



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Dec/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.173	3109.090	1) Gujrat	8.488	179.557
2) Hydro	10.517	339.053	2) Madhya Pradesh	19.614	553.965
3) Gas	11.921	354.366	3) Chattisgarh	12.880	363.420
Total MSGENCO	135.611	3802.509	4) Maharashtra	45.724	1337.973
B) OTHERS			5) Goa	-5.880	-164.823
1) JSW JAIGAD	22.542	594.160	6) TAPS 1&2 Injection	7.793	203.745
2) WPCL	8.706	195.146	7) RGPPL Injection	25.898	747.760
3) Other CPP / IPP	4.817	178.961	8) Pench (Excess)	-0.102	-12.864
4) Wind Generation	2.026	74.945	# Total Cent. Sector	114.415	3208.733
5) PENCH (MS)	0.547	13.841	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-2.249	-184.041
1) TPCL Thermal	27.136	751.579	G) Bilateral Power *		
2) TPCL Hydro	3.230	93.604	1) MSEDCL Bilateral	40.892	991.860
TOTAL TPCL	30.366	845.183	Include PX	5.684	88.396
3) REL Thermal	12.679	326.790	2) MUMBAI Bilateral	8.445	278.601
D) STATE			Include PX	-1.090	-2.675
1) Thermal (A1+C1+C3)	152.988	4187.459	3) MUMBAI Schedule	8.445	288.181
2) Hydro (A2+B5+C2)	14.294	446.498	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.921	354.366	1) MSEDCL	286.415	7884.254
4) Wind (B4)	2.026	74.945	2) TPCL	30.750	913.259
5) CPP (B1+B2+B3)	36.065	968.267	3) REL	14.543	442.684
TOTAL STATE	217.294	6031.535	TOTAL STATE	331.708	9240.197

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	4851	4710	4602
MSGENCO Hydro	771	297	159
MSGENCO Gas	495	496	492
MSGENCO Total Generation	6117	5503	5253
Central Sector Receipt	5392	5257	4117
WIND	18	96	145
CPP / IPP	1559	1588	1341
Exchange with Mumbai	-229	-238	67
MSEDCL DEMAND MET	12881	12253	10923
Load Shedding (LS)	1930	1193	317
MSEDCL DEMAND (INCL. LS)	14811	13446	11240
TPCL GENERATION	1607	1549	820
REL GENERATION	528	529	528
TPCL+REL DEMAND	2364	2316	1281
STATE DEMAND MET	15245	14569	12204
Load Management (LM)	2317	3543	1516
Total Load Relief (LS+LM)	4247	4736	1833
UNRESTRICTED STATE DEMAND	19492	19305	14037
Frequency (Hz)	49.65	49.77	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 06:05 Hrs	49.05 Hz at 09:15 Hrs	49.71	.73 % 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 27/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.46	73.32	150	0	65
Unit 6	3.20	74.88	157	115	135
Unit 7	4.49	99.95	200	163	180
Total	9.16	248.15			380
Bhusawal					
Unit 2	4.32	81.52	190	170	180
Unit 3	4.24	111.85	185	160	180
Unit 4	0.00	0.00	0	0	0
Total	8.56	193.37			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.26	112.02	195	129	180
Unit 5	3.02	77.87	140	106	110
Unit 6	4.29	113.72	232	108	176
Unit 7	4.81	107.30	245	153	181
Total	16.38	410.91			647
Chandrapur					
Unit 1	3.69	98.73	157	151	160
Unit 2	3.75	82.34	164	137	160
Unit 3	4.44	113.62	189	180	185
Unit 4	5.02	131.87	210	205	210
Unit 5	10.88	257.35	465	400	450
Unit 6	10.80	184.54	473	415	450
Unit 7	0.00	215.42	0	0	0
Total	38.56	1083.88			1615
Paras					
Unit 3	3.69	112.06	183	130	160
Unit 4	3.58	112.29	164	132	160
Total	7.28	224.35			320
Khaparkheda					
Unit 1	4.68	120.62	210	180	200
Unit 2	4.35	115.57	200	166	190
Unit 3	5.09	130.63	219	195	210
Unit 4	4.63	128.79	209	173	210
Unit 5	0.00	71.15	0	0	0
Total	18.76	566.75			810
Nasik					
Unit 3	5.11	130.72	220	210	210
Unit 4	4.83	130.76	210	188	210
Unit 5	4.55	120.21	199	171	190
Total	14.49	381.68			610
Uran					
All Units	11.92	354.37	510	488	480
Total	11.92	354.37			480
PENCH (MS)					
Pench (MS)	0.55	13.84	54	0	0
Total	0.55	13.84			0
Koyna					
Stage 1-2	3.08	97.84	480	40	600
Stage 4	0.00	91.97	0	0	250
Stage 3	0.89	41.67	158	0	320
Total	3.97	231.48			1170
Kovna 12&4 Total	3.08	189.81			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	8.78	20	19	18
VTRNA	0.94	7.60	61	0	61
TILLARI	0.36	1.34	60	0	60
BHTGR/VEER	0.07	4.68	3	2	3
BHIRA T.R.	0.20	5.25	64	0	80
RNGR+BHTSA	0.40	10.30	17	16	16
BHANDARDRA	0.62	3.33	26	25	26
ELDARY	0.31	6.83	14	12	15
SMLHY PTN	1.06	24.29	53	41	11
GHATGHAR	2.13	35.16	240	0	0
Total	6.55	107.57			290
Wind					
MalharPeth	0.06	4.62			
Vankuswadi	0.16	9.44			
ATIT	0.02	2.17			
Kale	0.08	2.93			
Satara	0.38	13.11			
Shirala	0.07	3.13			
K Mahankal	0.01	5.74			
Supa	0.09	1.52			
Vita	0.30	11.03			
Dondaicha	0.40	12.71			
Sakri	0.12	1.23			
Nandurbar	0.05	1.31			
Khandke	0.24	3.48			
Khaparale	0.04	2.54			
Total	2.03	74.94			
CPP					
JSW JAIGAD	22.54	594.16	1043	772	1075
WARDHA	8.71	195.15	368	355	363
Other CPPs	4.82	178.96			
Total	36.06	968.27			1438
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.90	300.85	504	288	500
Trombay 6	5.96	178.11	428	154	500
Trombay 7A	3.00	73.47	131	111	120
Trombay 7B	1.63	40.57	70	63	60
Trombay 8	5.64	158.58	248	177	250
TATA Hydro	3.23	93.60	374	0	447
Total	30.37	845.18			1877
REL					
1&2	12.68	326.79	530	527	500
Total	12.68	326.79			500
Cent Sect					
Share					5116
Total					5116

