



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Nov/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.061	1303.840	1) Gujrat	5.357	34.051
2) Hydro	7.047	160.602	2) Madhya Pradesh	25.818	307.289
3) Gas	15.225	189.920	3) Chattisgarh	15.100	198.080
Total MSGENCO	133.333	1654.362	4) Maharashtra	59.313	733.191
B) OTHERS			5) Goa	-5.136	-80.382
1) JSW JAIGAD	21.361	361.505	6) TAPS 1&2 Injection	7.814	100.617
2) WPCL	5.833	78.326	7) RGPPL Injection	29.359	407.262
3) Other CPP / IPP	3.734	54.653	8) Pench (Excess)	-0.016	-4.418
4) Wind Generation	1.427	29.100	# Total Cent. Sector	137.609	1695.690
5) PENCH (MS)	0.511	6.625	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.090	-142.831
1) TPCL Thermal	22.051	350.245	G) Bilateral Power *		
2) TPCL Hydro	0.021	44.260	1) MSEDCL Bilateral	43.467	507.194
TOTAL TPCL	22.072	394.505	Include PX	4.142	37.240
3) REL Thermal	12.579	163.531	2) MUMBAI Bilateral	10.045	162.631
D) STATE			Include PX	-1.979	3.212
1) Thermal (A1+C1+C3)	145.691	1817.616	3) MUMBAI Schedule	10.045	162.631
2) Hydro (A2+B5+C2)	7.579	211.487	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.225	189.920	1) MSEDCL	292.718	3737.430
4) Wind (B4)	1.427	29.100	2) TPCL	30.170	463.503
5) CPP (B1+B2+B3)	30.928	494.484	3) REL	15.570	237.269
TOTAL STATE	200.850	2742.607	TOTAL STATE	338.458	4438.202

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4606	4963	4240
MSGENCO Hydro	534	223	269
MSGENCO Gas	607	635	656
MSGENCO Total Generation	5747	5821	5165
Central Sector Receipt	6415	5799	5481
WIND	139	60	61
CPP / IPP	1315	1309	1313
Exchange with Mumbai	-450	-850	-236
MSEDCL DEMAND MET	13166	12192	11817
Load Shedding (LS)	1722	1222	485
MSEDCL DEMAND (INCL. LS)	14888	13414	12302
TPCL GENERATION	1034	798	892
REL GENERATION	524	524	525
TPCL+REL DEMAND	2008	2172	1653
STATE DEMAND MET	15174	14364	13470
Load Management (LM)	2459	3813	1889
Total Load Relief (LS+LM)	4181	5035	2374
UNRESTRICTED STATE DEMAND	19355	19399	15844
Frequency (Hz)	49.71	49.89	49.64

