



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Dec/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.304	2642.793	1) Gujrat	5.663	148.457
2) Hydro	8.799	288.385	2) Madhya Pradesh	20.834	471.369
3) Gas	10.859	307.494	3) Chattisgarh	11.800	312.260
Total MSGENCO	142.962	3238.672	4) Maharashtra	41.031	1157.852
B) OTHERS			5) Goa	-5.653	-142.342
1) JSW JAIGAD	19.705	518.404	6) TAPS 1&2 Injection	7.824	176.540
2) WPCL	5.723	168.338	7) RGPPL Injection	26.637	643.172
3) Other CPP / IPP	5.166	161.347	8) Pench (Excess)	-0.583	-11.473
4) Wind Generation	2.747	67.536	# Total Cent. Sector	107.553	2755.835
5) PENCH (MS)	0.583	11.473	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.165	-171.247
1) TPCL Thermal	27.444	648.271	G) Bilateral Power *		
2) TPCL Hydro	3.509	81.895	1) MSEDCL Bilateral	33.969	854.842
TOTAL TPCL	30.953	730.166	Include PX	1.761	70.669
3) REL Thermal	12.645	276.191	2) MUMBAI Bilateral	7.353	248.701
D) STATE			Include PX	-0.601	2.244
1) Thermal (A1+C1+C3)	163.393	3567.255	3) MUMBAI Schedule	7.353	258.281
2) Hydro (A2+B5+C2)	12.891	381.753	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.859	307.494	1) MSEDCL	278.274	6750.358
4) Wind (B4)	2.747	67.536	2) TPCL	33.668	792.779
5) CPP (B1+B2+B3)	30.594	848.089	3) REL	16.095	384.765
TOTAL STATE	220.484	5172.127	TOTAL STATE	328.037	7927.902

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5178	5143	5022
MSGENCO Hydro	867	473	138
MSGENCO Gas	447	451	457
MSGENCO Total Generation	6492	6067	5617
Central Sector Receipt	4912	4944	3877
WIND	54	99	185
CPP / IPP	1328	1252	1173
Exchange with Mumbai	-384	-365	-95
MSEDCL DEMAND MET	12454	12050	10757
Load Shedding (LS)	1855	793	57
MSEDCL DEMAND (INCL. LS)	14309	12843	10814
TPCL GENERATION	1630	1634	805
REL GENERATION	527	528	527
TPCL+REL DEMAND	2541	2527	1427
STATE DEMAND MET	14995	14577	12184
Load Management (LM)	2791	4135	1785
Total Load Relief (LS+LM)	4646	4928	1842
UNRESTRICTED STATE DEMAND	19641	19505	14026
Frequency (Hz)	49.49	49.71	49.84