MS PG CL	Thermal	113.17	3109.09			4742
	Thml+Gas	125.09	3463.46			5222
	Hydro	10.52	339.05			1460
	Total	135.61	3802.51			6682
State Total		217.29	6031.54			15613

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4699	164	498	5361	110	1338	4412	4349	-298	35	11193	2011	11376	1482	14686	49.93
2	4652	160	489	5301	121	1336	4341	4188	-220	21	10967	2066	11251	1352	14385	49.81
3	4602	159	492	5253	145	1341	4313	4117	-189	67	10923	1833	11240	1281	14037	49.91
4	4635	165	498	5298	154	1352	4298	4104	-173	109	11017	2015	11341	1237	14269	49.94
5	4699	169	495	5363	174	1363	4293	4246	-167	112	11258	2049	11594	1245	14552	49.86
6	4821	160	498	5479	172	1421	4578	4553	-61	165	11803	2375	12337	1331	15509	49.65
7	4879	197	500	5576	161	1456	4643	4320	-141	179	11717	3195	12933	1440	16352	49.64
8	4930	336	492	5758	175	1465	4741	4871	-223	54	12348	3820	13855	1576	17744	49.55
9	4912	727	495	6134	93	1499	4792	4842	-277	-89	12504	3914	14061	1845	18263	49.53
10	4864	935	490	6289	51	1530	4853	4940	-345	-161	12674	4250	14567	2157	19081	49.54
11	4844	822	501	6167	33	1565	5231	5244	-433	-219	12842	4311	14819	2321	19474	49.62
12	4851	771	495	6117	18	1559	5250	5392	-453	-229	12881	4247	14811	2364	19492	49.65
13	4893	686	491	6070	16	1523	5233	5241	-440	-216	12659	4383	14723	2361	19403	49.61
14	4724	739	488	5951	15	1553	5247	5323	-447	-209	12658	4018	14405	2238	18914	49.72
15	4622	934	492	6048	18	1571	5229	5260	-436	-209	12713	3750	14355	2263	18726	49.58
16	4554	929	489	5972	34	1567	5248	5248	-454	-236	12609	3799	14420	2259	18667	49.59
17	4651	579	496	5726	70	1609	4677	4692	-511	-302	11819	4240	13745	2265	18324	49.64
18	4680	230	499	5409	95	1599	4633	4742	-470	-263	11606	4205	13007	2255	18066	49.68
19	4710	297	496	5503	96	1588	5019	5257	-531	-238	12253	4736	13446	2316	19305	49.77
20	4667	382	497	5546	73	1545	5113	5152	-511	-216	12154	4540	13112	2292	18986	49.66
21	4644	306	500	5450	61	1571	4806	4915	-481	-229	11822	4328	12570	2185	18335	49.83
22	4571	232	510	5313	49	1587	4774	4630	-447	-129	11491	4134	12048	1922	17547	49.80
23	4553	217	510	5280	44	1568	4637	4493	-398	-96	11304	3772	11769	1751	16827	49.67
24	4516	221	510	5247	48	1559	4510	4296	-340	50	11200	3004	11543	1556	15760	49.83
MUs	113.17	10.52	11.92	135.61	2.03	36.06	114.87	114.42	-8.45	-2.25	286.42	85.00	313.33	45.29	416.70	49.71

