



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Dec/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.103	1340.952	1) Gujrat	5.837	57.177
2) Hydro	14.046	177.291	2) Madhya Pradesh	22.916	248.275
3) Gas	14.604	172.139	3) Chattisgarh	14.080	169.580
Total MSGENCO	132.753	1690.382	4) Maharashtra	56.485	628.800
B) OTHERS			5) Goa	-6.233	-73.476
1) JSW JAIGAD	20.489	303.243	6) TAPS 1&2 Injection	7.803	91.005
2) WPCL	8.592	91.766	7) RGPPL Injection	30.375	353.045
3) Other CPP / IPP	6.661	85.586	8) Pench (Excess)	-0.586	-4.915
4) Wind Generation	2.429	26.026	# Total Cent. Sector	130.677	1469.491
5) PENCH (MS)	0.586	4.915	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.389	-102.478
1) TPCL Thermal	27.648	345.993	G) Bilateral Power *		
2) TPCL Hydro	4.559	41.607	1) MSEDCL Bilateral	39.051	459.266
TOTAL TPCL	32.207	387.600	Include PX	3.819	39.647
3) REL Thermal	12.652	137.229	2) MUMBAI Bilateral	10.584	142.338
D) STATE			Include PX	-0.661	8.677
1) Thermal (A1+C1+C3)	144.403	1824.174	3) MUMBAI Schedule	10.584	151.918
2) Hydro (A2+B5+C2)	19.191	223.813	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.604	172.139	1) MSEDCL	296.798	3568.931
4) Wind (B4)	2.429	26.026	2) TPCL	33.946	422.117
5) CPP (B1+B2+B3)	35.742	480.595	3) REL	16.300	205.147
TOTAL STATE	216.369	2726.747	TOTAL STATE	347.044	4196.195

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	4227	4452	4145
MSGENCO Hydro	1507	828	123
MSGENCO Gas	638	508	678
MSGENCO Total Generation	6372	5788	4946
Central Sector Receipt	5657	5526	5022
WIND	92	134	98
CPP / IPP	1538	1462	1433
Exchange with Mumbai	-336	-432	42
MSEDCL DEMAND MET	13373	12515	11541
Load Shedding (LS)	1891	1222	337
MSEDCL DEMAND (INCL. LS)	15264	13737	11878
TPCL GENERATION	1696	1633	928
REL GENERATION	528	527	527
TPCL+REL DEMAND	2560	2592	1413
STATE DEMAND MET	15933	15107	12954
Load Management (LM)	2549	3834	1745
Total Load Relief (LS+LM)	4440	5056	2082
UNRESTRICTED STATE DEMAND	20373	20163	15036
Frequency (Hz)	49.60	49.68	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 05:02 Hrs	49.06 Hz at 17:24 Hrs	49.76	.23 % 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 12/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.27	38.32	154	69	135
Unit 6	3.35	27.20	170	90	120
Unit 7	3.77	42.93	180	140	145
Total	10.39	108.44			400
Bhusawal					
Unit 2	3.48	35.88	165	120	180
Unit 3	3.76	50.29	175	135	180
Unit 4	0.00	0.00	0	0	0
Total	7.24	86.17			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.93	48.05	170	155	160
Unit 5	3.05	32.38	143	103	130
Unit 6	4.77	43.98	226	174	180
Unit 7	4.42	54.96	205	156	165
Total	16.17	179.37			635
Chandrapur					
Unit 1	3.79	45.01	162	154	160
Unit 2	4.13	27.09	177	169	160
Unit 3	4.24	50.42	186	160	185
Unit 4	4.92	58.76	208	189	210
Unit 5	0.00	104.32	0	0	0
Unit 6	0.00	51.62	0	0	0
Unit 7	9.17	112.17	390	372	400
Total	26.25	449.38			1115
Paras					
Unit 3	4.00	48.08	185	145	160
Unit 4	4.17	48.35	193	160	160
Total	8.17	96.43			320
Khaparkheda					
Unit 1	4.33	52.15	200	170	180
Unit 2	4.37	49.88	191	172	180
Unit 3	4.70	56.65	207	178	200
Unit 4	4.69	54.73	210	173	200
Unit 5	3.29	40.83	210	0	0
Total	21.37	254.23			760
Nasik					
Unit 3	5.12	56.18	220	210	210
Unit 4	4.93	57.78	214	198	210
Unit 5	4.46	52.96	198	181	180
Total	14.51	166.92			600
Uran					
All Units	14.60	172.14	678	508	630
Total	14.60	172.14			630
PENCH (MS)					
Pench (MS)	0.59	4.92	51	0	0
Total	0.59	4.92			0
Koyna					
Stage 1-2	3.61	49.89	420	35	600
Stage 4	4.11	61.93	643	0	250
Stage 3	1.94	24.48	240	0	320
Total	9.66	136.30			1170
Kovna 12&4 Total	7.72	111.82			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	5.58	20	19	19
VTRNA	0.00	0.40	0	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.11	2.27	5	4	5
BHIRA T.R.	0.15	2.39	41	0	40
RNGR+BHTSA	0.40	4.53	17	16	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	1.82	15	13	15
SMLHY PTN	0.74	11.70	39	27	10
GHATGHAR	2.16	12.31	250	0	0
Total	4.38	41.00			165
Wind					
MalharPeth	0.04	1.33			
Vankuswadi	0.11	2.78			
ATIT	0.01	0.58			
Kale	0.04	0.88			
Satara	0.45	4.72			
Shirala	0.03	0.95			
K Mahankal	0.00	1.93			
Supa	0.04	0.70			
Vita	0.21	4.42			
Dondaicha	0.97	4.26			
Sakri	0.14	0.47			
Nandurbar	0.09	0.49			
Khandke	0.09	1.34			
Khaparale	0.20	1.15			
Total	2.43	26.03			
CPP					
JSW JAIGAD	20.49	303.24	900	781	825
WARDHA	8.59	91.77	365	335	363
Other CPPs	6.66	85.59			
Total	35.74	480.60			1188
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.92	138.15	493	284	500
Trombay 6	6.19	84.80	354	151	500
Trombay 7A	2.90	32.48	128	98	120
Trombay 7B	1.56	18.28	67	59	60
Trombay 8	6.07	72.28	255	251	250
TATA Hydro	4.56	41.61	468	0	447
Total	32.21	387.60			1877
REL					
1&2	12.65	137.23	528	526	500
Total	12.65	137.23			500
Cent Sect					
Share					5451
Total					5451