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 06.02 Hrs	48.82 Hz at 09.19 Hrs	49.62	3.73 % 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 23/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.14	63.15	166	100	140
Unit 6	3.18	63.11	161	90	140
Unit 7	3.85	84.13	182	135	168
Total	10.17	210.39			448
Bhusawal					
Unit 2	3.81	64.75	180	130	150
Unit 3	3.99	95.47	190	150	180
Unit 4		0.00	0	0	
Total	7.80	160.22			330
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.56	94.07	195	183	195
Unit 5	2.95	65.70	146	103	130
Unit 6	4.71	96.82	247	165	190
Unit 7	4.24	89.06	246	143	165
Total	16.47	345.65			680
Chandrapur					
Unit 1	3.60	84.11	154	146	155
Unit 2	3.70	67.30	159	149	150
Unit 3	4.26	96.40	182	170	180
Unit 4	4.71	111.79	208	158	210
Unit 5	10.48	213.81	455	410	450
Unit 6	10.06	141.49	455	375	400
Unit 7	8.36	207.91	375	312	360
Total	45.16	922.81			1905
Paras					
Unit 3	4.90	93.71	250	155	170
Unit 4	5.02	94.18	244	160	170
Total	9.92	187.89			340
Khaparkheda					
Unit 1	4.70	102.10	205	170	200
Unit 2	4.51	97.69	200	170	190
Unit 3	4.98	110.66	219	181	210
Unit 4	5.01	108.83	221	192	210
Unit 5	0.00	71.15	0	0	
Total	19.19	490.44			810
Nasik					
Unit 3	5.12	112.46	220	180	210
Unit 4	4.93	111.07	210	186	210
Unit 5	4.54	101.86	196	180	190
Total	14.59	325.39			610
Uran					
All Units	10.86	307.49	493	440	450
Total	10.86	307.49			450
PENCH (MS)					
Pench (MS)	0.58	11.47	53	0	
Total	0.58	11.47			
Koyna					
Stage 1-2	2.55	82.65	345	40	600
Stage 4	0.00	84.68	0	0	250
Stage 3	0.80	36.85	236	0	320
Total	3.35	204.18			1170
Kovna 12&4 Total	2.55	167.33			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	6.91	20	19	18
VTRNA	0.93	3.94	61	0	60
TILLARI	0.16	0.16	56	0	0
BHTGR/VEER	0.42	4.38	18	17	19
BHIRA T.R.	0.30	4.53	80	0	0
RNGR+BHTSA	0.40	8.80	17	16	17
BHANDARDRA	0.24	1.32	34	0	0
ELDARY	0.31	5.57	14	12	15
SMLHY PTN	0.85	20.40	44	32	13
GHATGHAR	1.36	28.18	250	0	0
Total	5.44	84.21			142
Wind					
MalharPeth	0.13	4.23			
Vankuswadi	0.34	8.56			
ATIT	0.03	2.07			
Kale	0.09	2.62			
Satara	0.29	11.84			
Shirala	0.09	2.84			
K Mahankal	0.45	4.89			
Supa	0.05	1.36			
Vita	0.15	9.97			
Dondaicha	0.80	11.42			
Sakri	0.07	1.02			
Nandurbar	0.07	1.17			
Khandke	0.07	3.16			
Khaparale	0.10	2.38			
Total	2.75	67.54			
CPP					
JSW JAIGAD	19.70	518.40	858	701	825
WARDHA	5.72	168.34	253	222	363
Other CPPs	5.17	161.35			
Total	30.59	848.09			1188
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.88	257.47	504	282	500
Trombay 6	6.74	157.48	416	155	500
Trombay 7A	2.79	62.58	128	72	120
Trombay 7B	1.52	34.83	67	51	60
Trombay 8	5.51	135.91	249	179	250
TATA Hydro	3.51	81.90	350	0	447
Total	30.95	730.17			1877
REL					
1&2	12.64	276.19	529	526	500
Total	12.64	276.19			500
Cent Sect					
Share					4840
Total					4840

MS PG CL	Thermal	123.30	2642.79			5123
	Thml+Gas	134.16	2950.29			5573
	Hydro	8.80	288.38			1312
	Total	142.96	3238.67			6885
State Total		220.48	5172.13			15290