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 27/Dec/2011

Position as on 6.30 Hrs of 28/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	30/12/2011
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.	30/12/2011
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	
Chandrapur Unit 7	500	24/12/2011	21.42		Continued.	HP heater pipe line leakage.	31/12/2011
Koradi Unit 5	200	27/12/2011	13:05		Continued.	I D FAN Problem.	28/12/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Dec/2011

Position as on 6.30 Hrs of 28/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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
Kolhapur - Mapusa - II	25/12/2011	22.17		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	25/12/2011	22.40	27/12/2011	09:14	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.
Dhule-S'Sarovar I	27/12/2011	23.59		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.
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
400/220KV 500MVA ICT- I at Khaperkheda	27/12/2011	12.43	27/12/2011	17.03	Attending minor oil Leakage
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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.
Kolhapur-Sawantwadi	26/12/2011	09.44	27/12/2011	10:07	Hot Spot.
220/15.75KV 250 MVA GT III @ Parly-I	26/12/2011	12.32		Continued.	Replacement of CT and PT.
220/100KV 200MVA ICT-II at Kalwa	27/12/2011	07.10	27/12/2011	11.10	Oil leakage
Halkarni - Tillari - II	27/12/2011	08.15	27/12/2011	18.06	Replacement of Insulator String
Karad - Ogalewadi - II	27/12/2011	09.01	27/12/2011	18.10	C.T.Replacement
220/100KV 200 MVA ICT- I @ Padgha	27/12/2011	09.44	27/12/2011	14.24	Retrofitting of Master Trip Relay
Main Bus section-II at Vankuswade	27/12/2011	10.25	27/12/2011	19.00	For Stringing of Step Bus for New 220/33KV 100MVA T/F.
Kalwa-Mulund II	27/12/2011	12.05	27/12/2011	18.28	Hot Spot
Kalwa - Ghatghar	27/12/2011	12.54	27/12/2011	15.12	LA replacement
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.
Bhusawal- Aurangabad	26/12/2011	16.54	27/12/2011	07:46	Over Voltage.
Karad - Kolhapur - I	26/12/2011	21.51	27/12/2011	10:03	Over Voltage.
Bhusawal- Aurangabad	27/12/2011	16.36		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Dec/2011

Position as on 6.30 Hrs of 28/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	27/12/2011	22.21		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
Kalwa-Kharghar	27/12/2011	18.21	27/12/2011	18.34	Distance Protection
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		
Paras - Akot	27/12/2011	10.12	27/12/2011	10.35	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	165
	620	300
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	135
Unit 6	250	180
Unit 7	250	160
	1130	655
Chandrapur		
Unit 1	210	160
Unit 2	210	145
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	0
	2340	1580
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	810
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	630	556
Uran		
All Units	852	550
	852	550
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	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	26
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	289
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	1050
WARDHA	405	335
Other CPPs	0	
	1005	1385
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	4891
	3455	4891