



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Dec/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.219	2519.489	1) Gujrat	8.914	142.794
2) Hydro	5.973	279.586	2) Madhya Pradesh	20.028	450.535
3) Gas	13.753	296.635	3) Chattisgarh	12.400	300.460
Total MSGENCO	144.945	3095.710	4) Maharashtra	40.911	1116.821
B) OTHERS			5) Goa	-6.180	-136.689
1) JSW JAIGAD	20.008	498.699	6) TAPS 1&2 Injection	7.822	168.716
2) WPCL	5.828	162.615	7) RGPPL Injection	26.633	616.535
3) Other CPP / IPP	5.965	156.181	8) Pench (Excess)	-0.518	-10.890
4) Wind Generation	4.284	64.789	# Total Cent. Sector	110.010	2648.282
5) PENCH (MS)	0.518	10.890	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.154	-165.082
1) TPCL Thermal	27.986	620.827	G) Bilateral Power *		
2) TPCL Hydro	4.555	78.386	1) MSEDCL Bilateral	37.633	820.874
TOTAL TPCL	32.541	699.213	Include PX	4.130	68.908
3) REL Thermal	12.630	263.546	2) MUMBAI Bilateral	9.251	241.349
D) STATE			Include PX	-0.250	2.846
1) Thermal (A1+C1+C3)	165.835	3403.862	3) MUMBAI Schedule	9.251	250.929
2) Hydro (A2+B5+C2)	11.046	368.862	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.753	296.635	1) MSEDCL	286.404	6472.084
4) Wind (B4)	4.284	64.789	2) TPCL	34.027	759.111
5) CPP (B1+B2+B3)	31.801	817.495	3) REL	16.294	368.670
TOTAL STATE	226.719	4951.643	TOTAL STATE	336.725	7599.865

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	5209	5248	5076
MSGENCO Hydro	301	288	143
MSGENCO Gas	573	593	557
MSGENCO Total Generation	6083	6129	5776
Central Sector Receipt	5290	4773	4035
WIND	150	152	263
CPP / IPP	1393	1325	1236
Exchange with Mumbai	-244	-344	-111
MSEDCL DEMAND MET	12722	12082	11199
Load Shedding (LS)	1787	849	137
MSEDCL DEMAND (INCL. LS)	14509	12931	11336
TPCL GENERATION	1777	1706	820
REL GENERATION	527	527	527
TPCL+REL DEMAND	2548	2577	1458
STATE DEMAND MET	15270	14659	12657
Load Management (LM)	2344	3620	1576
Total Load Relief (LS+LM)	4131	4469	1713
UNRESTRICTED STATE DEMAND	19401	19128	14370
Frequency (Hz)	49.65	49.68	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 04.04 Hrs	49.06 Hz at 14.44 Hrs	49.75	1.56 % 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 22/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.52	60.01	162	122	142
Unit 6	3.28	59.93	170	110	150
Unit 7	4.01	80.28	180	150	168
Total	10.81	200.22			460
Bhusawal					
Unit 2	4.23	60.94	190	150	180
Unit 3	4.26	91.48	190	150	180
Unit 4		0.00	0	0	
Total	8.49	152.42			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.16	89.51	186	158	165
Unit 5	2.91	62.74	143	92	135
Unit 6	5.24	92.11	250	170	190
Unit 7	4.41	84.82	230	145	155
Total	16.72	329.18			645
Chandrapur					
Unit 1	3.61	80.51	156	144	160
Unit 2	3.61	63.60	160	137	140
Unit 3	4.16	92.15	178	166	180
Unit 4	4.90	107.08	208	188	210
Unit 5	10.84	203.32	460	440	450
Unit 6	10.67	131.44	474	410	450
Unit 7	8.46	199.55	358	345	360
Total	46.26	877.65			1950
Paras					
Unit 3	4.74	88.81	246	158	190
Unit 4	4.36	89.16	200	161	190
Total	9.10	177.97			380
Khaparkheda					
Unit 1	4.65	97.41	210	170	200
Unit 2	4.56	93.18	200	172	190
Unit 3	5.04	105.69	219	191	210
Unit 4	4.91	103.82	214	187	210
Unit 5	0.00	71.15	0	0	
Total	19.16	471.25			810
Nasik					
Unit 3	5.17	107.34	220	210	210
Unit 4	4.94	106.14	210	196	210
Unit 5	4.57	97.32	195	181	190
Total	14.68	310.80			610
Uran					
All Units	13.75	296.64	600	461	500
Total	13.75	296.64			500
PENCH (MS)					
Pench (MS)	0.52	10.89	51	0	
Total	0.52	10.89			
Koyna					
Stage 1-2	1.27	80.10	150	40	600
Stage 4	0.00	84.68	0	0	250
Stage 3	0.25	36.04	126	0	320
Total	1.52	200.82			1170
Kovna 12&4 Total	1.27	164.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	6.44	20	19	0
VTRNA	1.00	3.01	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.46	3.96	19	19	8
BHIRA T.R.	0.11	4.24	80	0	40
RNGR+BHTSA	0.40	8.40	17	16	15
BHANDARDRA	0.00	1.09	0	0	20
ELDARY	0.33	5.26	15	8	14
SMLHY PTN	0.66	19.55	36	24	21
GHATGHAR	1.02	26.82	250	0	0
Total	4.45	78.76			178
Wind					
MalharPeth	0.24	4.10			
Vankuswadi	0.51	8.22			
ATIT	0.05	2.04			
Kale	0.14	2.52			
Satara	0.32	11.56			
Shirala	0.14	2.74			
K Mahankal	0.70	4.44			
Supa	0.07	1.31			
Vita	0.54	9.82			
Dondaicha	1.01	10.62			
Sakri	0.10	0.95			
Nandurbar	0.09	1.10			
Khandke	0.20	3.09			
Khaparale	0.16	2.28			
Total	4.28	64.79			
CPP					
JSW JAIGAD	20.01	498.70	917	716	825
WARDHA	5.83	162.62	247	235	242
Other CPPs	5.96	156.18			
Total	31.80	817.50			1067
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.93	246.59	503	286	490
Trombay 6	7.60	150.74	496	154	500
Trombay 7A	2.78	59.79	128	72	120
Trombay 7B	1.52	33.30	67	51	60
Trombay 8	5.16	130.40	251	180	250
TATA Hydro	4.56	78.39	459	0	447
Total	32.54	699.21			1867
REL					
1&2	12.63	263.55	528	524	500
Total	12.63	263.55			500
Cent Sect					
Share					4780
Total					4780

