydro (A2+B5+C2)	14.982	630.114	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.486	449.890	1) MSEDCL	280.066	8512.300
4) Wind (B4)	3.713	101.070	2) TPCL	37.834	1125.912
5) CPP (B1+B2+B3)	40.692	1095.927	3) REL	18.319	564.498
TOTAL STATE	214.793	6428.555	TOTAL STATE	336.219	10202.710

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4197	3950	4077
MSGENCO Hydro	313	890	76
MSGENCO Gas	633	641	661
MSGENCO Total Generation	5143	5481	4814
Central Sector Receipt	5704	5243	4661
WIND	135	114	231
CPP / IPP	1706	1703	1691
Exchange with Mumbai	-419	-485	-224
MSEDCL DEMAND MET	12294	12103	11102
Load Shedding (LS)	1748	1182	346
MSEDCL DEMAND (INCL. LS)	14042	13285	11448
TPCL GENERATION	1849	1742	922
REL GENERATION	527	525	521
TPCL+REL DEMAND	2795	2752	1667
STATE DEMAND MET	15089	14855	12769
Load Management (LM)	2256	3534	1516
Total Load Relief (LS+LM)	4004	4716	1862
UNRESTRICTED STATE DEMAND	19093	19571	14631
Frequency (Hz)	49.77	49.78	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 21.19 Hrs	49.05 Hz at 08.14 Hrs	49.79	.61 % 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 31/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.42	94.46	155	115	145
Unit 6	4.14	95.26	186	154	170
Unit 7	0.00	22.85	0	0	0
Total	7.56	212.56			315
Bhusawal					
Unit 2	3.32	39.43	155	105	130
Unit 3	2.56	95.30	170	0	0
Unit 4	0.00	3.62	0	0	0
Total	5.88	138.36			130
Parli					
Unit 3	0.00	85.62	0	0	0
Unit 4	4.10	48.76	183	160	170
Unit 5	2.73	90.19	132	103	105
Unit 6	4.32	94.23	228	157	155
Unit 7	4.28	50.13	217	156	150
Total	15.43	368.94			580
Chandrapur					
Unit 1	3.31	117.87	167	0	165
Unit 2	2.23	99.34	149	0	145
Unit 3	4.44	129.96	192	169	180
Unit 4	4.74	63.16	205	190	200
Unit 5	10.52	261.45	480	385	440
Unit 6	10.14	254.99	470	290	440
Unit 7	0.00	246.21	0	0	0
Total	35.38	1172.99			1570
Paras					
Unit 3	4.06	100.35	208	143	150
Unit 4	3.92	75.98	200	126	150
Total	7.98	176.33			300
Khaparkheda					
Unit 1	3.29	119.85	170	85	170
Unit 2	3.70	93.84	174	131	170
Unit 3	4.10	125.92	182	147	180
Unit 4	4.24	132.23	184	161	180
Unit 5	0.00	31.95	0	0	0
Total	15.33	503.80			700
Nasik					
Unit 3	4.02	104.79	185	145	180
Unit 4	4.13	92.06	184	158	180
Unit 5	3.39	95.12	171	108	150
Total	11.53	291.97			510
Uran					
All Units	15.49	449.89	666	615	630
Total	15.49	449.89			630
PENCH (MS)					
Pench (MS)	0.87	17.09	51	24	
Total	0.87	17.09			
Koyna					
Stage 1-2	2.42	151.64	465	40	600
Stage 4	1.25	218.31	391	0	250
Stage 3	0.91	80.50	188	0	320
Total	4.58	450.45			1170
Kovna 12&4 Total	3.67	369.95			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	1.27	0	0	0
TILLARI	0.47	12.41	60	0	60
BHTGR/VEER	0.06	2.44	3	2	2
BHIRA T.R.	0.10	7.59	41	0	40
RNGR+BHTSA	0.35	10.17	15	13	14
BHANDARDRA	0.00	2.23	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.52	13.39	29	18	11
GHATGHAR	1.90	11.64	250	0	0
Total	3.41	62.54			127
Wind					
MalharPeth	0.49	7.16			
Vankuswadi	0.51	13.05			
ATIT	0.15	2.21			
Kale	0.22	4.37			
Satara	0.50	14.99			
Shirala	0.25	5.01			
K Mahankal	0.30	6.58			
Supa	0.08	2.69			
Vita	0.90	17.20			
Dondaicha	0.00	9.82			
Sakri	0.05	2.57			
Nandurbar	0.04	1.83			
Khandke	0.17	8.54			
Khaparale	0.05	5.04			
Total	3.71	101.07			
CPP					
JSW JAIGAD	28.68	673.36	1224	1100	1100
WARDHA	8.88	280.60	433	341	360
Other CPPs	3.13	141.98			
Total	40.69	1095.93			1460
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.26	349.34	490	335	500
Trombay 6	7.22	243.09	490	155	500
Trombay 7A	2.44	81.53	121	68	120
Trombay 7B	1.46	46.02	66	51	60
Trombay 8	5.90	178.98	246	245	250
TATA Hydro	6.13	100.04	459	0	447
Total	34.40	999.01			1877
REL					
1&2	12.56	387.62	527	517	500
Total	12.56	387.62			500
Cent Sect					
Share					5534
Total					5534

