



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Dec/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.642	2271.748	1) Gujrat	5.743	120.866
2) Hydro	18.066	260.047	2) Madhya Pradesh	20.572	411.765
3) Gas	14.053	271.775	3) Chattisgarh	12.600	276.700
Total MSGENCO	145.761	2803.570	4) Maharashtra	46.262	1034.941
B) OTHERS			5) Goa	-6.310	-124.989
1) JSW JAIGAD	20.129	459.561	6) TAPS 1&2 Injection	7.724	153.145
2) WPCL	5.778	152.753	7) RGPPL Injection	26.180	563.404
3) Other CPP / IPP	7.443	143.425	8) Pench (Excess)	-0.604	-9.717
4) Wind Generation	3.349	56.378	# Total Cent. Sector	112.167	2426.115
5) PENCH (MS)	0.604	9.717	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.225	-154.343
1) TPCL Thermal	28.282	564.666	G) Bilateral Power *		
2) TPCL Hydro	3.629	69.877	1) MSEDCL Bilateral	33.111	747.663
TOTAL TPCL	31.911	634.543	Include PX	1.615	64.074
3) REL Thermal	12.624	238.292	2) MUMBAI Bilateral	9.892	222.302
D) STATE			Include PX	0.439	2.782
1) Thermal (A1+C1+C3)	154.548	3074.706	3) MUMBAI Schedule	9.892	231.882
2) Hydro (A2+B5+C2)	22.299	339.641	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.053	271.775	1) MSEDCL	289.006	5897.176
4) Wind (B4)	3.349	56.378	2) TPCL	34.195	691.190
5) CPP (B1+B2+B3)	33.350	755.739	3) REL	16.565	335.934
TOTAL STATE	227.599	4498.239	TOTAL STATE	339.766	6924.300

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	4707	4678	4806
MSGENCO Hydro	1465	1262	130
MSGENCO Gas	577	601	540
MSGENCO Total Generation	6749	6541	5476
Central Sector Receipt	4919	4776	4515
WIND	191	175	92
CPP / IPP	1400	1400	1342
Exchange with Mumbai	-277	-489	-66
MSEDCL DEMAND MET	13036	12450	11359
Load Shedding (LS)	1873	1292	83
MSEDCL DEMAND (INCL. LS)	14909	13742	11442
TPCL GENERATION	1750	1569	872
REL GENERATION	525	526	527
TPCL+REL DEMAND	2552	2584	1465
STATE DEMAND MET	15588	15034	12824
Load Management (LM)	2341	3703	1609
Total Load Relief (LS+LM)	4214	4995	1692
UNRESTRICTED STATE DEMAND	19802	20029	14516
Frequency (Hz)	49.56	49.55	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 04:57 Hrs	48.86 Hz at 14:17 Hrs	49.64	3.65 % 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 20/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	54.49	0	0	0
Unit 6	3.74	53.05	170	129	135
Unit 7	3.85	72.01	175	130	165
Total	7.59	179.55			300
Bhusawal					
Unit 2	2.96	52.28	185	0	100
Unit 3	4.18	82.91	185	160	180
Unit 4	0.00	0.00	0	0	0
Total	7.14	135.19			280
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	2.76	81.18	178	0	0
Unit 5	2.92	56.73	137	103	110
Unit 6	3.88	82.39	247	0	185
Unit 7	3.75	76.36	194	134	160
Total	13.31	296.66			455
Chandrapur					
Unit 1	2.69	73.37	142	75	160
Unit 2	2.56	56.37	153	67	150
Unit 3	3.72	83.78	177	109	180
Unit 4	4.26	97.23	205	105	210
Unit 5	10.73	181.68	460	415	450
Unit 6	10.28	110.26	469	398	425
Unit 7	8.25	182.70	361	315	380
Total	42.47	785.40			1955
Paras					
Unit 3	4.27	79.84	202	151	170
Unit 4	4.17	80.73	214	148	170
Total	8.44	160.57			340
Khaparkheda					
Unit 1	4.24	88.08	205	150	170
Unit 2	4.37	84.09	198	155	170
Unit 3	4.98	95.58	219	194	190
Unit 4	4.83	93.94	214	187	190
Unit 5	1.88	71.15	174	0	0
Total	20.30	432.83			720
Nasik					
Unit 3	5.20	97.00	220	210	210
Unit 4	4.66	96.30	210	151	210
Unit 5	4.54	88.25	195	184	190
Total	14.39	281.55			610
Uran					
All Units	14.05	271.78	636	519	600
Total	14.05	271.78			600
PENCH (MS)					
Pench (MS)	0.60	9.72	54	0	0
Total	0.60	9.72			0
Koyna					
Stage 1-2	5.04	75.40	575	40	600
Stage 4	5.75	81.25	980	0	250
Stage 3	2.27	34.24	240	0	320
Total	13.06	190.89			1170
Kovna 12&4 Total	10.79	156.65			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	5.73	0	0	0
VTRNA	0.39	1.08	61	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.08	3.04	4	3	3
BHIRA T.R.	0.17	3.97	71	0	80
RNGR+BHTSA	0.38	7.60	17	16	17
BHANDARDRA	0.60	0.68	25	24	5
ELDARY	0.34	4.59	15	12	15
SMLHY PTN	0.78	18.21	40	29	11
GHATGHAR	2.26	24.26	240	0	0
Total	5.00	69.15			131
Wind					
MalharPeth	0.22	3.65			
Vankuswadi	0.50	7.21			
ATIT	0.04	1.94			
Kale	0.12	2.21			
Satara	0.85	10.24			
Shirala	0.12	2.43			
K Mahankal	0.02	3.72			
Supa	0.05	1.17			
Vita	0.34	8.76			
Dondaicha	0.63	8.66			
Sakri	0.04	0.78			
Nandurbar	0.07	0.91			
Khandke	0.14	2.74			
Khaparale	0.20	1.96			
Total	3.35	56.38			
CPP					
JSW JAIGAD	20.13	459.56	903	788	825
WARDHA	5.78	152.75	244	238	242
Other CPPs	7.44	143.42			
Total	33.35	755.74			1067
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.07	224.94	501	286	500
Trombay 6	6.96	135.75	449	154	500
Trombay 7A	2.82	54.18	128	93	120
Trombay 7B	1.50	30.27	65	55	60
Trombay 8	5.94	119.53	253	223	250
TATA Hydro	3.63	69.88	399	0	447
Total	31.91	634.54			1877
REL					
1&2	12.62	238.29	528	525	500
Total	12.62	238.29			500
Cent Sect					
Share					4975
Total					4975

