



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Dec/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.791	2995.917	1) Gujrat	8.296	171.069
2) Hydro	17.274	328.536	2) Madhya Pradesh	19.999	534.351
3) Gas	10.886	342.445	3) Chattisgarh	12.940	350.540
Total MSGENCO	140.951	3666.898	4) Maharashtra	46.860	1292.249
B) OTHERS			5) Goa	-5.298	-158.943
1) JSW JAIGAD	14.464	571.618	6) TAPS 1&2 Injection	7.496	195.952
2) WPCL	6.997	186.440	7) RGPPL Injection	26.086	721.862
3) Other CPP / IPP	3.640	174.144	8) Pench (Excess)	-0.090	-12.762
4) Wind Generation	1.494	72.919	# Total Cent. Sector	116.289	3094.318
5) PENCH (MS)	0.622	13.294	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-2.863	-181.792
1) TPCL Thermal	27.130	724.443	G) Bilateral Power *		
2) TPCL Hydro	4.323	90.374	1) MSEDCL Bilateral	28.930	950.968
TOTAL TPCL	31.453	814.817	Include PX	4.312	82.712
3) REL Thermal	12.636	314.111	2) MUMBAI Bilateral	8.421	270.156
D) STATE			Include PX	-0.612	-1.585
1) Thermal (A1+C1+C3)	152.557	4034.471	3) MUMBAI Schedule	8.421	279.736
2) Hydro (A2+B5+C2)	22.219	432.204	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.886	342.445	1) MSEDCL	281.594	7597.839
4) Wind (B4)	1.494	72.919	2) TPCL	31.939	882.509
5) CPP (B1+B2+B3)	25.101	932.202	3) REL	15.010	428.141
TOTAL STATE	212.257	5814.241	TOTAL STATE	328.543	8908.489

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	4786	4859	4479
MSGENCO Hydro	1701	722	159
MSGENCO Gas	415	427	502
MSGENCO Total Generation	6902	6008	5140
Central Sector Receipt	5130	4989	4444
WIND	19	139	49
CPP / IPP	1044	1087	934
Exchange with Mumbai	-216	-310	87
MSEDCL DEMAND MET	12929	11966	10654
Load Shedding (LS)	1839	1265	384
MSEDCL DEMAND (INCL. LS)	14768	13231	11038
TPCL GENERATION	1685	1590	882
REL GENERATION	527	527	525
TPCL+REL DEMAND	2428	2427	1320
STATE DEMAND MET	15357	14393	11974
Load Management (LM)	2266	3427	1681
Total Load Relief (LS+LM)	4105	4692	2065
UNRESTRICTED STATE DEMAND	19462	19085	14039
Frequency (Hz)	49.50	49.56	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 06.03 Hrs	48.9 Hz at 21.07 Hrs	49.67	2.31 % 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 26/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.93	71.86	150	61	120
Unit 6	2.91	71.68	152	100	122
Unit 7	4.12	95.46	190	145	140
Total	9.96	238.99			382
Bhusawal					
Unit 2	4.23	77.20	190	150	161
Unit 3	3.66	107.61	185	0	161
Unit 4		0.00	0	0	
Total	7.88	184.82			322
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.60	107.76	209	158	195
Unit 5	3.13	74.85	152	112	125
Unit 6	4.24	109.44	217	153	172
Unit 7	4.48	102.48	228	155	165
Total	16.46	394.53			657
Chandrapur					
Unit 1	3.75	95.04	161	152	160
Unit 2	3.87	78.60	171	150	150
Unit 3	4.30	109.18	185	175	185
Unit 4	5.06	126.85	215	208	210
Unit 5	10.88	246.48	460	430	450
Unit 6	10.95	173.74	475	437	425
Unit 7	0.00	215.42	0	0	0
Total	38.81	1045.32			1580
Paras					
Unit 3	4.04	108.37	222	140	170
Unit 4	3.89	108.70	220	138	170
Total	7.93	217.07			340
Khaparkheda					
Unit 1	4.56	115.94	200	175	200
Unit 2	4.44	111.21	193	175	190
Unit 3	4.83	125.54	218	185	210
Unit 4	5.22	124.16	226	204	210
Unit 5	0.00	71.15	0	0	
Total	19.04	548.00			810
Nasik					
Unit 3	3.14	125.60	220	0	0
Unit 4	5.00	125.92	212	200	210
Unit 5	4.57	115.66	198	185	190
Total	12.71	367.19			400
Uran					
All Units	10.89	342.44	505	415	500
Total	10.89	342.44			500
PENCH (MS)					
Pench (MS)	0.62	13.29	53	0	
Total	0.62	13.29			
Koyna					
Stage 1-2	4.18	94.76	545	40	600
Stage 4	5.22	91.97	734	0	250
Stage 3	1.78	40.78	284	0	320
Total	11.18	227.51			1170
Kovna 12&4 Total	9.40	186.73			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	8.32	20	19	20
VTRNA	0.89	6.66	61	0	60
TILLARI	0.34	0.98	60	0	60
BHTGR/VEER	0.08	4.61	4	3	8
BHIRA T.R.	0.16	5.05	77	0	40
RNGR+BHTSA	0.37	9.90	16	15	10
BHANDARDRA	0.63	2.71	27	26	30
ELDARY	0.32	6.52	14	13	0
SMLHY PTN	1.04	23.23	51	40	30
GHATGHAR	1.81	33.04	250	0	0
Total	6.10	101.02			258
Wind					
MalharPeth	0.10	4.55			
Vankuswadi	0.18	9.28			
ATIT	0.02	2.15			
Kale	0.07	2.85			
Satara	0.43	12.72			
Shirala	0.07	3.06			
K Mahankal	0.00	5.73			
Supa	0.01	1.42			
Vita	0.14	10.73			
Dondaicha	0.29	12.31			
Sakri	0.05	1.11			
Nandurbar	0.04	1.27			
Khandke	0.02	3.24			
Khaparale	0.07	2.50			
Total	1.49	72.92			
CPP					
JSW JAIGAD	14.46	571.62	717	522	825
WARDHA	7.00	186.44	316	231	312
Other CPPs	3.64	174.14			
Total	25.10	932.20			1137
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.91	289.95	502	284	500
Trombay 6	6.03	172.15	446	154	500
Trombay 7A	2.77	70.46	128	72	120
Trombay 7B	1.57	38.94	69	53	60
Trombay 8	5.85	152.95	247	241	250
TATA Hydro	4.32	90.37	434	0	447
Total	31.45	814.82			1877
REL					
1&2	12.64	314.11	528	525	500
Total	12.64	314.11			500
Cent Sect					
Share					4885
Total					4885