MS PG CL	Thermal	99.09	2864.96			4105
	Thml+Gas	114.58	3314.84			4735
	Hydro	7.98	512.99			1297
	Total	122.56	3827.84			6032
State Total		214.79	6428.56			15403

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Oct/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4022	95	666	4783	78	1701	4907	5047	-456	-499	11158	2228	11328	2030	15416	49.79
2	4066	85	635	4786	170	1660	4686	4827	-344	-329	11161	2161	11426	1858	15180	49.80
3	4090	76	666	4832	190	1572	4645	4722	-344	-246	11117	1865	11426	1722	14704	49.80
4	4077	76	661	4814	231	1573	4647	4661	-344	-224	11102	1862	11448	1667	14631	49.93
5	4077	76	665	4818	271	1568	4648	4680	-344	-225	11160	1869	11506	1669	14698	49.87
6	4214	271	662	5147	283	1681	4535	4739	-302	-239	11636	2188	12143	1737	15561	49.66
7	4315	186	660	5161	281	1763	4538	4320	-302	-179	11370	3079	12479	1776	16225	49.67
8	4405	78	661	5144	214	1726	4515	4606	-295	-196	11519	3561	12767	1811	16891	49.71
9	4485	161	653	5299	137	1736	4517	4654	-355	-238	11613	3811	12884	2076	17500	49.62
10	4480	157	629	5266	140	1732	4757	4603	-428	-316	11450	4131	13053	2500	18081	49.69
11	4294	246	629	5169	156	1694	4936	5234	-603	-511	11767	3943	13473	2780	18490	49.75
12	4197	313	633	5143	135	1706	4943	5704	-620	-419	12294	4004	14042	2795	19093	49.77
13	4209	342	625	5176	130	1698	4938	5604	-620	-399	12234	4141	14121	2789	19164	49.71
14	4056	423	618	5097	131	1692	4895	5835	-596	-420	12360	3837	14001	2736	18933	49.80
15	4134	797	615	5546	115	1704	4922	5470	-620	-431	12429	3563	13946	2783	18775	49.80
16	3936	1302	628	5866	103	1706	4869	4967	-620	-404	12263	3621	13895	2794	18678	49.72
17	3872	857	633	5362	70	1705	4903	4751	-620	-415	11506	4203	13338	2767	18476	49.80
18	3850	486	641	4977	76	1704	5034	4793	-595	-388	11202	4279	12598	2677	18158	49.66
19	3950	890	641	5481	114	1703	5117	5243	-616	-485	12103	4716	13285	2752	19571	49.78
20	4149	612	645	5406	144	1705	5258	5466	-615	-508	12260	4577	13224	2726	19563	49.96
21	4184	202	649	5035	144	1723	5246	5828	-586	-536	12237	4273	12914	2608	19118	49.82
22	4092	84	653	4829	141	1725	5278	5492	-576	-546	11688	4027	12141	2465	18180	49.99
23	4005	84	659	4748	139	1730	5070	5286	-550	-488	11464	3806	11860	2372	17642	49.87
24	3933	84	659	4676	120	1785	4947	4898	-560	-557	10973	3325	11242	2267	16565	49.90
MUs	99.09	7.98	15.49	122.56	3.71	40.69	116.75	121.43	-11.91	-9.20	280.07	83.07	304.54	56.16	419.29	49.79

