



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Dec/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.522	2394.270	1) Gujrat	13.014	133.880
2) Hydro	13.566	273.613	2) Madhya Pradesh	18.742	430.507
3) Gas	11.107	282.882	3) Chattisgarh	11.360	288.060
Total MSGENCO	147.195	2950.765	4) Maharashtra	40.969	1075.910
B) OTHERS			5) Goa	-5.520	-130.509
1) JSW JAIGAD	19.130	478.691	6) TAPS 1&2 Injection	7.749	160.894
2) WPCL	4.034	156.787	7) RGPPL Injection	26.498	589.902
3) Other CPP / IPP	6.791	150.216	8) Pench (Excess)	-0.655	-10.372
4) Wind Generation	4.127	60.505	# Total Cent. Sector	112.157	2538.272
5) PENCH (MS)	0.655	10.372	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.585	-159.928
1) TPCL Thermal	28.175	592.841	G) Bilateral Power *		
2) TPCL Hydro	3.954	73.831	1) MSEDCL Bilateral	35.577	783.240
TOTAL TPCL	32.129	666.672	Include PX	0.705	64.778
3) REL Thermal	12.624	250.916	2) MUMBAI Bilateral	9.795	232.097
D) STATE			Include PX	0.314	3.095
1) Thermal (A1+C1+C3)	163.321	3238.027	3) MUMBAI Schedule	9.795	241.677
2) Hydro (A2+B5+C2)	18.175	357.816	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.107	282.882	1) MSEDCL	288.504	6185.680
4) Wind (B4)	4.127	60.505	2) TPCL	33.894	725.084
5) CPP (B1+B2+B3)	29.955	785.694	3) REL	16.442	352.376
TOTAL STATE	226.685	4724.924	TOTAL STATE	338.840	7263.140

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	5207	5264	4735
MSGENCO Hydro	1106	502	134
MSGENCO Gas	445	452	459
MSGENCO Total Generation	6758	6218	5328
Central Sector Receipt	4987	4907	4533
WIND	167	132	275
CPP / IPP	1210	1367	1142
Exchange with Mumbai	-301	-331	-114
MSEDCL DEMAND MET	12868	12346	11164
Load Shedding (LS)	2078	1403	372
MSEDCL DEMAND (INCL. LS)	14946	13749	11536
TPCL GENERATION	1707	1724	801
REL GENERATION	527	524	526
TPCL+REL DEMAND	2535	2579	1441
STATE DEMAND MET	15403	14925	12605
Load Management (LM)	2551	3720	1648
Total Load Relief (LS+LM)	4629	5123	2020
UNRESTRICTED STATE DEMAND	20032	20048	14625
Frequency (Hz)	49.56	49.51	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 05:06 Hrs	48.91 Hz at 18:10 Hrs	49.65	3.09 % 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 21/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.00	56.49	150	0	0
Unit 6	3.60	56.65	165	121	155
Unit 7	4.26	76.26	190	165	160
Total	9.86	189.40			315
Bhusawal					
Unit 2	4.43	56.71	195	170	180
Unit 3	4.31	87.22	185	165	180
Unit 4	0.00	0.00	0	0	0
Total	8.74	143.93			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.17	85.35	183	166	170
Unit 5	3.11	59.84	146	115	125
Unit 6	4.48	86.87	228	142	200
Unit 7	4.05	80.42	200	134	155
Total	15.81	312.47			650
Chandrapur					
Unit 1	3.53	76.90	157	130	160
Unit 2	3.62	59.99	158	127	150
Unit 3	4.20	87.99	181	169	180
Unit 4	4.95	102.18	210	202	210
Unit 5	10.80	192.48	460	435	450
Unit 6	10.50	120.77	460	410	425
Unit 7	8.38	191.08	355	325	360
Total	45.99	831.39			1935
Paras					
Unit 3	4.22	84.06	207	136	160
Unit 4	4.08	84.81	211	115	160
Total	8.30	168.87			320
Khaparkheda					
Unit 1	4.68	92.76	210	160	200
Unit 2	4.53	88.62	197	170	200
Unit 3	5.07	100.65	217	196	210
Unit 4	4.97	98.91	215	193	210
Unit 5	0.00	71.15	0	0	0
Total	19.26	452.08			820
Nasik					
Unit 3	5.18	102.18	220	210	210
Unit 4	4.91	101.20	210	195	210
Unit 5	4.49	92.74	192	181	190
Total	14.57	296.12			610
Uran					
All Units	11.11	282.88	546	437	580
Total	11.11	282.88			580
PENCH (MS)					
Pench (MS)	0.66	10.37	53	0	0
Total	0.66	10.37			0
Koyna					
Stage 1-2	3.43	78.83	425	40	600
Stage 4	3.43	84.68	635	0	250
Stage 3	1.54	35.79	226	0	320
Total	8.41	199.30			1170
Kovna 12&4 Total	6.86	163.51			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.24	5.97	19	0	0
VTRNA	0.93	2.01	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.46	3.50	20	19	4
BHIRA T.R.	0.16	4.13	78	0	80
RNGR+BHTSA	0.39	8.00	17	16	16
BHANDARDRA	0.41	1.09	18	17	25
ELDARY	0.34	4.93	15	14	14
SMLHY PTN	0.68	18.89	36	25	11
GHATGHAR	1.53	25.80	250	0	0
Total	5.16	74.31			210
Wind					
MalharPeth	0.22	3.86			
Vankuswadi	0.49	7.70			
ATIT	0.05	1.99			
Kale	0.18	2.38			
Satara	1.00	11.24			
Shirala	0.17	2.60			
K Mahankal	0.01	3.74			
Supa	0.07	1.24			
Vita	0.52	9.28			
Dondaicha	0.95	9.61			
Sakri	0.07	0.84			
Nandurbar	0.10	1.01			
Khandke	0.14	2.89			
Khaparale	0.16	2.12			
Total	4.13	60.50			
CPP					
JSW JAIGAD	19.13	478.69	833	722	825
WARDHA	4.03	156.79	244	111	113
Other CPPs	6.79	150.22			
Total	29.96	785.69			938
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.72	235.66	500	283	500
Trombay 6	7.40	143.15	497	156	500
Trombay 7A	2.83	57.01	126	103	120
Trombay 7B	1.51	31.78	66	57	60
Trombay 8	5.72	125.24	251	185	250
TATA Hydro	3.95	73.83	384	0	447
Total	32.13	666.67			1877
REL					
1&2	12.62	250.92	528	524	500
Total	12.62	250.92			500
Cent Sect					
Share					4963
Total					4963