MS PG CL	Thermal	113.64	2271.75			4660
	Thml+Gas	127.70	2543.52			5260
	Hydro	18.07	260.05			1301
	Total	145.76	2803.57			6561
State Total		227.60	4498.24			14980

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4874	135	520	5529	96	1341	4647	4622	-353	-137	11451	2037	11560	1667	15155	49.75
2	4800	135	547	5482	87	1341	4606	4426	-308	-103	11233	1973	11316	1538	14744	49.86
3	4806	130	540	5476	92	1342	4566	4515	-265	-66	11359	1692	11442	1465	14516	50.00
4	4661	130	575	5366	107	1336	4535	4612	-233	-40	11381	1866	11464	1420	14667	50.04
5	4595	134	605	5334	133	1362	4433	4730	-127	24	11583	1889	11666	1436	14908	49.99
6	4681	135	635	5451	199	1453	4595	4890	-143	45	12038	2200	12320	1523	15761	49.84
7	4816	278	636	5730	234	1397	4682	4723	-224	-32	12075	3229	13145	1649	16953	49.66
8	4830	422	633	5885	319	1388	4764	4610	-291	-135	12094	4020	13600	1761	17875	49.60
9	4836	815	590	6241	232	1388	4751	4631	-339	-249	12268	4098	13841	2013	18379	49.44
10	4813	1085	589	6487	199	1390	4769	4761	-387	-293	12584	4278	14466	2324	19186	49.52
11	4729	1267	580	6576	191	1390	4773	4867	-439	-282	12795	4301	14764	2522	19618	49.56
12	4707	1465	577	6749	191	1400	4795	4919	-484	-277	13036	4214	14909	2552	19802	49.56
13	4717	1179	582	6478	124	1403	4769	4778	-452	-265	12568	4359	14589	2545	19472	49.50
14	4699	1137	593	6429	78	1398	4846	5064	-532	-356	12663	4063	14434	2487	19213	49.56
15	4588	2035	583	7206	38	1400	4784	4719	-532	-450	12963	3758	14573	2537	19258	49.44
16	4567	2103	589	7259	30	1376	4769	4545	-532	-464	12796	3806	14516	2550	19152	49.50
17	4593	1167	599	6359	37	1398	4706	4465	-605	-498	11768	4342	13675	2570	18680	49.56
18	4609	727	589	5925	83	1405	4678	4690	-552	-473	11640	4481	13171	2554	18675	49.50
19	4678	1262	601	6541	175	1400	4766	4776	-557	-489	12450	4995	13742	2584	20029	49.55
20	4773	1082	589	6444	165	1408	4799	4640	-547	-411	12289	4757	13298	2561	19607	49.42
21	4794	604	603	6001	131	1402	4799	4822	-542	-462	11937	4528	12753	2479	18944	49.59
22	4847	263	598	5708	117	1412	4764	4345	-507	-348	11259	4290	11873	2191	17740	49.61
23	4819	191	581	5591	143	1410	4731	4506	-507	-290	11367	3944	11908	1994	17305	49.59
24	4810	185	519	5514	148	1410	4573	4511	-434	-174	11409	3187	11809	1838	16434	49.73
MUs	113.64	18.07	14.05	145.76	3.35	33.35	112.90	112.17	-9.89	-6.22	289.01	86.31	314.83	50.76	426.07	49.64

