



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Dec/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.494	2042.186	1) Gujrat	7.068	106.840
2) Hydro	6.253	234.063	2) Madhya Pradesh	21.556	370.004
3) Gas	12.421	245.103	3) Chattisgarh	13.940	250.420
Total MSGENCO	133.168	2521.352	4) Maharashtra	55.239	939.582
B) OTHERS			5) Goa	-5.836	-112.625
1) JSW JAIGAD	19.509	418.464	6) TAPS 1&2 Injection	7.773	137.662
2) WPCL	6.771	140.517	7) RGPPL Injection	26.142	511.246
3) Other CPP / IPP	7.404	129.452	8) Pench (Excess)	-0.556	-8.514
4) Wind Generation	3.568	49.986	# Total Cent. Sector	125.326	2194.615
5) PENCH (MS)	0.556	8.514	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-4.416	-142.958
1) TPCL Thermal	24.682	507.933	G) Bilateral Power *		
2) TPCL Hydro	0.172	62.276	1) MSEDCL Bilateral	37.758	677.060
TOTAL TPCL	24.854	570.209	Include PX	4.700	59.153
3) REL Thermal	12.633	213.058	2) MUMBAI Bilateral	7.473	203.404
D) STATE			Include PX	-3.165	3.840
1) Thermal (A1+C1+C3)	151.809	2763.177	3) MUMBAI Schedule	7.473	212.984
2) Hydro (A2+B5+C2)	6.981	304.853	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.421	245.103	1) MSEDCL	291.886	5319.942
4) Wind (B4)	3.568	49.986	2) TPCL	27.831	623.152
5) CPP (B1+B2+B3)	33.684	688.433	3) REL	14.071	303.020
TOTAL STATE	208.463	4051.552	TOTAL STATE	333.788	6246.114

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	4771	4855	4714
MSGENCO Hydro	722	290	114
MSGENCO Gas	522	515	530
MSGENCO Total Generation	6015	5660	5358
Central Sector Receipt	5893	5487	4870
WIND	118	124	162
CPP / IPP	1461	1456	1173
Exchange with Mumbai	-222	-385	-111
MSEDCL DEMAND MET	13317	12378	11452
Load Shedding (LS)	1868	1071	454
MSEDCL DEMAND (INCL. LS)	15185	13449	11906
TPCL GENERATION	1099	1111	806
REL GENERATION	527	527	526
TPCL+REL DEMAND	1848	2023	1443
STATE DEMAND MET	15165	14401	12895
Load Management (LM)	2299	3555	1690
Total Load Relief (LS+LM)	4167	4626	2144
UNRESTRICTED STATE DEMAND	19332	19027	15039
Frequency (Hz)	49.63	49.86	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 16:03 Hrs	49.33 Hz at 00:14 Hrs	49.81	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 18/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.35	54.49	135	0	115
Unit 6	3.12	46.03	148	107	125
Unit 7	3.20	64.48	148	120	150
Total	8.67	164.99			390
Bhusawal					
Unit 2	0.00	49.32	0	0	0
Unit 3	4.30	74.51	190	170	180
Unit 4	0.00	0.00	0	0	0
Total	4.30	123.83			180
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.35	74.08	206	140	190
Unit 5	3.08	50.72	137	115	130
Unit 6	4.52	73.68	207	164	180
Unit 7	0.00	70.59	0	0	0
Total	11.95	269.06			500
Chandrapur					
Unit 1	3.67	66.98	157	148	160
Unit 2	3.75	50.05	164	149	150
Unit 3	4.11	75.94	183	155	185
Unit 4	4.74	88.26	210	176	210
Unit 5	10.76	160.27	465	440	450
Unit 6	10.17	89.64	452	396	400
Unit 7	8.80	165.62	377	324	380
Total	46.02	696.76			1935
Paras					
Unit 3	3.59	71.42	185	136	150
Unit 4	3.54	72.38	182	115	150
Total	7.13	143.80			300
Khaparkheda					
Unit 1	4.55	79.12	205	170	170
Unit 2	4.52	76.37	196	180	170
Unit 3	4.59	85.74	210	170	190
Unit 4	4.83	84.13	218	182	190
Unit 5	3.55	65.82	176	108	0
Total	22.03	391.19			720
Nasik					
Unit 3	5.06	86.57	215	200	210
Unit 4	4.88	86.76	210	192	210
Unit 5	4.44	79.23	194	178	190
Total	14.39	252.56			610
Uran					
All Units	12.42	245.10	543	485	500
Total	12.42	245.10			500
PENCH (MS)					
Pench (MS)	0.56	8.51	52	0	0
Total	0.56	8.51			0
Koyna					
Stage 1-2	1.76	67.90	275	40	600
Stage 4	0.26	74.64	153	0	250
Stage 3	0.61	31.17	144	0	320
Total	2.64	173.72			1170
Kovna 12&4 Total	2.03	142.55			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	5.73	0	0	0
VTRNA	0.00	0.69	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.08	2.87	4	3	4
BHIRA T.R.	0.18	3.67	77	0	80
RNGR+BHTSA	0.40	6.83	17	16	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	3.90	15	12	14
SMLHY PTN	1.01	16.54	50	38	11
GHATGHAR	1.60	20.11	250	0	0
Total	3.61	60.34			126
Wind					
MalharPeth	0.31	3.20			
Vankuswadi	0.62	6.35			
ATIT	0.05	1.87			
Kale	0.19	1.98			
Satara	1.00	8.56			
Shirala	0.19	2.22			
K Mahankal	0.02	3.70			
Supa	0.07	1.05			
Vita	0.49	7.86			
Dondaicha	0.26	7.67			
Sakri	0.00	0.71			
Nandurbar	0.04	0.80			
Khandke	0.20	2.35			
Khaparale	0.12	1.67			
Total	3.57	49.99			
CPP					
JSW JAIGAD	19.51	418.46	910	556	825
WARDHA	6.77	140.52	317	267	312
Other CPPs	7.40	129.45			
Total	33.68	688.43			1137
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.52	203.07	499	285	500
Trombay 6	3.85	121.60	204	154	500
Trombay 7A	2.89	48.39	128	92	120
Trombay 7B	1.54	27.23	66	56	60
Trombay 8	5.88	107.64	253	184	250
TATA Hydro	0.17	62.28	60	0	447
Total	24.85	570.21			1877
REL					
1&2	12.63	213.06	528	524	500
Total	12.63	213.06			500
Cent Sect					
Share					5180
Total					5180