MS PG CL	Thermal	122.52	2394.27			5010
	Thml+Gas	133.63	2677.15			5590
	Hydro	13.57	273.61			1380
	Total	147.20	2950.76			6970
State Total		226.68	4724.92			15248

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4809	200	528	5537	142	1252	4603	4498	-374	-107	11322	2089	11496	1654	15065	49.69
2	4763	148	546	5457	219	1247	4552	4538	-310	-151	11310	2203	11638	1509	15022	49.85
3	4735	134	459	5328	275	1142	4496	4533	-249	-114	11164	2020	11536	1441	14625	49.95
4	4793	134	472	5399	317	1107	4486	4565	-228	-86	11302	2261	11729	1411	14974	49.90
5	4866	134	471	5471	324	1143	4487	4499	-222	-90	11347	2367	11823	1412	15126	49.75
6	4948	229	476	5653	295	1232	4386	4594	-132	-65	11716	2719	12418	1511	15946	49.81
7	5069	256	470	5795	299	1224	4504	4415	-246	-75	11684	3779	13195	1648	17111	49.60
8	5052	641	471	6164	248	1230	4571	4791	-297	-153	12306	4164	13905	1781	18251	49.64
9	5109	894	455	6458	216	1226	4620	4659	-345	-217	12369	4401	14039	2013	18783	49.55
10	5138	1144	455	6737	197	1235	4676	4656	-403	-231	12619	4667	14630	2276	19562	49.35
11	5155	949	440	6544	219	1224	4857	4979	-496	-282	12722	4638	14827	2493	19853	49.67
12	5207	1106	445	6758	167	1210	4875	4987	-519	-301	12868	4629	14946	2535	20032	49.56
13	5262	1021	446	6729	106	1224	4879	4996	-519	-355	12748	4710	14909	2573	20031	49.59
14	5188	979	440	6607	70	1215	4777	5219	-423	-279	12879	4331	14712	2472	19682	49.66
15	5208	1344	440	6992	62	1243	4858	5045	-504	-347	13042	4018	14755	2489	19549	49.51
16	5291	1456	437	7184	39	1268	4852	4671	-528	-360	12844	4016	14661	2533	19393	49.52
17	5281	593	450	6324	65	1305	4749	4673	-542	-342	12028	4581	14006	2513	19122	49.48
18	5247	211	452	5910	93	1346	4666	4384	-429	-301	11469	4697	13129	2510	18676	49.63
19	5264	502	452	6218	132	1367	4828	4907	-562	-331	12346	5123	13749	2579	20048	49.51
20	5273	640	455	6368	144	1260	4802	4893	-547	-362	12356	4843	13429	2574	19773	49.65
21	5290	312	465	6067	144	1324	4802	4727	-542	-338	11976	4578	12810	2385	18939	49.68
22	5276	239	460	5975	123	1321	4762	4382	-493	-272	11581	4351	12217	2193	18125	49.73
23	5216	150	461	5827	111	1325	4689	4207	-478	-257	11233	3943	11817	2004	17180	49.59
24	5082	150	461	5693	120	1285	4513	4339	-410	-169	11273	3217	11664	1829	16319	49.64
MUs	122.5 2	13.57	11.11	147.20	4.13	29.96	112.29	112.16	-9.80	-5.58	288.50	92.34	318.04	50.34	431.19	49.65