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	5067	143	493	5703	156	1198	4612	4111	-344	-191	10977	2202	11091	1658	14837	49.73
2	5049	143	453	5645	185	1192	4522	4158	-253	-191	10989	2109	11046	1509	14607	49.78
3	5022	138	457	5617	185	1173	4496	3877	-237	-95	10757	1842	10814	1427	14026	49.84
4	5025	143	456	5624	196	1165	4476	3945	-216	-46	10884	2197	11137	1385	14466	49.81
5	4990	138	463	5591	188	1245	4416	4157	-147	-36	11145	2251	11417	1382	14778	49.78
6	5056	188	459	5703	153	1328	4315	4410	-35	-11	11591	2631	12097	1466	15688	49.73
7	5184	237	454	5875	147	1332	4379	3884	-85	-23	11240	4234	12728	1607	17081	49.70
8	5288	263	454	6005	125	1316	4449	4397	-137	-111	11758	4682	13404	1743	18183	49.69
9	5369	307	456	6132	123	1324	4504	4438	-190	-248	11795	4786	13508	2007	18588	49.55
10	5306	514	450	6270	84	1320	4574	4414	-243	-245	11869	4924	13777	2313	19106	49.22
11	5173	525	449	6147	79	1328	4982	4855	-393	-377	12085	4796	14107	2508	19389	49.44
12	5178	867	447	6492	54	1328	5044	4912	-469	-384	12454	4646	14309	2541	19641	49.49
13	5195	702	442	6339	57	1338	5043	4868	-469	-426	12225	4720	14152	2542	19487	49.46
14	5172	674	442	6288	41	1333	5007	5060	-409	-379	12395	4432	14080	2434	19261	49.65
15	5176	630	440	6246	33	1276	5040	4949	-449	-416	12140	4162	13684	2474	18776	49.63
16	5180	786	440	6406	28	1280	5054	4774	-514	-424	12087	4051	13637	2486	18624	49.55
17	5211	240	443	5894	35	1285	4728	4455	-395	-368	11301	4367	12822	2471	18139	49.57
18	5158	289	446	5893	59	1283	4638	4402	-329	-360	11277	4178	12144	2455	17910	49.46
19	5157	551	446	6154	103	1262	4808	4759	-379	-385	11946	4886	12747	2543	19375	49.56
20	5143	473	451	6067	99	1252	4867	4944	-369	-365	12050	4928	12843	2527	19505	49.71
21	5046	223	451	5720	153	1261	4855	4669	-351	-338	11517	4775	12182	2357	18649	49.69
22	5064	217	453	5734	170	1276	4824	4377	-328	-249	11335	4425	11676	2165	17925	49.60
23	5075	204	457	5736	153	1290	4731	4255	-292	-258	11182	3488	11266	1969	16639	49.61
24	5020	204	457	5681	141	1209	4649	4482	-319	-239	11274	2840	11331	1794	15908	49.64
MUs	123.30	8.80	10.86	142.96	2.75	30.59	113.01	107.55	-7.35	-6.16	278.27	92.55	302.00	49.76	420.59	49.62

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 23/Dec/2011

Position as on 6.30 Hrs of 24/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.	30/12/2011
CPP JSW (J) U2	300	10/12/2011	23:30		Continued.	Annual Shutdown	27/12/2011
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	A/OH.	
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	A/OH.	
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.	25/12/2011
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-3	135	21/12/2011	02.15	23/12/2011	12.32	UAT Problem	
Uran Unit 7	108	23/12/2011	00.23		Continued.	Filter replacement	
Koyna Unit 9	80	23/12/2011	07.20	23/12/2011	18.00	R.M.Work	
CPP WPCL U-3	135	23/12/2011	13.55	23/12/2011	15.30	Stn T/F to unit aux.changeover.	
CPP WPCL U-2	135	23/12/2011	17.38		Continued.	Bottom ash problem.	
CPP WPCL U-3	135	23/12/2011	23.55	24/12/2011	02.38	trip on BFT.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Dec/2011