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 31/Oct/2011

Position as on 6.30 Hrs of 01/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	
Parli Unit 3	210	28/10/2011	09.45		Continued.	ID fan problem.	01/11/2011
Dabhol 3A	230	29/10/2011	13.22		Continued.	Due to gas shortage.	
Bhusawal Unit 3	210	29/10/2011	20.13	31/10/2011	06.14	Boiler tube leakage.	
Chandrapur Unit 7	500	29/10/2011	23.58		Continued.	Boiler tube leakage.	02/11/2011
Cent_Sect sipat-5	500	31/10/2011	00.42	31/10/2011	20.58	Furnace Pressure High	
Cent_Sect KARPR2	220	31/10/2011	06.49		Continued.	D 20 Leakage.	02/11/2011
Chandrapur Unit 1	210	31/10/2011	15.19	31/10/2011	18.26	General Service Pump tripped	
Chandrapur Unit 2	210	31/10/2011	15.24		Continued.	General Service Pump tripped	
CPP WPCL U-1	135	01/11/2011	00.28		Continued.	ID Fan Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2011

Position as on 6.30 Hrs of 01/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Kolhapur - Mapusa - II	25/10/2011	16.19	31/10/2011	09.52	Over Voltage
Dhule-Sar'Sarovar - II	30/10/2011	14.52	31/10/2011	18.10	Over Voltage
Parli (PGCIL)-Bhadravati-II	30/10/2011	17.07		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	30/10/2011	23.20	31/10/2011	07.27	Over Voltage
Kolhapur - Mapusa - I	31/10/2011	22.11		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	31/10/2011	22.38		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	22/10/2011	17:05		Continued.	Bus-I Bus bar protection operated due to Bursting of 400 KV Solapur (PGCIL) circuit breaker (Y-ph pole).
Voltage Level : 220KV			Outage Type TRIPPED		
Mudsungi-Chikodi	31/10/2011	02.15		Continued.	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315 MVA ICT-I @ Talangade	31/10/2011	11.17	31/10/2011	15.43	To attend Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Pawas-Kharepatan	31/10/2011	09.27	31/10/2011	15.35	R.M.Work
Mahad - Century Enka	31/10/2011	10.27	31/10/2011	13.45	R.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	24/10/2011	06.50		Continued.	Over Voltage.
Bhusawal- Aurangabad	30/10/2011	19.26	01/11/2011	05.39	Over Voltage
400/220KV,100 MVA Spare Unit at Korady	31/10/2011	02.36		Continued.	Buchholz Alarm received
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
Valve-Jamde	18/10/2011	17.18		Continued.	H/T due to Tower collapsed at Loc.N,40,44,45,46.
Trombay - Tata Tie - I	31/10/2011	14.00	01/11/2011	00.29	Abnormal sound in B Phase P.T.Bus section-III
Trombay-Mulund	31/10/2011	14.06	01/11/2011	00.26	Abnormal sound in B Phase P.T.Bus section-III
Bus Section - III @ Trombay	31/10/2011	14.07	01/11/2011	00.21	Abnormal sound in B Phase P.T.Bus section-III

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2011

Position as on 6.30 Hrs of 01/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhira-Kandalgaon	31/10/2011	19.25		Continued.	Heavy sparking at Wavetrap
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
220/132KV 100MVA ICT-I at Bambhori	25/10/2011	19.06		Continued.	Tripped on R.E.F.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
Amravati - Morshi	31/10/2011	06.38	31/10/2011	06.50	Distance Protection
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	180
Unit 7	210	0
	620	330
Bhusawal		
Unit 2	210	170
Unit 3	210	160
Unit 4	500	
	920	330
Parli		
Unit 3	210	0
Unit 4	210	167
Unit 5	210	110
Unit 6	250	162
Unit 7	250	150
	1130	589
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	420
Unit 6	500	420
Unit 7	500	0
	2340	1390
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	
	1340	640
Nasik		
Unit 3	210	172
Unit 4	210	172
Unit 5	210	144
	630	488
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	129
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	1100
WARDHA	405	260
Other CPPs	0	
	1005	1360
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	5481
	3455	5481

	17900	7 of 7	15204
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