



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Dec/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.160	1236.849	1) Gujrat	5.571	51.340
2) Hydro	13.853	163.245	2) Madhya Pradesh	22.617	225.359
3) Gas	14.893	157.535	3) Chattisgarh	15.180	155.500
Total MSGENCO	131.906	1557.629	4) Maharashtra	59.367	572.315
B) OTHERS			5) Goa	-5.700	-67.243
1) JSW JAIGAD	21.366	282.754	6) TAPS 1&2 Injection	7.794	83.202
2) WPCL	8.551	83.174	7) RGPPL Injection	35.303	322.670
3) Other CPP / IPP	7.057	78.925	8) Pench (Excess)	-0.536	-4.329
4) Wind Generation	1.952	23.597	# Total Cent. Sector	139.596	1338.814
5) PENCH (MS)	0.536	4.329	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.718	-97.089
1) TPCL Thermal	26.023	318.345	G) Bilateral Power *		
2) TPCL Hydro	0.020	37.048	1) MSEDCL Bilateral	39.170	420.215
TOTAL TPCL	26.043	355.393	Include PX	4.177	35.828
3) REL Thermal	10.312	124.577	2) MUMBAI Bilateral	9.684	131.754
D) STATE			Include PX	-1.386	9.337
1) Thermal (A1+C1+C3)	139.495	1679.771	3) MUMBAI Schedule	10.834	141.334
2) Hydro (A2+B5+C2)	14.409	204.622	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.893	157.535	1) MSEDCL	305.246	3272.133
4) Wind (B4)	1.952	23.597	2) TPCL	28.206	388.171
5) CPP (B1+B2+B3)	36.974	444.853	3) REL	13.845	188.847
TOTAL STATE	207.723	2510.378	TOTAL STATE	347.297	3849.151

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4170	4325	4478
MSGENCO Hydro	1619	554	139
MSGENCO Gas	647	635	559
MSGENCO Total Generation	6436	5514	5176
Central Sector Receipt	6152	5777	5325
WIND	70	78	107
CPP / IPP	1508	1573	1569
Exchange with Mumbai	-308	-298	-234
MSEDCL DEMAND MET	13905	12677	11827
Load Shedding (LS)	1086	793	352
MSEDCL DEMAND (INCL. LS)	14991	13470	12179
TPCL GENERATION	1072	1130	995
REL GENERATION	521	526	264
TPCL+REL DEMAND	1901	1954	1493
STATE DEMAND MET	15806	14631	13320
Load Management (LM)	2211	3539	1866
Total Load Relief (LS+LM)	3297	4332	2218
UNRESTRICTED STATE DEMAND	19103	18963	15538
Frequency (Hz)	49.72	49.77	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 14.04 Hrs	49.37 Hz at 17.23 Hrs	49.83	0 % 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 11/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.18	35.04	150	117	140
Unit 6	2.79	23.85	145	75	130
Unit 7	3.40	39.16	155	130	140
Total	9.38	98.05			410
Bhusawal					
Unit 2	2.55	32.40	175	0	0
Unit 3	4.14	46.54	185	150	180
Unit 4	0.00	0.00	0	0	
Total	6.68	78.93			180
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.20	44.13	183	166	170
Unit 5	2.93	29.33	140	109	135
Unit 6	4.13	39.21	219	23	200
Unit 7	4.48	50.53	226	161	170
Total	15.74	163.20			675
Chandrapur					
Unit 1	3.76	41.22	161	153	160
Unit 2	4.09	22.96	179	164	160
Unit 3	3.68	46.18	178	115	185
Unit 4	4.82	53.84	207	190	210
Unit 5	0.00	104.32	0	0	0
Unit 6	2.36	51.62	436	0	400
Unit 7	9.14	103.00	390	364	400
Total	27.86	423.13			1515
Paras					
Unit 3	4.01	44.07	180	155	160
Unit 4	4.04	44.19	183	148	160
Total	8.05	88.26			320
Khaparkheda					
Unit 1	4.44	47.82	205	165	180
Unit 2	4.15	45.50	185	150	180
Unit 3	4.83	51.95	220	171	200
Unit 4	4.69	50.04	213	177	200
Unit 5	2.88	37.55	144	103	
Total	20.99	232.86			760
Nasik					
Unit 3	5.06	51.07	215	200	210
Unit 4	4.94	52.85	210	199	210
Unit 5	4.45	48.50	192	174	180
Total	14.46	152.42			600
Uran					
All Units	14.89	157.54	682	558	630
Total	14.89	157.54			630
PENCH (MS)					
Pench (MS)	0.54	4.33	50	0	
Total	0.54	4.33			
Koyna					
Stage 1-2	2.29	46.28	305	40	600
Stage 4	5.69	57.82	827	0	250
Stage 3	1.65	22.54	160	0	320
Total	9.64	126.63			1170
Kovna 12&4 Total	7.98	104.10			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	5.12	20	19	19
VTRNA	0.13	0.40	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.12	2.16	5	5	6
BHIRA T.R.	0.14	2.24	40	0	40
RNGR+BHTSA	0.40	4.13	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	1.48	15	14	0
SMLHY PTN	0.91	10.96	53	28	28
GHATGHAR	1.70	10.14	250	0	0
Total	4.22	36.61			168
Wind					
MalharPeth	0.04	1.29			
Vankuswadi	0.11	2.67			
ATIT	0.01	0.57			
Kale	0.04	0.84			
Satara	0.43	4.27			
Shirala	0.04	0.92			
K Mahankal	0.01	1.93			
Supa	0.13	0.67			
Vita	0.32	4.22			
Dondaicha	0.62	3.30			
Sakri	0.07	0.33			
Nandurbar	0.07	0.40			
Khandke	0.06	1.24			
Khaparale	0.01	0.95			
Total	1.95	23.60			
CPP					
JSW JAIGAD	21.37	282.75	919	787	825
WARDHA	8.55	83.17	366	340	363
Other CPPs	7.06	78.92			
Total	36.97	444.85			1188
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.47	127.23	495	378	500
Trombay 6	4.42	78.61	230	156	500
Trombay 7A	2.59	29.58	127	84	120
Trombay 7B	1.47	16.72	67	55	60
Trombay 8	6.07	66.21	255	250	250
TATA Hydro	0.02	37.05	10	0	447
Total	26.04	355.39			1877
REL					
1&2	10.31	124.58	527	264	250
Total	10.31	124.58			250
Cent Sect					
Share					5615
Total					5615