MS PG CL	Thermal	125.22	2519.49		5215
	Thml+Gas	138.97	2816.12		5715
	Hydro	5.97	279.59		1348
	Total	144.94	3095.71		7063
State Total		226.72	4951.64		15277

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	5078	137	461	5676	159	1241	4475	4361	-386	-118	11319	1978	11442	1657	14954	49.74
2	5108	133	556	5797	193	1213	4453	4245	-287	-167	11281	1972	11427	1535	14788	49.88
3	5076	143	557	5776	263	1236	4496	4035	-239	-111	11199	1713	11336	1458	14370	49.97
4	5063	132	556	5751	314	1225	4521	4035	-223	-85	11240	1783	11301	1424	14447	49.98
5	5062	137	554	5753	356	1235	4501	4329	-215	-71	11602	1874	11704	1414	14890	49.97
6	5270	194	555	6019	330	1390	4618	4363	-138	-36	12066	2410	12560	1494	15970	49.75
7	5318	210	582	6110	287	1396	4707	4259	-241	-54	12025	3188	13016	1640	16853	49.64
8	5377	280	583	6240	284	1427	4785	4875	-303	-188	12665	3585	13741	1775	18025	49.65
9	5326	228	575	6129	220	1436	4840	4721	-351	-326	12205	3838	13533	2045	18088	49.50
10	5277	292	567	6136	188	1433	4903	4828	-409	-279	12331	4257	14118	2336	18924	49.50
11	5171	224	572	5967	168	1432	5222	5118	-457	-288	12444	4206	14301	2531	19181	49.76
12	5209	301	573	6083	150	1393	5233	5290	-472	-244	12722	4131	14509	2548	19401	49.65
13	5267	320	581	6168	131	1366	5218	5094	-449	-222	12588	4131	14376	2514	19233	49.69
14	5303	348	581	6232	97	1384	5179	5161	-411	-250	12675	3762	14139	2487	18924	49.89
15	5250	554	573	6377	81	1358	5169	5164	-411	-258	12773	3421	13995	2482	18676	49.57
16	5245	621	592	6458	55	1331	5160	4844	-411	-314	12397	3525	13813	2513	18435	49.66
17	5249	258	593	6100	67	1329	4746	4622	-509	-247	11878	3895	13358	2519	18292	49.66
18	5241	151	593	5985	98	1338	4655	4207	-411	-268	11385	3930	12450	2526	17841	49.77
19	5248	288	593	6129	152	1325	4910	4773	-540	-344	12082	4469	12931	2577	19128	49.68
20	5289	283	595	6167	153	1333	4959	4825	-528	-343	12155	4368	12846	2544	19067	49.74
21	5297	205	598	6100	129	1323	4938	4453	-499	-294	11732	4137	12213	2365	18234	49.84
22	5234	199	596	6029	127	1258	4928	3951	-485	-241	11145	3704	11215	2163	17012	49.87
23	5172	200	600	5972	138	1209	4855	4178	-472	-227	11270	3320	11340	1974	16564	49.81
24	5085	135	567	5787	144	1190	4679	4283	-407	-179	11225	2686	11295	1804	15715	49.93
MUs	125.2 2	5.97	13.75	144.94	4.28	31.80	116.15	110.01	-9.25	-5.15	286.40	80.28	306.96	50.32	417.01	49.75

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 22/Dec/2011

Position as on 6.30 Hrs of 23/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
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	
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Ash handling problem	
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	Ash handling problem	
CPP WPCL U-3	135	21/12/2011	02.15		Continued.	UAT Problem	
Cent_Sect NTPC(V-8)	500	21/12/2011	17.52	22/12/2011	00.56	Flame Failure	
Koyna Unit 10	80	22/12/2011	08.00	22/12/2011	17.50	R.M.Work	
Koyna ST-IV 1	250	22/12/2011	09.30	22/12/2011	16.00	Preventive Maintenance work	
Uran Unit 7	108	23/12/2011	00.23		Continued.	Filter replacement	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2011