MS PG CL	Thermal	114.49	2042.19			4635
	Thml+Gas	126.92	2287.29			5135
	Hydro	6.25	234.06			1296
	Total	133.17	2521.35			6431
State Total		208.46	4051.55			15125

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/Dec/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	4780	145	505	5430	130	1177	4822	4870	-293	-152	11455	2155	11641	1635	15245	49.64
2	4716	115	525	5356	166	1174	4863	4952	-333	-189	11459	2294	11831	1518	15271	49.89
3	4714	114	530	5358	162	1173	4817	4870	-285	-111	11452	2144	11906	1443	15039	49.93
4	4702	115	543	5360	173	1216	4685	4733	-147	-45	11437	2380	11905	1416	15233	49.90
5	4717	120	485	5322	172	1317	4675	4762	-136	-36	11537	2405	12017	1440	15382	49.93
6	4776	119	510	5405	187	1404	4973	5301	-141	-16	12289	2669	12934	1476	16434	49.82
7	4779	112	524	5415	212	1429	5054	4859	-173	-34	11906	3459	13284	1535	16900	49.83
8	4783	137	521	5441	211	1439	5096	5217	-197	-99	12235	3920	13758	1620	17775	49.64
9	4752	230	520	5502	177	1452	5133	5170	-235	-155	12171	4023	13779	1712	17906	49.54
10	4782	597	520	5899	174	1444	5217	5418	-277	-200	12777	4289	14689	1808	18874	49.62
11	4794	576	525	5895	153	1433	5574	5778	-346	-239	13070	4285	15064	1852	19207	49.65
12	4771	722	522	6015	118	1461	5604	5893	-378	-222	13317	4167	15185	1848	19332	49.63
13	4754	591	515	5860	80	1473	5599	5797	-373	-216	13046	4301	15045	1851	19198	49.71
14	4743	460	510	5713	71	1492	5579	5939	-351	-231	13034	4006	14793	1854	18894	49.85
15	4778	448	510	5736	59	1493	5514	5797	-325	-201	12936	3711	14566	1817	18464	49.79
16	4774	286	520	5580	68	1457	5447	5788	-309	-164	12779	3721	14535	1781	18281	49.99
17	4765	212	518	5495	76	1432	4793	5331	-277	-147	12189	4089	13952	1762	18040	49.95
18	4792	118	520	5430	95	1434	4803	5231	-288	-207	11983	3962	13155	1826	17771	49.81
19	4855	290	515	5660	124	1456	5041	5487	-447	-385	12378	4626	13449	2023	19027	49.86
20	4847	236	515	5598	164	1489	5074	5334	-442	-326	12305	4500	13202	2039	18844	49.81
21	4896	134	517	5547	172	1444	5072	5047	-442	-338	11902	4298	12625	2021	18221	49.98
22	4860	132	517	5509	192	1493	5053	4747	-431	-354	11597	4018	12069	2002	17617	49.91
23	4729	122	517	5368	210	1486	4991	4514	-405	-199	11379	3812	11800	1871	17062	49.96
24	4635	122	517	5274	222	1416	4901	4491	-442	-150	11253	3053	11572	1753	16059	49.86
MUs	114.49	6.25	12.42	133.17	3.57	33.68	122.38	125.33	-7.47	-4.42	291.89	86.29	318.76	41.90	420.08	49.81

