



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Dec/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.833	3218.923	1) Gujrat	8.069	187.626
2) Hydro	13.277	352.330	2) Madhya Pradesh	20.190	574.155
3) Gas	12.231	366.597	3) Chattisgarh	13.940	377.360
Total MSGENCO	135.341	3937.850	4) Maharashtra	44.130	1382.103
B) OTHERS			5) Goa	-5.597	-170.420
1) JSW JAIGAD	21.214	615.374	6) TAPS 1&2 Injection	7.832	211.577
2) WPCL	8.288	203.434	7) RGPPL Injection	25.734	773.494
3) Other CPP / IPP	4.859	183.820	8) Pench (Excess)	-0.063	-12.927
4) Wind Generation	1.235	76.180	# Total Cent. Sector	114.235	3322.968
5) PENCH (MS)	0.633	14.474	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-3.012	-187.053
1) TPCL Thermal	25.774	777.353	G) Bilateral Power *		
2) TPCL Hydro	3.622	97.226	1) MSEDCL Bilateral	38.632	1030.492
TOTAL TPCL	29.396	874.579	Include PX	4.285	92.682
3) REL Thermal	12.459	339.249	2) MUMBAI Bilateral	7.721	286.322
D) STATE			Include PX	-1.825	-4.499
1) Thermal (A1+C1+C3)	148.066	4335.525	3) MUMBAI Schedule	7.721	295.902
2) Hydro (A2+B5+C2)	17.532	464.030	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.231	366.597	1) MSEDCL	282.793	8167.047
4) Wind (B4)	1.235	76.180	2) TPCL	30.511	943.770
5) CPP (B1+B2+B3)	34.361	1002.628	3) REL	14.354	457.038
TOTAL STATE	213.425	6244.960	TOTAL STATE	327.658	9567.855

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	4562	4689	4471
MSGENCO Hydro	1118	392	159
MSGENCO Gas	511	492	508
MSGENCO Total Generation	6191	5573	5138
Central Sector Receipt	5269	5046	4116
WIND	30	68	88
CPP / IPP	1503	1510	1368
Exchange with Mumbai	-185	-341	59
MSEDCL DEMAND MET	12860	11893	10769
Load Shedding (LS)	1973	1251	343
MSEDCL DEMAND (INCL. LS)	14833	13144	11112
TPCL GENERATION	1615	1455	810
REL GENERATION	528	528	474
TPCL+REL DEMAND	2328	2324	1225
STATE DEMAND MET	15188	14217	11994
Load Management (LM)	2377	3683	1610
Total Load Relief (LS+LM)	4350	4934	1953
UNRESTRICTED STATE DEMAND	19538	19151	13947
Frequency (Hz)	49.64	49.71	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 06.04 Hrs	49.02 Hz at 11.47 Hrs	49.77	.32 % 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 28/Dec/2011