Position as on 6.30 Hrs of 23/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)
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.
Parly(PG) - Wardha (PG) - I	16/12/2011	22.06		Continued.	Over Voltage
Kolhapur - Mapusa - II	17/12/2011	19.43	22/12/2011	10.44	Over Voltage.
Dhule-Sar'Sarovar - I	18/12/2011	23.17	22/12/2011	08.26	Over Voltage.
Kolhapur - Mapusa - I	22/12/2011	20.47		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 Koyna - Karad - I	21/12/2011	15.34		Continued.	Taken on TBC to attend Breaker Problem
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.
Bhosari - Chakan	22/12/2011	08.15	22/12/2011	18.36	Annual Maint.work
Lonikand -Theur - II	22/12/2011	09.11	22/12/2011	16.06	Maint.work
Kandalgaon-Bhira	22/12/2011	09.16	22/12/2011	22.00	Bus Outage
Kandalgaon - ONGC	22/12/2011	09.21	22/12/2011	21.56	Bus Outage
Kandalgaon - Pirangut	22/12/2011	09.23	22/12/2011	21.40	Bus Outage
Kandalgaon - Dasturi	22/12/2011	09.29	22/12/2011	21.28	Bus Outage
Kandalgaon - Topworth	22/12/2011	09.40	22/12/2011	21.31	Bus Outage
Kandalgaon-Lonand	22/12/2011	09.50	22/12/2011	21.09	Bus Outage
Kandalgaon-Pophali-I	22/12/2011	09.50	22/12/2011	20.40	Bus Outage
Main Bus at Kandalgaon	22/12/2011	09.50	22/12/2011	20.40	Erection of 220KV Bus Isolator and stringing of Twin Bus
Chinchwad-Parvati	22/12/2011	09.59	22/12/2011	15.16	Maint.work
Karad-Oglewadi-I	22/12/2011	10.14	22/12/2011	21.32	CT replacement work

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2011

Position as on 6.30 Hrs of 23/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/33KV 100MVA T/F-I at Jamde	22/12/2011	10.23	22/12/2011	12.52	33KV Bus Commissioning work
220/33 KV 100 MVA ICT - II @ Jamde	22/12/2011	10.24	22/12/2011	12.48	33KV Bus Commissioning work
220/132KV 100MVA T/F-II at Kharepatan	22/12/2011	11.05	22/12/2011	17.50	R.M.Work
Hinganghat - Rly TSS - I	22/12/2011	13.32	22/12/2011	16.40	Measurement of Tan Delta of CT
220/33KV 100 MVA T/F - III @ Jamde	22/12/2011	15.15	22/12/2011	16.38	33KV Bus Commissioning work
220/33KV 100MVA T/F-IV at Jamde	22/12/2011	15.15	22/12/2011	16.40	33KV Bus Commissioning work
220/132KV 200MVA ICT-II at Dhule	22/12/2011	19.27	22/12/2011	19.35	To attend Hot Spot on M.B.Isolator
Kalwa-Temghar	23/12/2011	05.42		Continued.	Road side Bus outage at 220KV Kalwa
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT - II @ Jejuri	22/12/2011	00.11	22/12/2011	05.33	Testing work of Load Trimming Scheme
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.
400/220KV 500MVA ICT- I at Khaperkheda	16/12/2011	11.57	22/12/2011	13.36	Due to CTR low nitrogen pressure alarm received.
Bhusawal- Aurangabad	21/12/2011	19.58	22/12/2011	07.10	Over Voltage
Karad - Kolhapur - I	21/12/2011	21.09	22/12/2011	07.20	Over Voltage
Bhusawal- Aurangabad	22/12/2011	19.59		Continued.	Over Voltage
Karad - Kolhapur - I	23/12/2011	00.06		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).
Sahara-Urse	21/12/2011	16.02	22/12/2011	01.41	Distance protection
Sahara-Urse	22/12/2011	02.55	22/12/2011	09.47	Distance Protection(Declared Faulty)
Bhugaon-Pusad	22/12/2011	13.41	22/12/2011	13.54	Tripped on PDR at Pusad end only
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad - Umarkhed	22/12/2011	20.43	22/12/2011	20.51	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	140
Unit 7	210	168
	620	448
Bhusawal		
Unit 2	210	150
Unit 3	210	180
Unit 4	500	
	920	330
Parli		
Unit 3	210	0
Unit 4	210	195
Unit 5	210	130
Unit 6	250	190
Unit 7	250	165
	1130	680
Chandrapur		
Unit 1	210	155
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	360
	2340	1905
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
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	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	450
	852	450
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	19
BHIRA T.R.	80	0
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	13
GHATGHAR	250	0
	611	142
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	363
Other CPPs	0	
	1005	1188
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	4840
	3455	4840

	17900	7 of 7	15290
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