MS PG CL	Thermal	103.16	1236.85			4460
	Thml+Gas	118.05	1394.38			5090
	Hydro	13.85	163.24			1338
	Total	131.91	1557.63			6428
State Total		207.72	2510.38			15358

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	4320	200	558	5078	63	1558	5429	5986	-652	-460	12225	2213	12388	1779	16217	49.82
2	4410	199	558	5167	109	1564	5439	5684	-561	-331	12193	2270	12480	1633	16096	49.95
3	4491	154	559	5204	104	1449	5449	5617	-496	-237	12137	2060	12481	1526	15723	49.96
4	4478	139	559	5176	107	1453	5449	5325	-461	-234	11827	2218	12179	1493	15538	50.01
5	4413	138	559	5110	98	1428	5347	5547	-455	-224	11959	2203	12321	1467	15629	49.89
6	4364	174	620	5158	90	1494	5493	6006	-452	-162	12586	2500	13159	1495	16581	49.84
7	4276	218	628	5122	71	1564	5448	6130	-478	-189	12715	3002	13776	1540	17257	49.68
8	4228	596	628	5452	84	1549	5413	6152	-480	-189	13072	3314	14122	1549	17935	49.77
9	4228	891	654	5773	76	1562	5443	6015	-437	-177	13275	3399	14299	1629	18303	49.67
10	4184	1286	657	6127	84	1550	5484	6003	-379	-243	13554	3215	14463	1783	18552	49.62
11	4170	1619	647	6436	70	1508	5856	6152	-382	-308	13905	3297	14991	1901	19103	49.72
12	4142	1479	604	6225	40	1554	5892	6113	-419	-312	13666	3454	14861	1933	19053	49.78
13	4304	1328	612	6244	33	1546	5882	6006	-414	-291	13588	3544	14835	1904	19036	49.72
14	4330	957	616	5903	27	1565	5863	6253	-398	-235	13563	3450	14779	1835	18848	49.93
15	4292	843	614	5749	35	1544	5819	6338	-356	-175	13529	3021	14522	1798	18348	49.91
16	4301	1081	617	5999	27	1553	5748	6129	-334	-137	13605	2889	14545	1763	18257	49.73
17	4336	791	618	5745	43	1573	5235	5398	-324	-129	12637	3277	13586	1742	17656	49.72
18	4317	269	622	5208	49	1559	5260	5522	-350	-159	12179	3679	13054	1760	17618	49.68
19	4325	554	635	5514	78	1573	5520	5777	-506	-298	12677	4332	13470	1954	18963	49.77
20	4275	384	645	5304	150	1577	5607	5930	-535	-319	12682	4243	13334	2012	18937	49.86
21	4278	161	642	5081	176	1564	5588	5676	-516	-292	12254	4167	12839	1973	18394	49.96
22	4210	132	680	5022	118	1555	5573	5356	-501	-248	11828	3954	12211	1925	17707	50.00
23	4206	137	679	5022	111	1564	5510	5238	-491	-217	11735	3737	12038	1894	17366	49.86
24	4282	123	682	5087	109	1568	5376	5243	-462	-152	11855	3095	12052	1785	16735	50.03
MUs	103.16	13.85	14.89	131.91	1.95	36.97	133.12	139.60	-10.83	-5.72	305.25	76.53	322.78	42.07	423.85	49.83