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi						Hydro					
Unit 5	0.00	73.32	0	0	0	KDPH	0.46	9.25	20	19	18
Unit 6	2.95	77.82	144	107	135	VTRNA	0.93	8.54	61	0	61
Unit 7	4.14	104.09	185	160	165	TILLARI	0.34	1.68	60	0	60
Total	7.09	255.24			300	BHTGR/VEER	0.05	4.73	2	2	2
Bhusawal						BHIRA T.R.	0.19	5.44	80	0	80
Unit 2	4.40	85.93	195	170	180	RNGR+BHTSA	0.40	10.70	17	16	16
Unit 3	4.32	116.17	190	165	180	BHANDARDRA	0.62	3.95	26	26	26
Unit 4	0.00	0.00	0	0		ELDARY	0.31	7.14	14	13	15
Total	8.72	202.10			360	SMLHY_PTN	1.06	25.35	51	40	11
Parli						GHATGHAR	2.06	37.22	250	0	0
Unit 3	0.00	0.00	0	0	0	Total	6.42	114.00			289
Unit 4	3.87	115.89	195	135	180	Wind					
Unit 5	2.82	80.69	137	95	135	MalharPeth	0.10	4.71			
Unit 6	4.05	117.78	237	0	180	Vankuswadi	0.13	9.57			
Unit 7	4.20	111.50	249	0	160	ATIT	0.02	2.19			
Total	14.94	425.85			655	Kale	0.05	2.98			
Chandrapur						Satara	0.12	13.23			
Unit 1	3.09	101.82	156	0	160	Shirala	0.07	3.20			
Unit 2	3.60	85.95	166	137	145	K Mahankal	0.13	5.87			
Unit 3	4.51	118.13	191	180	190	Supa	0.03	1.55			
Unit 4	5.07	136.94	214	210	210	Vita	0.38	11.41			
Unit 5	10.37	267.72	465	365	450	Dondaicha	0.01	12.72			
Unit 6	10.62	195.16	474	423	425	Sakri	0.01	1.24			
Unit 7	0.00	215.42	0	0	0	Nandurbar	0.01	1.33			
Total	37.26	1121.14			1580	Khandke	0.14	3.62			
Paras						Khaparale	0.02	2.56			
Unit 3	3.41	115.47	160	130	150	Total	1.24	76.18			
Unit 4	3.47	115.76	180	120	150	CPP					
Total	6.88	231.23			300	JSW JAIGAD	21.21	615.37	988	622	1050
Khaparkheda						WARDHA	8.29	203.43	370	330	335
Unit 1	4.80	125.42	210	180	200	Other CPPs	4.86	183.82			
Unit 2	4.52	120.09	200	180	190	Total	34.36	1002.63			1385
Unit 3	5.06	135.69	226	200	210	Tata					
Unit 4	4.27	133.06	192	147	210	Trombay 4	0.00	0.00	0	0	0
Unit 5	2.71	73.86	313	0		Trombay 5	10.76	311.60	503	283	500
Total	21.36	588.11			810	Trombay 6	4.77	182.88	293	154	500
Nasik						Trombay 7A	3.03	76.50	131	120	120
Unit 3	4.62	135.34	215	175	192	Trombay 7B	1.65	42.22	70	68	60
Unit 4	4.54	135.30	210	167	192	Trombay 8	5.56	164.14	248	171	250
Unit 5	4.42	124.63	195	175	172	TATA Hydro	3.62	97.23	395	0	447
Total	13.58	395.27			556	Total	29.40	874.58			1877
Uran						REL					
All Units	12.23	366.60	574	424	550	1&2	12.46	339.25	530	446	500
Total	12.23	366.60			550	Total	12.46	339.25			500
PENCH (MS)						Cent Sect					
Pench (MS)	0.63	14.47	53	0		Share					4891
Total	0.63	14.47				Total					4891
Koyna						MS PG CL					
Stage 1-2	3.36	101.20	400	40	600	Thermal	109.83	3218.92			4561
Stage 4	2.21	94.18	486	0	250	Thml+Gas	122.06	3585.52			5111
Stage 3	1.28	42.95	236	0	320	Hydro	13.28	352.33			1459
Total	6.85	238.33			1170	Total	135.34	3937.85			6570
Koyna 12&4 Total	5.57	195.38			850	State Total	213.42	6244.96			15223

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 28/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	4561	158	507	5226	32	1409	4339	4235	-249	40	10942	2101	11117	1407	14450	49.88
2	4472	169	508	5149	71	1357	4268	4204	-172	46	10827	2182	11127	1287	14296	49.93
3	4471	159	508	5138	88	1368	4247	4116	-145	59	10769	1953	11112	1225	13947	49.91
4	4450	159	511	5120	48	1304	4233	4198	-129	66	10736	2163	11112	1189	14088	49.89
5	4451	164	510	5125	39	1317	4228	4625	-124	76	11182	2184	11553	1199	14565	49.78
6	4558	169	509	5236	63	1418	4443	4622	-28	181	11520	2486	12075	1292	15298	49.71
7	4627	164	520	5311	74	1525	4500	4338	-87	187	11461	3459	12726	1418	16338	49.75
8	4673	454	519	5646	77	1550	4589	4735	-164	48	12082	3882	13475	1573	17537	49.69
9	4754	870	519	6143	81	1486	4696	4714	-254	-110	12340	3964	13833	1834	18138	49.66
10	4747	1059	516	6322	64	1482	4763	4690	-339	-195	12415	4337	14318	2118	18870	49.60
11	4668	844	514	6026	51	1524	5130	5076	-407	-229	12499	4455	14555	2293	19247	49.61
12	4562	1118	511	6191	30	1503	5122	5269	-432	-185	12860	4350	14833	2328	19538	49.64
13	4594	1071	502	6167	14	1537	5209	5228	-508	-284	12713	4454	14792	2323	19490	49.71
14	4578	1289	424	6291	14	1481	4828	5176	-468	-241	12754	4080	14503	2226	19060	49.65
15	4550	1534	454	6538	13	1480	4995	5057	-354	-298	12821	3806	14444	2265	18892	49.70
16	4420	1167	480	6067	8	1516	5101	5365	-462	-309	12673	3838	14433	2272	18783	49.76
17	4476	652	500	5628	14	1518	4626	4942	-515	-342	11785	4400	13711	2272	18457	49.83
18	4652	334	492	5478	34	1503	4477	4570	-459	-293	11317	4492	12828	2250	18059	49.80
19	4689	392	492	5573	68	1510	4620	5046	-481	-341	11893	4934	13144	2324	19151	49.71
20	4809	389	517	5715	76	1494	5008	4970	-481	-326	11982	4735	12985	2310	19027	49.72
21	4722	288	574	5584	70	1381	4886	5012	-436	-253	11845	4485	12621	2173	18503	49.87
22	4649	228	557	5434	78	1317	4848	4727	-392	-183	11398	4154	11868	1961	17513	49.84
23	4409	224	543	5176	68	1222	4710	4664	-334	-72	11083	3389	11146	1706	16178	49.79
24	4291	222	544	5057	60	1159	4560	4656	-301	-54	10896	2747	10957	1622	15265	50.03
MUs	109.83	13.28	12.23	135.34	1.24	34.36	112.43	114.24	-7.72	-3.01	282.79	87.03	309.27	44.87	414.69	49.77