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 19:00 Hrs	49.18 Hz at 05:27 Hrs	49.73	.03 % 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 13/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.59	44.32	161	134	155
Unit 6	4.07	48.44	194	120	160
Unit 7	2.52	6.09	130	90	105
Total	10.19	98.84			420
Bhusawal					
Unit 2	3.69	47.32	170	135	140
Unit 3	3.14	42.49	160	95	140
Unit 4	0.00	0.00	0	0	0
Total	6.82	89.82			280
Parli					
Unit 3	0.00	25.34	0	0	0
Unit 4	4.41	49.82	198	123	185
Unit 5	2.94	39.04	158	108	155
Unit 6	4.79	53.85	250	160	165
Unit 7	3.65	47.50	208	87	155
Total	15.79	215.54			660
Chandrapur					
Unit 1	3.71	49.40	160	150	155
Unit 2	0.00	9.78	0	0	0
Unit 3	3.70	50.47	177	125	175
Unit 4	4.76	62.54	207	187	205
Unit 5	9.22	74.33	465	265	300
Unit 6	9.08	124.54	445	305	400
Unit 7	9.17	76.94	435	320	425
Total	39.64	447.99			1660
Paras					
Unit 3	3.63	47.90	180	128	150
Unit 4	3.52	47.69	183	102	150
Total	7.15	95.59			300
Khaparkheda					
Unit 1	3.99	47.48	185	155	150
Unit 2	3.91	47.15	180	150	150
Unit 3	3.73	49.66	180	126	140
Unit 4	4.08	50.43	185	159	160
Unit 5	3.96	18.94	257	108	0
Total	19.67	213.65			600
Nasik					
Unit 3	5.12	55.65	215	210	210
Unit 4	4.84	46.71	208	191	210
Unit 5	1.83	40.05	188	0	0
Total	11.80	142.40			420
Uran					
All Units	15.22	189.92	660	595	640
Total	15.22	189.92			640
PENCH (MS)					
Pench (MS)	0.51	6.62	53	0	0
Total	0.51	6.62			0
Koyna					
Stage 1-2	3.26	51.92	325	35	600
Stage 4	0.62	50.56	474	0	250
Stage 3	0.69	22.16	80	0	320
Total	4.56	124.64			1170
Kovna 12&4 Total	3.87	102.48			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.45	2.09	19	18	19
VTRNA	0.00	0.39	0	0	0
TILLARI	0.48	5.45	60	0	60
BHTGR/VEER	0.14	1.93	6	5	8
BHIRA T.R.	0.16	2.73	45	0	80
RNGR+BHTSA	0.40	4.99	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.36	3.10	15	14	0
SMLHY PTN	0.50	7.66	30	17	25
GHATGHAR	0.00	7.62	0	0	0
Total	2.48	35.96			207
Wind					
MalharPeth	0.08	2.36			
Vankuswadi	0.28	4.05			
ATIT	0.03	0.62			
Kale	0.06	1.33			
Satara	0.49	4.58			
Shirala	0.05	1.40			
K Mahankal	0.01	2.62			
Supa	0.02	0.84			
Vita	0.23	5.28			
Dondaicha	0.01	1.63			
Sakri	0.00	0.50			
Nandurbar	0.00	0.52			
Khandke	0.03	1.90			
Khaparale	0.11	1.46			
Total	1.43	29.10			
CPP					
JSW JAIGAD	21.36	361.50	916	789	825
WARDHA	5.83	78.33	245	240	245
Other CPPs	3.73	54.65			
Total	30.93	494.48			1070
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.82	138.02	453	193	490
Trombay 6	3.88	86.40	182	157	500
Trombay 7A	2.84	35.76	124	109	120
Trombay 7B	1.58	20.12	68	62	60
Trombay 8	5.94	69.95	250	245	250
TATA Hydro	0.02	44.26	10	0	447
Total	22.07	394.50			1867
REL					
1&2	12.58	163.53	525	523	500
Total	12.58	163.53			500
Cent Sect					
Share					5779
Total					5779

MS PG CL	Thermal	111.06	1303.84			4340
	Thml+Gas	126.29	1493.76			4980
	Hydro	7.05	160.60			1377
	Total	133.33	1654.36			6357
State Total		200.85	2742.61			15573