MS PG CL	Thermal	112.79	2995.92			4491
	Thml+Gas	123.68	3338.36			4991
	Hydro	17.27	328.54			1428
	Total	140.95	3666.90			6419
State Total		212.26	5814.24			14818

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	4800	170	501	5471	38	958	4437	4574	-317	12	11053	2104	11235	1497	14654	49.83
2	4486	159	502	5147	51	900	4365	4586	-240	19	10703	2235	11051	1383	14321	49.81
3	4479	159	502	5140	49	934	4325	4444	-197	87	10654	2065	11038	1320	14039	49.94
4	4474	165	502	5141	54	939	4303	4509	-181	134	10777	2239	11174	1276	14292	49.98
5	4466	163	500	5129	52	958	4303	4707	-181	123	10969	2247	11382	1283	14499	49.85
6	4545	218	501	5264	58	1006	4615	4817	-96	137	11282	2562	11922	1366	15210	49.72
7	4607	232	505	5344	54	986	4660	4706	-151	145	11261	3580	12713	1473	16314	49.68
8	4516	666	426	5608	54	1044	4738	4980	-255	-3	11709	3974	13264	1617	17300	49.58
9	4432	1365	429	6226	35	1075	4748	4851	-282	-192	12021	4036	13625	1894	17951	49.38
10	4499	1842	425	6766	31	1074	4789	4738	-329	-223	12427	4218	14227	2204	18849	49.52
11	4645	1727	422	6794	24	1035	4975	5043	-413	-308	12638	4149	14505	2424	19211	49.53
12	4786	1701	415	6902	19	1044	4998	5130	-438	-216	12929	4105	14768	2428	19462	49.50
13	4801	1551	419	6771	18	1040	4998	5018	-438	-256	12616	4280	14631	2441	19337	49.46
14	4841	1304	419	6564	17	1040	4976	5406	-413	-223	12829	3968	14580	2350	19147	49.68
15	4875	1483	418	6776	24	1041	5069	5285	-413	-229	12922	3640	14529	2380	18942	49.65
16	4896	1356	418	6670	35	1089	5069	5215	-413	-286	12748	3608	14458	2398	18754	49.60
17	4801	523	423	5747	59	1083	4540	5060	-413	-243	11731	4128	13588	2394	18253	49.77
18	4833	350	426	5609	86	1087	4540	4721	-413	-252	11276	4222	12772	2356	17854	49.65
19	4859	722	427	6008	139	1087	4798	4989	-550	-310	11966	4692	13231	2427	19085	49.56
20	4899	507	426	5832	144	1092	4892	5238	-530	-236	12123	4477	13121	2383	18983	49.57
21	4859	340	446	5645	156	1092	4783	4951	-516	-202	11692	4235	12471	2229	18156	49.64
22	4821	245	480	5546	127	1151	4727	4419	-462	-155	11138	4031	11737	1977	17146	49.62
23	4839	168	467	5474	97	1188	4615	4442	-437	-160	11071	3405	11353	1824	16300	49.71
24	4733	158	487	5378	74	1158	4400	4460	-340	-26	11061	2681	11221	1628	15370	49.76
MUs	112.79	17.27	10.89	140.95	1.50	25.10	112.66	116.29	-8.42	-2.86	281.60	84.88	308.60	46.95	413.43	49.67