Position as on 6.30 Hrs of 24/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-S'Sarovar I	22/12/2011	09.44		Continued.	Insulator replacement work(Ready for charging at 17.40Hrs)
Padgha-Bhoisor (PGCIL)	23/12/2011	08.16	23/12/2011	19.46	Bay maintenance work.
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)
220 KV Road side Bus @ Kalwa	23/12/2011	07.05	23/12/2011	16.28	Replacement of single core by double core conductor.
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 - I	22/12/2011	20.47	23/12/2011	14.38	Over Voltage
Kolhapur - Mapusa - I	23/12/2011	21.37		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.
New Koyana - Karad - I	21/12/2011	15.34		Continued.	Taken on TBC to attend Breaker Problem
400/220 KV 600 MVA ICT-II @ Kalwa	23/12/2011	09.00		Continued.	Routine annual testing of ICT-II,and bay equipments.
Deepnagar-Waluj II	23/12/2011	16.40	23/12/2011	16.42	First time charge.
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 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 23.12.2011.
220/100 KV 200 MVA ICT - IV @ Apta	22/12/2011	11.37	23/12/2011	17.35	HV side CT 3 Nos.relay.
Kalwa-Temghar	23/12/2011	05.42	23/12/2011	17.16	Road side Bus outage at 220KV Kalwa
Kalwa-Taloja	23/12/2011	05.44	23/12/2011	16.57	Road side bus outage at 220KV Kalwa.
Sahara-Urse	23/12/2011	06.04	23/12/2011	11.40	Taurus measurement.
220/100KV 200MVA ICT-IV at Kalwa	23/12/2011	07.05	23/12/2011	16.49	Replacement of single core by double core conductor.
Halkarni-Tillari	23/12/2011	07.35	23/12/2011	18.13	Tan delta measurement.
Main Bus - I @ Versova	23/12/2011	08.50	23/12/2011	16.23	Annual maint.work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Dec/2011

Position as on 6.30 Hrs of 24/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Uran-Kharghar-II	23/12/2011	09.09	23/12/2011	17.52	R.M.Work
Jambhul - Anandnagar	23/12/2011	09.10	23/12/2011	17.28	220KV Main Bus outage at Jambul S/S.
Jambul - Pal	23/12/2011	09.11	23/12/2011	17.10	220KV Main Bus outage at Jambul S/S.
Padgha-Jambhul-I	23/12/2011	09.13	23/12/2011	16.45	220KV Main Bus outage at Jambul S/S.
Padgha-Jambhul II	23/12/2011	09.14	23/12/2011	17.54	220KV Main Bus outage at Jambul S/S.
Main Bus - I at Nagothane	23/12/2011	10.38	23/12/2011	15.16	R.M.Work
Main Bus - I @ Aurangabad	23/12/2011	10.42	23/12/2011	13.14	Replacement of B-Ph C.T.
Bhandara - Rly TSS - II	23/12/2011	12.33	23/12/2011	14.06	HT meter replacement work
Bhandara - Rly TSS - I	23/12/2011	15.22	23/12/2011	16.10	HT meter replacement work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Boisar MIDC - Dahanu - II	23/12/2011	09.45	23/12/2011	12.40	Repl.of LA uner LES.
Ashti - Mul	23/12/2011	11.10	23/12/2011	13.10	Measurement of tandelta of CT.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV 200 MVA ICT-II @ Kolshet	23/12/2011	10.41	23/12/2011	17.41	Attending hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	22/12/2011	19.59	23/12/2011	08.06	Over Voltage
Karad - Kolhapur - I	23/12/2011	00.06	23/12/2011	13.31	Over Voltage
Bhusawal- Aurangabad	23/12/2011	19.57		Continued.	Over Voltage.
Karad - Kolhapur - II	23/12/2011	20.14		Continued.	Over Voltage.
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 24/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	135
Unit 7	210	135
	620	420
Bhusawal		
Unit 2	210	140
Unit 3	210	180
Unit 4	500	
	920	320
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	112
Unit 6	250	220
Unit 7	250	180
	1130	667
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	360
	2340	1935
Paras		
Unit 3	250	225
Unit 4	250	225
	500	450
Khaparkheda		
Unit 1	210	180
Unit 2	210	170
Unit 3	210	190
Unit 4	210	190
Unit 5	500	
	1340	730
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	520
	852	520
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	60
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	17
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	29
GHATGHAR	250	0
	611	219
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	240
Other CPPs	0	
	1005	1065
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	422
	2024	1852
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4808
	3455	4808

	17900	7 of 7	15266
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