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Nov/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	4127	274	653	5054	45	1297	5751	6110	-483	-433	12098	2964	12302	1966	17028	49.66
2	4137	269	656	5062	53	1325	5665	5923	-421	-348	12040	2579	12431	1769	16388	49.73
3	4240	269	656	5165	61	1321	5591	5481	-347	-236	11817	2374	12302	1653	15844	49.64
4	4255	264	646	5165	42	1310	5568	5657	-315	-177	12022	2464	12522	1599	16085	49.73
5	4282	304	649	5235	39	1322	5559	5699	-294	-180	12140	2457	12651	1603	16200	49.68
6	4436	889	655	5980	62	1317	5562	5527	-278	-213	12698	2816	13424	1637	17151	49.54
7	4499	391	660	5550	69	1303	5603	5329	-283	-233	12043	3698	13515	1646	17387	49.64
8	4565	199	658	5422	52	1296	5324	5348	-278	-239	11904	3887	13144	1645	17436	49.73
9	4690	298	652	5640	47	1318	5348	5348	-294	-295	12064	4109	13263	1704	17877	49.60
10	4674	276	627	5577	65	1322	5509	5500	-351	-341	12123	4334	13763	1821	18278	49.71
11	4594	349	618	5561	115	1313	5934	6034	-425	-441	12582	4144	14301	1977	18703	49.69
12	4606	534	607	5747	139	1315	5979	6415	-472	-450	13166	4181	14888	2008	19355	49.71
13	4611	309	602	5522	111	1288	5974	5973	-467	-402	12492	4425	14455	1962	18879	49.73
14	4590	360	602	5552	84	1308	5952	5963	-441	-373	12534	4180	14347	1939	18653	49.74
15	4595	296	595	5486	61	1308	5916	6374	-414	-381	12848	3800	14484	1946	18594	49.70
16	4513	398	603	5514	51	1313	5818	6167	-409	-396	12649	3846	14379	1929	18424	49.73
17	4579	202	614	5395	29	1312	5463	5197	-398	-496	11437	4411	13315	1913	17761	49.67
18	4797	182	620	5599	49	1307	5463	5321	-398	-597	11704	4382	13066	1942	18028	49.59
19	4963	223	635	5821	60	1309	5720	5799	-525	-850	12192	5035	13414	2172	19399	49.89
20	5099	220	630	5949	47	1259	5882	5958	-555	-918	12330	4774	13205	2239	19343	49.86
21	5227	184	637	6048	39	1199	5882	5889	-555	-901	12325	4459	12910	2224	19008	49.80
22	5026	128	648	5802	33	1207	5882	5791	-555	-867	12016	4196	12364	2192	18404	49.79
23	5013	117	653	5783	35	1179	5736	5406	-543	-766	11687	4117	11957	2162	17966	49.95
24	4943	112	649	5704	39	1180	5595	5400	-543	-557	11807	3582	11973	2093	17482	49.89
MUs	111.06	7.05	15.22	133.33	1.43	30.93	136.68	137.61	-10.04	-11.09	292.72	91.21	318.38	45.74	429.67	49.73

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 13/Nov/2011

Position as on 6.30 Hrs of 14/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koyna ST - IV 4	250	03/11/2011	04.42		Continued.	Attending Oil Leakage through Spherical Valve	23/11/2011
Chandrapur Unit 2	210	05/11/2011	11.02		Continued.	Boiler Tube Leakage,converted to AOH.	30/11/2011
Dabhol 2A	230	05/11/2011	15.48		Continued.	Overhauling work	15/11/2011
Cent_Sect TARAPUR-4	540	06/11/2011	01.00		Continued.	Annual Overhaul	25/12/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	23/11/2011
CPP WPCL U-2	135	10/11/2011	01.39	14/11/2011	04.02	For Maintenance Work.	
Nasik Unit 5	210	11/11/2011	10.10	13/11/2011	12.00	PA.Motor problem.	
CPP JSW (J) U3	300	12/11/2011	11.45		Continued.	Condenser cooling water leakage.	
Parli Unit 3	210	12/11/2011	21.25		Continued.	No coal.	
Uran Unit 5	108	14/11/2011	00.05		Continued.	Air filter replacement.	
CPP JSW (J) U4	300	14/11/2011	01.17		Continued.	Turbine governing oil line leakage.	
Chandrapur Unit 6	500	14/11/2011	04.36		Continued.	Boiler tube leakage.	17/11/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2011

Position as on 6.30 Hrs of 14/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
Bhoisor-Bhoisor(PGCIL)-I	13/11/2011	07.14	13/11/2011	16.15	For stringing of Boiser PG-Padgha line through new draft tower.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	02/11/2011	11.33		Continued.	To control Koradi-Bhilai Load
Parli (PGCIL)-Bhadravati-II	07/11/2011	17.00		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	11/11/2011	16.18	13/11/2011	11.12	Over Voltage.
Dhule-Sar'Sarovar - I	12/11/2011	08.23		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/11/2011	21.51		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	12/11/2011	23.04	13/11/2011	17.10	To control generation.
Pench - Kanhan	13/11/2011	23.54		Continued.	Hand Tripped.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor of 400KV Parli-Lnknd-I	02/11/2011	10.52		Continued.	Oil Leakage and Filtration work
400/132KV 200 MVA ICT-II @ Bhusawal	08/11/2011	08.38	13/11/2011	16.01	Filtration of Oil upto 13/11/2011
Kalwa - Padgha - I	11/11/2011	09.58		Continued.	Taken on TBC for 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
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gasformation upto 29/11/2011
220 KV TBC @ Koradi	10/11/2011	09.30		Continued.	Breaker O/H Work.
Wadkhal - Ndil - I	12/11/2011	02.12		Continued.	Maintenance work(CT,PT replacement at Wadkhal end.)
Kalwa-Mulund II	12/11/2011	09.43		Continued.	Replacement of breaker isolator .Line taken on TBC.
Kalwa-Trombay	12/11/2011	22.32	13/11/2011	06.48	Bus section outage I and II.
220/100KV,200 MVA ICT-II at Trombay.	12/11/2011	22.36	13/11/2011	07.15	Bus section outage I and II.
Tifil-Trombay	12/11/2011	22.40	13/11/2011	07.03	Bus section outage I and II.
Sonkhar-Trombay	12/11/2011	22.44	13/11/2011	06.58	Bus section outage I and II.
220/100KV 200MVA ICT-III at Trombay	12/11/2011	22.48	13/11/2011	07.23	Bus section outage I and II.
Trombay - Tata Tie - II	12/11/2011	22.55	13/11/2011	06.41	Bus section outage I and II.
Bus Section - I & II @ Trombay	12/11/2011	22.58	13/11/2011	06.20	Permanent jumpering and checking to 220KV terminal of proposed 220KV