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 28/Dec/2011

Position as on 6.30 Hrs of 29/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
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	30/12/2011
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	28/12/2011	07.06	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.	29/12/2011
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Chandrapur Unit 1	210	28/12/2011	14.44	28/12/2011	17.36	UAT Earth Fault	
Parli Unit 6	250	28/12/2011	20.21	28/12/2011	23.22	Flame Failure	
CPP JSW (J) U2	300	28/12/2011	21.00		Continued.	Boiler Valve Gland Leakage	30/12/2011
Khaparkheda Unit 5	500	28/12/2011	22.11	29/12/2011	01.14	Main Oil Tank Level Low	
Parli Unit 7	250	28/12/2011	22.47	29/12/2011	01.09	Flame Failure	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Dec/2011

Position as on 6.30 Hrs of 29/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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	29/12/2011	01.52	Over Voltage
Kolhapur - Mapusa - II	25/12/2011	22.17	28/12/2011	10.23	Over Voltage.
Chandrapur-Bhadravti - I	25/12/2011	22.48		Continued.	Over Voltage.
Dhule - S'Sarovar- II	26/12/2011	23.22	28/12/2011	10.25	Over Voltage.
Dhule-S'Sarovar I	27/12/2011	23.59	28/12/2011	08.57	Over Voltage
Kolhapur - Mapusa - I	28/12/2011	16.27		Continued.	Over Voltage
Dhule-S'Sarovar I	28/12/2011	17.01		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - II	28/12/2011	17.32		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
Parli - Lamboti	28/12/2011	14.36	28/12/2011	17.00	Tan Delta Measurement
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	28/12/2011	11.55	Erection of Bus-I isolator of new 220KV ICT-3 bay
Bus Bar Protection at Parli (GCR)	24/12/2011	14.42		Continued.	Commissioning of New bus bar protection.
220/15.75KV 250 MVA GT III @ Parly-I	26/12/2011	12.32		Continued.	Replacement of CT and PT.
220/132 KV 200 MVA ICT - II @ Bhusawal	28/12/2011	09.21	28/12/2011	14.55	Measurement of Tan Delta of CT
Lamboti-Bale-I	28/12/2011	09.32	28/12/2011	17.58	Stringing of EHV line with replacement of Conductor Insulator
Pawas-Kharepatan	28/12/2011	09.40	28/12/2011	17.17	Insulator Cold Washing
Apta-Uran-II	28/12/2011	10.20	28/12/2011	17.56	Erection of Coupling Condensor
220/6.6kv Stn. T/F NO.IV @ KORADI	28/12/2011	10.41		Continued.	Commissioning of SCADA Scheme
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogan pressure fire alarm received.
Bhusawal- Aurangabad	27/12/2011	16.36		Continued.	Over Voltage
Karad - Kolhapur - II	27/12/2011	22.21	28/12/2011	09.45	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Dec/2011

Position as on 6.30 Hrs of 29/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	28/12/2011	21.47		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.
Badnera - Akola - I	28/12/2011	10.22	28/12/2011	17.07	To control Wardha-Deoli Line Load
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 29/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			BHTGR/VEER	21	2
Unit 5	200	0	BHIRA T.R.	80	80
Unit 6	210	120	RNGR+BHTSA	20	16
Unit 7	210	185	BHANDARDRA	45	26
	620	305	ELDARY	23	13
Bhusawal			SMLHY_PTN	12	13
Unit 2	210	180	GHATGHAR	250	
Unit 3	210	190		611	289
Unit 4	500		Wind		
	920	370	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	155	Kale	0	
Unit 5	210	122	Satara	0	
Unit 6	250	200	Shirala	0	
Unit 7	250	180	K Mahankal	0	
	1130	657	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	160	Dondaicha	0	
Unit 2	210	160	Sakri	0	
Unit 3	210	185	Nandurbar	0	
Unit 4	210	210	Khandke	0	
Unit 5	500	450	Khaparale	0	
Unit 6	500	450		0	
Unit 7	500	0	CPP		
	2340	1615	JSW_JAIGAD	600	730
Paras			WARDHA	405	365
Unit 3	250	201	Other_CPPs	0	
Unit 4	250	201		1005	1095
	500	402	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	200	Trombay 5	500	500
Unit 2	210	190	Trombay 6	500	500
Unit 3	210	210	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
Unit 5	500		Trombay 8	250	250
	1340	810	TATA Hydro	444	447
Nasik				2024	1877
Unit 3	210	210	REL		
Unit 4	210	210	1&2	500	500
Unit 5	210	190		500	500
	630	610	Cent Sect		
Uran			Share	3455	4804
All Units	852	550		3455	4804
	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			