MS PG CL	Thermal	104.10	1340.95			4190
	Thml+Gas	118.71	1513.09			4820
	Hydro	14.05	177.29			1335
	Total	132.75	1690.38			6155
State Total		216.37	2726.75			15171

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4160	123	678	4961	93	1539	5069	5142	-358	9	11744	2161	11910	1596	15501	49.94
2	4168	123	678	4969	105	1472	5079	5110	-364	26	11682	2241	11973	1476	15399	49.92
3	4145	123	678	4946	98	1433	5031	5022	-311	42	11541	2082	11878	1413	15036	49.99
4	4184	128	678	4990	106	1409	5010	5287	-267	44	11836	2259	12185	1377	15472	50.03
5	4261	128	678	5067	109	1431	5011	5362	-260	46	12015	2268	12371	1369	15652	49.89
6	4326	117	678	5121	113	1468	5202	5663	-183	43	12408	2626	13019	1437	16471	49.73
7	4460	142	678	5280	145	1491	5278	5194	-268	43	12178	3680	13617	1557	17415	49.66
8	4505	287	678	5470	95	1543	5346	5596	-320	-95	12635	4190	14253	1738	18563	49.74
9	4408	416	652	5476	123	1511	5401	5595	-379	-196	12534	4388	14211	1996	18918	49.74
10	4228	822	638	5688	73	1499	5464	5764	-443	-341	12734	4513	14594	2311	19558	49.66
11	4244	974	638	5856	101	1522	5574	5811	-489	-339	13002	4449	14919	2515	19966	49.67
12	4227	1507	638	6372	92	1538	5627	5657	-548	-336	13373	4440	15264	2560	20373	49.60
13	4269	1244	595	6108	77	1508	5598	5626	-523	-289	13081	4633	15148	2559	20273	49.66
14	4388	1164	592	6144	53	1476	5564	5843	-489	-263	13304	4294	15083	2511	20109	49.75
15	4384	1496	592	6472	43	1507	5562	5640	-489	-337	13376	3996	15065	2555	19927	49.64
16	4441	1557	596	6594	35	1516	5568	5532	-499	-364	13338	4097	15217	2571	20006	49.64
17	4426	964	595	5985	37	1504	5151	5038	-499	-350	12214	4589	14201	2555	19358	49.67
18	4415	571	527	5513	69	1536	5178	5140	-489	-342	11926	4626	13430	2529	19081	49.53
19	4452	828	508	5788	134	1462	5411	5526	-601	-432	12515	5056	13737	2592	20163	49.68
20	4446	699	522	5667	148	1424	5469	5636	-596	-519	12396	4837	13355	2538	19771	49.69
21	4480	250	522	5252	134	1461	5470	5678	-596	-521	12047	4620	12814	2405	19072	49.72
22	4434	131	522	5087	155	1447	5435	5335	-562	-446	11603	4409	12184	2179	18191	49.81
23	4372	131	521	5024	148	1520	5377	5300	-562	-338	11674	4057	12207	2051	17782	49.80
24	4280	121	522	4923	143	1525	5195	5180	-488	-134	11642	3312	12003	1858	16812	49.96
MUs	104.10	14.05	14.60	132.75	2.43	35.74	128.07	130.68	-10.58	-5.39	296.80	91.82	324.64	50.25	438.87	49.76