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2011

Position as on 6.30 Hrs of 14/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Chembur line.
220/100KV,200MVA ICT-I at Borivali.	13/11/2011	09.05	13/11/2011	13.20	Alignment of isolator and R.M.Work
Voltage Level : 132KV					Outage Type PLANNED OUTAGE
Ambazari-Pardi	10/11/2011	08.49		Continued.	Heeight Raising of 132 KV Ambazari-Pardi & 132 KV Khapri-Besa Between Loc.64-68 & 79-83 Due to Four Lanning of National Highway No.-7.
Khapri - Besa	10/11/2011	09.10		Continued.	Heeight Raising of 132 KV Ambazari-Pardi & 132 KV Khapri-Besa Between Loc.64-68 & 79-83 Due to Four Lanning of National Highway No.-7.
Voltage Level : 110KV					Outage Type PLANNED OUTAGE
Borivali(T)-Borivali(M)-I	13/11/2011	07.28	13/11/2011	19.00	To facilitate Stringing of conductor of 220KV 220KV Bo-B0-5 line.
Voltage Level : 100KV					Outage Type PLANNED OUTAGE
Borivali-Tata-II	13/11/2011	15.20	13/11/2011	16.05	To facilitate stringing of conductor of 220KV Bo-Bo line for safety purpose.
Voltage Level : 400KV					Outage Type HAND TRIPPED
400/220KV,100 MVA Spare Unit at Korady	31/10/2011	02.36		Continued.	Buchholz Alarm received
Bhusawal- Aurangabad	12/11/2011	22.41	13/11/2011	05.04	Over Voltage.
Voltage Level : 220KV					Outage Type HAND TRIPPED
Chandrapur - Warora	12/11/2011	22.49	13/11/2011	16.25	For system stability.
Uran-Apta-II	14/11/2011	03.01		Continued.	For attending DC supply fail.
Chandrapur - Warora	14/11/2011	04.49		Continued.	Line loading.
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
Vita - Pandharpur	13/11/2011	19.29	13/11/2011	19.43	Distance protection.
Voltage Level : 132KV					Outage Type TRIPPED
Paras-Patur	13/11/2011	05.57	13/11/2011	06.14	Tripped O/C.
Malegaon-Resod	13/11/2011	05.57	13/11/2011	06.30	Tripped.
Malegaon - Mehekar	13/11/2011	05.57	13/11/2011	06.29	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	160
Unit 7	210	100
	620	380
Bhusawal		
Unit 2	210	160
Unit 3	210	120
Unit 4	500	
	920	280
Parli		
Unit 3	210	0
Unit 4	210	172
Unit 5	210	128
Unit 6	250	160
Unit 7	250	165
	1130	625
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	180
Unit 4	210	200
Unit 5	500	440
Unit 6	500	0
Unit 7	500	425
	2340	1405
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	
	1340	650
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	162
	630	546
Uran		
All Units	852	485
	852	485
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	19
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	208
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	775
WARDHA	405	360
Other CPPs	0	
	1005	1135
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	5625
	3455	5625

	17900	7 of 7	15176
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