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 20/Dec/2011

Position as on 6.30 Hrs of 21/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	
Bhusawal Unit 2	210	16/12/2011	12.13	20/12/2011	04.20	BLR T/L.	
Koradi Unit 5	200	18/12/2011	02:24		Continued.	Coal mill problem.	22/12/2011
CPP WPCL U-1	135	19/12/2011	13.16		Continued.	Bottom ash scraper chain conveyor broken.	
Parli Unit 4	210	20/12/2011	03.47	20/12/2011	11.15	Loss of fuel.	
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	
Parli Unit 6	250	20/12/2011	14.22	20/12/2011	18.01	Tripped	
Uran Unit 6	108	21/12/2011	01.52		Continued.	Generator Cooler Leakage	
CPP WPCL U-3	135	21/12/2011	02.15		Continued.	UAT Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2011

Position as on 6.30 Hrs of 21/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.
80 MVAR Reactor @ Kharghar	13/12/2011	09.45	20/12/2011	12.00	Replacement of Bushing
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.
Babaleshwar - Bhusawal	20/12/2011	09.04	20/12/2011	17.49	Replacement of B Phase LA
New Koyna - Jaigad - II	20/12/2011	12.23	20/12/2011	23.20	R Phase Wavetrap replacement
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 14/12/2011).
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.
Vankuswade-Malharpeeth	20/12/2011	09.00	20/12/2011	14.30	Annual Maint.work
Aarey-Versova	20/12/2011	09.05	20/12/2011	17.16	Annual Maint.Work
Karad - Miraj	20/12/2011	09.10	20/12/2011	19.51	Conversion of 220KV Kadegaon Tap line to LILO
Lonand - Jejuri	20/12/2011	10.05	20/12/2011	12.55	To attend Red Hot Spot
Kalwa I-Taloja	20/12/2011	10.08	20/12/2011	12.28	To replace Nut Bolt
220/100KV 200MVA T/F - I at Apta	20/12/2011	11.04	20/12/2011	17.41	Relay replacement work
Main Bus @ Satara	20/12/2011	13.10	20/12/2011	15.30	Testing work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Bambhori - Dharangaon	20/12/2011	13.44	20/12/2011	15.17	For Phasing out work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2011

Position as on 6.30 Hrs of 21/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Karad - Kolhapur - I	18/12/2011	16.08	20/12/2011	09.56	Over Voltage.
Bhusawal- Aurangabad	19/12/2011	20.19	20/12/2011	06.18	Over Voltage.
Bhusawal- Aurangabad	20/12/2011	18.01		Continued.	Over Voltage
Karad - Kolhapur - II	20/12/2011	21.22		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	18/12/2011	16.06	20/12/2011	16.48	To control Warora-Wardha and Warora -Hinghat line loading.
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).
220/132KV 100MVA ICT-I at Amalner	20/12/2011	21.35	20/12/2011	23.00	132KV Bus Bar Prot.operated at Amalner due to 25MVA T/F-I B Phase CT Burst at 132KV Dharangaon.Only LV Tripped
220/132KV 100 MVA ICT II at Amalner	20/12/2011	21.35	20/12/2011	23.00	132KV Bus Bar Prot.operated at Amalner due to 25MVA T/F-I B Phase CT Burst at 132KV Dharangaon.Only LV Tripped
Voltage Level : 132KV			Outage Type TRIPPED		
Bambhori - Dharangaon	20/12/2011	21.35	20/12/2011	21.47	Distance Protection
Amalner - Dharangaon	20/12/2011	21.35	20/12/2011	21.47	132KV Bus Bar Prot.operated at Amalner due to 25MVA T/F-I B Phase CT Burst at 132KV Dharangaon.
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 21/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	160
	620	315
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	125
Unit 6	250	200
Unit 7	250	155
	1130	650
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	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	820
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	580
	852	580
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	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	25
ELDARY	23	14
SMLHY PTN	12	11
GHATGHAR	250	0
	611	210
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	113
Other CPPs	0	
	1005	938
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	4963
	3455	4963

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