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 26/Dec/2011

Position as on 6.30 Hrs of 27/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	27/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	30/12/2011
CPP JSW (J) U2	300	10/12/2011	23:30	27/12/2011	03.10	Annual Shutdown	
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	A/OH.	14/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	A/OH.	14/01/2012
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.	27/12/2011
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	
Khaparkheda Unit 5	500	20/12/2011	12.28		Continued.	Boiler Tube Leakage	
CPP WPCL U-2	135	23/12/2011	17.38	26/12/2011	04.48	Bottom ash problem.	
Chandrapur Unit 7	500	24/12/2011	21.42		Continued.	HP heater pipe line leakage.	31/12/2011
CPP JSW (J) U4	300	25/12/2011	15.40	26/12/2011	21.15	Electric fault.	
Nasik Unit 3	210	26/12/2011	00.50	26/12/2011	09.15	Air heater problem.	
Uran Unit 8	108	26/12/2011	07.17	26/12/2011	20.54	Exication T/F buchholz relay operated.	
Bhusawal Unit 3	210	26/12/2011	07.24	26/12/2011	10.17	Control valve problem.	
Koyana ST - IV 4	250	26/12/2011	10.28	26/12/2011	15.03	Sperical valve oil pressure low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Dec/2011

Position as on 6.30 Hrs of 27/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	26/12/2011	21.30	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Borivali - Tarapur - II	26/12/2011	08.01	26/12/2011	21.30	To restore 220KV Tarapur-Boiser line to its original Path.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	09/12/2011	16.41		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	16/12/2011	22.06		Continued.	Over Voltage
Dhule - S'Sarovar- II	22/12/2011	09.44	26/12/2011	08.05	Over Voltage.
Kolhapur - Mapusa - II	25/12/2011	22.17		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	25/12/2011	22.40		Continued.	Over Voltage.
Chandrapur-Bhadravti - I	25/12/2011	22.48		Continued.	Over Voltage.
Dhule - S'Sarovar- II	26/12/2011	23.22		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni-Amona I	26/12/2011	16.25	26/12/2011	22.07	Distance protection.
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.
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.up to 04.01.2012
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhoisor - Borivali	30/10/2011	08.06	26/12/2011	22.04	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 30/12/2011).
220 KV Main Bus - I @Talangade	19/12/2011	11.30		Continued.	Erection of Bus-I isolator of new 220KV ICT-3 bay up to 28.12.2011.
Bus Bar Protection at Parli (GCR)	24/12/2011	14.42		Continued.	Commissioning of New bus bar protection.
Halkarni - Tillari - II	26/12/2011	07.56	26/12/2011	18.15	Insulator replacement.
220/100 KV 200 MVA ICT-II @ Apta	26/12/2011	09.08	26/12/2011	16.39	Relay testing work.
Kolhapur-Sawantwadi	26/12/2011	09.44		Continued.	Hot Spot.
Tilwani - Talandge - II	26/12/2011	10.20	26/12/2011	17.30	Q.M.Work.
220/15.75KV 250 MVA GT III @ Parly-I	26/12/2011	12.32		Continued.	Replacement of CT and PT.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Dec/2011

Position as on 6.30 Hrs of 27/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132KV 150 MVA ICT @ Ambazari.	26/12/2011	13.44	26/12/2011	15.25	To attend neutral bushing oil leakages.
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.
Bhusawal- Aurangabad	23/12/2011	19.57	26/12/2011	07.30	Over Voltage.
Karad - Kolhapur - II	25/12/2011	16.10	26/12/2011	15.14	Over Voltage.
Bhusawal- Aurangabad	26/12/2011	16.54		Continued.	Over Voltage.
Karad - Kolhapur - I	26/12/2011	21.51		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora,Hinganghat -Warora.L/L.
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).
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Morshi	26/12/2011	06.02	26/12/2011	06.09	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	65
Unit 6	210	135
Unit 7	210	180
	620	380
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	110
Unit 6	250	176
Unit 7	250	181
	1130	647
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	0
	2340	1615
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	810
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	480
	852	480
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	18
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	26
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	290
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	1075
WARDHA	405	363
Other CPPs	0	
	1005	1438
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	5116
	3455	5116

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