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 11/Dec/2011

Position as on 6.30 Hrs of 12/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.	12/12/2011
Parli Unit 6	250	08/12/2011	09.13	11/12/2011	00.20	Boiler Tube Leakage.	
REL 2	250	09/12/2011	03.06	11/12/2011	07.46	Withdrawn on Boiler Tube Leakage.	
Bhusawal Unit 2	210	10/12/2011	10.40	11/12/2011	00.59	Vaccum Problem.	
Chandrapur Unit 5	500	10/12/2011	12.44		Continued.	Boiler Tube Leakage.	14/12/2011
Bhusawal Unit 2	210	11/12/2011	05.35	11/12/2011	11.07	Low Vaccum.	
Chandrapur Unit 6	500	11/12/2011	06.20		Continued.	Boiler Tube Leakage.	15/12/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2011

Position as on 6.30 Hrs of 12/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-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
Dhule-Sar'Sarovar - I	08/12/2011	23.35	11/12/2011	16.56	Over Voltage.Oppurtunity Outage Aailed on 10.12.11 by Dhule for refixing of Dislodged dead end Clamp of E/W.
Kolhapur - Mapusa - II	11/12/2011	00.36	11/12/2011	09.39	Over Voltage.
Kolhapur - Mapusa - I	11/12/2011	21.34		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	11/12/2011	12.52	11/12/2011	13.32	Distance protection Y ph. to earth.
Dhule - S'Sarovar- II	11/12/2011	16.22		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	11/12/2011	14.30	11/12/2011	19.10	Distance protection.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	10/12/2011	22:06	11/12/2011	5:30	To attend DC leakage & Oil leakage of B'PH converter X'mer at Padghe.
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.
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
220/100KV 200MVA ICT-IV at Kalwa	15/11/2011	22.15	11/12/2011	14.30	Filteration work.
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).
Kalwa - Borivali	11/12/2011	09.10	11/12/2011	14.02	Attending hot spot and tan delta measuring.
Trombay-Mulund	11/12/2011	09.24	11/12/2011	14.52	To attend red hot spot on R & B Ph CT clamp at Mulund line.
Borivali (MSEB)- Borivali (T)	11/12/2011	10.03	11/12/2011	18.20	To facilitate commissioning of new 220 KV MSETCL-TATA Borivali 5.
Salsett-Borivali-II	11/12/2011	10.55	11/12/2011	14.46	To facilitate commissioning of new 220 KV MSETCL-TATA Borivali 5.
Borivali-Mulund	11/12/2011	15.14	11/12/2011	17.45	Attending hot spots and tan delta

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2011

Position as on 6.30 Hrs of 12/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					measuring.
Voltage Level : 132KV		Outage Type PLANNED 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
Voltage Level : 100KV		Outage Type PLANNED OUTAGE			
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
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 nitrogen pressure fire alarm received.
Karad - Kolhapur - I	10/12/2011	16.20	11/12/2011	09.48	Over Voltage.
Bhusawal- Aurangabad	10/12/2011	20.26	11/12/2011	07.30	Over Voltage.
Karad-Kolhapur-II	11/12/2011	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/12/2011	20.08		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).
Sahara-B'dying	11/12/2011	13.48	11/12/2011	18.50	Distance protection,Y ph. to earth.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	120
Unit 7	210	145
	620	400
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	130
Unit 6	250	180
Unit 7	250	165
	1130	635
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	185
Unit 4	210	210
Unit 5	500	0
Unit 6	500	0
Unit 7	500	400
	2340	1115
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	630
	852	630
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	19
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	165
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	5451
	3455	5451

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