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 21/Dec/2011

Position as on 6.30 Hrs of 22/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.	22/12/2011
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.	22/12/2011
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	
Koradi Unit 5	200	18/12/2011	02:24	21/12/2011	07.10	Coal mill problem.	
CPP WPCL U-1	135	19/12/2011	13.16	21/12/2011	13.41	Bottom ash scraper chain conveyor broken.	
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	
Uran Unit 6	108	21/12/2011	01.52	21/12/2011	21.03	Generator Cooler Leakage	
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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2011

Position as on 6.30 Hrs of 22/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		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		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	18/12/2011	23.17		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.
Main Bus - II @ Lamboti	21/12/2011	11.15	21/12/2011	14.14	Q.M.Work
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.
Girawli - Parly - IV	21/12/2011	08.46	21/12/2011	15.46	Replacement of Jumper of 29A Isolator
Vita - Karad II	21/12/2011	09.02	21/12/2011	20.35	CT replacement work
Pophali - KDPH	21/12/2011	09.55	21/12/2011	10.55	Bus side Isolator Problem
Vankuswadi-KDPH	21/12/2011	09.55	21/12/2011	10.55	Bus side Isolator Problem
Halkarni - Tillari - II	21/12/2011	10.03	21/12/2011	18.34	Disc replacement
Abhijeet-Wardha-I	21/12/2011	10.17	21/12/2011	12.26	To attend Hot Spot
Apta-Uran-IV	21/12/2011	11.13	21/12/2011	22.21	Tan delta measurement
Vita-Maisal	21/12/2011	11.52	21/12/2011	16.55	Replacement of Insulator
Lamboti - Pandharpur	21/12/2011	14.22	21/12/2011	18.01	W.T.Replacement
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 Strengthening.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT	22/12/2011	00.11		Continued.	Testing work of Load Trimming

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2011

Position as on 6.30 Hrs of 22/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
- II @ Jejuri					Scheme
Voltage Level : 220KV					Outage Type FORCED OUTAGE
Kalwa-Mulund	21/12/2011	18.20	21/12/2011	20.51	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 nitrogen pressure fire alarm received.
400/220KV 500MVA ICT- I at Khaperkheda	16/12/2011	11.57		Continued.	Due to CTR low nitrogen pressure alarm received.
Bhusawal- Aurangabad	20/12/2011	18.01	21/12/2011	07.47	Over Voltage
Karad - Kolhapur - II	20/12/2011	21.22	21/12/2011	09.28	Over Voltage
Bhusawal- Aurangabad	21/12/2011	19.58		Continued.	Over Voltage
Karad - Kolhapur - I	21/12/2011	21.09		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		Continued.	Distance Protection(Declared Faulty)
Voltage Level : 132KV					Outage Type TRIPPED
Amalner - Chopda	20/12/2011	21.35	21/12/2011	00.30	132KV Bus Bar Prot.operated at Amalner due to 25MVA T/F-I B Phase CT Burst at 132KV Dharangaon.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	142
Unit 6	210	150
Unit 7	210	168
	620	460
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	165
Unit 5	210	135
Unit 6	250	190
Unit 7	250	155
	1130	645
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	360
	2340	1950
Paras		
Unit 3	250	190
Unit 4	250	190
	500	380
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	500
	852	500
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	0
VTRNA	60	60
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	8
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	20
ELDARY	23	14
SMLHY PTN	12	21
GHATGHAR	250	0
	611	178
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	242
Other CPPs	0	
	1005	1067
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4780
	3455	4780

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