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 18/Dec/2011

Position as on 6.30 Hrs of 19/Dec/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect TARAPUR-4	540	06/11/2011	01.00		Continued.	Annual Overhaul	25/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/12/2011
CPP JSW (J) U2	300	10/12/2011	23:30		Continued.	Annual Shutdown	27/12/2011
Koyna ST-IV 2	250	18/12/2011	10:00		Continued.	Preventive Maint. work.	19/12/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	28/12/2011
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	20/12/2011
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Bhusawal Unit 2	210	16/12/2011	12.13		Continued.	BLR T/L.	19/12/2011
Parli Unit 7	250	16/12/2011	23.08		Continued.	W/Dn due to CHP Problem.	19/12/2011
CPP JSW (J) U3	300	17/12/2011	12.53	18/12/2011	03.18	Generator Protection Tripped.	
Koyna UNIT 6	75	17/12/2011	23:15	18/12/2011	04:35	Leakage in generator air cooler.	
Koradi Unit 5	200	18/12/2011	02:24		Continued.	Coal mill problem.	20/12/2011
Khaparkheda Unit 5	500	19/12/2011	01.34	19/12/2011	05.48	Furnace pressure low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Dec/2011

Position as on 6.30 Hrs of 19/Dec/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 (PGCIL)-Bhadravati-II	09/12/2011	16.41		Continued.	Over Voltage.
Dhule - S'Sarovar- II	16/12/2011	16.52		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	16/12/2011	22.06		Continued.	Over Voltage
Kolhapur - Mapusa - II	17/12/2011	19.43		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	18/12/2011	23.17		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
80 MVAR Reactor @ Kharghar	13/12/2011	09.45		Continued.	Replacement of Bushing(upto 17/12/2011)
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.
Karad - Kolhapur - I	18/12/2011	09.23	18/12/2011	11.40	To attend red hot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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 Gas Formation upto 30/12/2011
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 14/12/2011).
220/100KV,200MVA ICT-I at Borivali.	17/12/2011	23.14	18/12/2011	02.40	Insulator Fixing for 6 No's of 220KV Cable Termination.
Borivali-Tata Borivali 4	17/12/2011	23.18	18/12/2011	02.54	Insulator Fixing for 6 No's of 220KV Cable Termination.
Borivali - Bhandup (GIC)	17/12/2011	23.20	18/12/2011	02.48	Insulator Fixing for 6 No's of 220KV Cable Termination.
Borivali-Tarapur	18/12/2011	00.05	18/12/2011	02.37	Insulator Fixing for 6 No's of 220KV Cable Termination.
Bus section-I At Borivali.	18/12/2011	00.15	18/12/2011	02.37	Insulator Fixing for 6 No's of 220KV Cable Termination.
Trombay - Salsett - I	18/12/2011	06.11	18/12/2011	21.48	Conductor diversion work.
220/33 KV 100 MVA T/F - III @ Ghanthandre	18/12/2011	08.20	18/12/2011	17.41	R.M.Work.
220/33KV,125MVA T/F-V at Aarey.	18/12/2011	08.45	18/12/2011	13.13	R.M.Work.
Dahanu-Versova	18/12/2011	08.56	18/12/2011	15.55	R.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Dec/2011

Position as on 6.30 Hrs of 19/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Borivali(T)-Borivali(M)-II	18/12/2011	08.32	18/12/2011	19.51	To facilitate work on DF of 220KV Bo-Bo-V.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
400/220KV 500MVA ICT- I at Khaperkheda	16/12/2011	11.57		Continued.	Due to CTR low nitrogen pressure alarm received.
Karad - Kolhapur - II	16/12/2011	16.24	18/12/2011	09.00	Over Voltage.
Bhusawal- Aurangabad	17/12/2011	20.03	18/12/2011	07.11	Over Voltage.
400/220 KV 100 MVA Spare Unit @ Koradi	17/12/2011	20.32		Continued.	Buccolz Alarm.
Karad - Kolhapur - I	18/12/2011	16.08		Continued.	Over Voltage.
Bhusawal- Aurangabad	18/12/2011	20.07		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	09/12/2011	01.44	18/12/2011	12.44	Hand trip.
Chandrapur - Warora	18/12/2011	16.06		Continued.	To control Warora-Wardha and Warora -Hinghat line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Main Ckt Breaker of Dhule -SSP-I at Dhule	30/11/2011	17.00		Continued.	B Phase Main C.B.Burst at Dhule(Charged through TBC on
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(Failed).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	132
	620	252
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	185
Unit 5	210	130
Unit 6	250	205
Unit 7	250	0
	1130	520
Chandrapur		
Unit 1	210	160
Unit 2	210	155
Unit 3	210	165
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	380
	2340	1945
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	210
Unit 5	500	
	1340	810
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	500
	852	500
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	14
SMLHY PTN	12	11
GHATGHAR	250	0
	611	126
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	825
WARDHA	405	312
Other CPPs	0	
	1005	1137
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	5124
	3455	5124

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