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 12/Dec/2011

Position as on 6.30 Hrs of 13/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	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	20/12/2011
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	13/12/2011
Chandrapur Unit 5	500	10/12/2011	12.44		Continued.	Boiler Tube Leakage.	14/12/2011
Chandrapur Unit 6	500	11/12/2011	06.20		Continued.	Boiler Tube Leakage.	15/12/2011
Khaparkheda Unit 5	500	12/12/2011	08.34	12/12/2011	12.07	Drum level high.	
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Dec/2011

Position as on 6.30 Hrs of 13/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
Talandge-Halkarni	12/12/2011	09.45	12/12/2011	15.20	Making cut point on newly erected inline tower for Kolhapur-phonda line LILO at Hamidwada.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parli (PG)-Bhadravati I	27/11/2011	20.15		Continued.	Over Voltage.
Parli (PG) - Wardha (PG) - II	28/11/2011	16.55		Continued.	Isolator Problem
Kolhapur - Mapusa - I	11/12/2011	21.34	12/12/2011	10.11	Over Voltage.
Koradi-Bhilai	12/12/2011	14.43	12/12/2011	19.52	Due to own breaker problem. Taken on TBC to own breaker.
Kolhapur - Mapusa - I	12/12/2011	16.49		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	12/12/2011	16.51		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule - S'Sarovar- II	11/12/2011	16.22	12/12/2011	14.36	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.
400/220,105MVA Spare ICT at Kharghar	12/12/2011	15.50	12/12/2011	15.58	Charged from HV side only.
400/220KV 315 MVA ICT-I @ Padgha	13/12/2011	00.09	13/12/2011	01.57	Attend oil leakage OLTC pipe line in B bus unit.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
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 11/12/2011
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).
Versova-Gorai	12/12/2011	09.04	12/12/2011	17.05	Annual maintenance.
Mudsinghi - Mumewadi - I	12/12/2011	09.45	12/12/2011	15.20	Making cut point on newly erected inline tower for Kolhapur-phonda line LILO at Hamidwada.
220/100 KV,200 MVA ICT-I @ Apta	12/12/2011	12.01	12/12/2011	17.38	Differential and B/U relay replacement work.
220/100KV 200MVA ICT-I at Kalwa	12/12/2011	13.51	12/12/2011	16.40	Testing work and taken on own breaker.
Mudshingi-Wathar	12/12/2011	14.05	12/12/2011	21.05	Q.M.Work.Isolator problem at Wathar end.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Dec/2011

Position as on 6.30 Hrs of 13/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Girwali - Kej	06/12/2011	18.30		Continued.	Replacement of 132KV Breaker @ Girwali.Ckt on TBC.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Hinganghat - Rly TSS - I	09/12/2011	02.03		Continued.	CKT on TBC, CKT breaker timing problem.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buchholtz alarm problem.
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Karad-Kolhapur-II	11/12/2011	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/12/2011	20.08	12/12/2011	07.50	Over Voltage.
Bhusawal- Aurangabad	12/12/2011	20.28		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	09/12/2011	01.44		Continued.	Hand trip.
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 13/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	70
Unit 6	210	150
Unit 7	210	170
	620	390
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	0
	920	340
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	135
Unit 6	250	185
Unit 7	250	170
	1130	660
Chandrapur		
Unit 1	210	165
Unit 2	210	170
Unit 3	210	185
Unit 4	210	210
Unit 5	500	0
Unit 6	500	0
Unit 7	500	400
	2340	1130
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	200
Unit 4	210	200
Unit 5	500	
	1340	760
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	180
	630	600
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	20
VTRNA	60	60
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	166
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	312
Other CPPs	0	
	1005	1137
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	5326
	3455	5326