



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Dec/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.801	240.291	1) Gujrat	8.013	12.240
2) Hydro	10.095	19.811	2) Madhya Pradesh	19.954	41.750
3) Gas	15.323	30.570	3) Chattisgarh	11.980	25.800
Total MSGENCO	145.219	290.672	4) Maharashtra	44.648	95.143
B) OTHERS			5) Goa	-6.514	-13.239
1) JSW JAIGAD	26.322	52.745	6) TAPS 1&2 Injection	7.804	15.600
2) WPCL	8.129	16.239	7) RGPPL Injection	29.840	59.648
3) Other CPP / IPP	7.082	14.003	8) Pench (Excess)	-0.318	-0.708
4) Wind Generation	1.596	2.623	# Total Cent. Sector	115.407	236.234
5) PENCH (MS)	0.318	0.708	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.873	-21.940
1) TPCL Thermal	30.130	59.909	G) Bilateral Power *		
2) TPCL Hydro	4.049	8.138	1) MSEDCL Bilateral	36.079	73.276
TOTAL TPCL	34.179	68.047	Include PX	1.770	7.003
3) REL Thermal	12.615	25.238	2) MUMBAI Bilateral	14.812	29.112
D) STATE			Include PX	3.018	5.535
1) Thermal (A1+C1+C3)	162.546	325.438	3) MUMBAI Schedule	14.812	29.112
2) Hydro (A2+B5+C2)	14.462	28.657	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.323	30.570	1) MSEDCL	294.200	591.284
4) Wind (B4)	1.596	2.623	2) TPCL	37.879	76.829
5) CPP (B1+B2+B3)	41.533	82.987	3) REL	18.786	38.392
TOTAL STATE	235.460	470.275	TOTAL STATE	350.865	706.505

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	5011	4983	4783
MSGENCO Hydro	954	239	141
MSGENCO Gas	619	633	653
MSGENCO Total Generation	6584	5855	5577
Central Sector Receipt	5105	4969	4954
WIND	30	115	38
CPP / IPP	1718	1771	1750
Exchange with Mumbai	-609	-530	-162
MSEDCL DEMAND MET	12851	12220	12067
Load Shedding (LS)	1824	1246	456
MSEDCL DEMAND (INCL. LS)	14675	13466	12523
TPCL GENERATION	1748	1756	1080
REL GENERATION	526	525	526
TPCL+REL DEMAND	2883	2811	1768
STATE DEMAND MET	15734	15031	13835
Load Management (LM)	2809	4074	1652
Total Load Relief (LS+LM)	4633	5320	2108
UNRESTRICTED STATE DEMAND	20367	20351	15943
Frequency (Hz)	49.56	49.68	49.76

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 03.20 Hrs	49.04 Hz at 08.18 Hrs	49.63	.88 % 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 02/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.02	5.92	138	106	120
Unit 6	2.50	4.02	133	0	110
Unit 7	3.06	5.64	155	70	135
Total	8.58	15.58			365
Bhusawal					
Unit 2	4.24	8.75	195	145	190
Unit 3	4.47	8.96	195	175	190
Unit 4	0.00	0.00	0	0	0
Total	8.72	17.70			380
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.60	7.91	186	129	170
Unit 5	2.77	2.96	129	80	122
Unit 6	4.39	9.29	233	159	172
Unit 7	4.33	9.08	235	138	180
Total	15.09	29.24			644
Chandrapur					
Unit 1	3.81	7.60	162	153	160
Unit 2	0.00	0.00	0	0	0
Unit 3	4.17	8.37	185	142	180
Unit 4	4.91	9.78	207	200	210
Unit 5	10.84	21.83	475	430	450
Unit 6	10.48	21.41	467	415	450
Unit 7	8.93	18.44	430	264	400
Total	43.13	87.43			1850
Paras					
Unit 3	4.06	8.08	193	151	160
Unit 4	3.67	7.98	192	0	160
Total	7.73	16.06			320
Khaparkheda					
Unit 1	4.65	9.26	205	170	180
Unit 2	4.48	8.96	198	165	180
Unit 3	4.84	9.79	215	184	180
Unit 4	4.62	8.70	212	173	180
Unit 5	3.92	8.99	207	113	
Total	22.52	45.70			720
Nasik					
Unit 3	4.84	10.00	220	175	192
Unit 4	4.83	9.77	210	191	192
Unit 5	4.36	8.81	191	159	162
Total	14.04	28.58			546
Uran					
All Units	15.32	30.57	654	616	630
Total	15.32	30.57			630
PENCH (MS)					
Pench (MS)	0.32	0.71	53	0	
Total	0.32	0.71			
Koyna					
Stage 1-2	3.28	6.91	395	40	600
Stage 4	1.92	3.37	280	0	250
Stage 3	1.70	2.79	240	0	320
Total	6.90	13.08			1170
Kovna 12&4 Total	5.20	10.28			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	0.94	20	19	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.52	0.65	22	21	6
BHIRA T.R.	0.23	0.46	80	0	80
RNGR+BHTSA	0.40	0.64	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.16	2.17	56	45	11
GHATGHAR	0.42	1.88	125	0	0
Total	3.20	6.73			132
Wind					
MalharPeth	0.04	0.07			
Vankuswadi	0.17	0.26			
ATIT	0.02	0.03			
Kale	0.04	0.06			
Satara	0.10	0.35			
Shirala	0.04	0.05			
K Mahankal	0.26	0.27			
Supa	0.11	0.17			
Vita	0.27	0.58			
Dondaicha	0.24	0.38			
Sakri	0.01	0.02			
Nandurbar	0.04	0.06			
Khandke	0.21	0.28			
Khaparale	0.04	0.06			
Total	1.60	2.62			
CPP					
JSW JAIGAD	26.32	52.74	1209	1036	1075
WARDHA	8.13	16.24	365	310	363
Other CPPs	7.08	14.00			
Total	41.53	82.99			1438
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.78	23.05	495	454	500
Trombay 6	7.90	15.96	502	156	500
Trombay 7A	2.90	5.79	123	116	120
Trombay 7B	1.59	3.18	67	65	60
Trombay 8	5.97	11.94	251	247	250
TATA Hydro	4.05	8.14	415	0	447
Total	34.18	68.05			1877
REL					
1&2	12.62	25.24	527	524	500
Total	12.62	25.24			500
Cent Sect					
Share					4959
Total					4959

MS PG CL	Thermal	119.80	240.29			4825
	Thml+Gas	135.12	270.86			5455
	Hydro	10.10	19.81			1302
	Total	145.22	290.67			6757
State Total		235.46	470.28			15531

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	5013	191	651	5855	37	1664	4784	5068	-609	-466	12158	2180	12351	2089	16427	49.62
2	4943	141	651	5735	36	1660	4629	4863	-496	-316	11978	2249	12345	1890	16117	49.70
3	4783	141	653	5577	38	1660	4572	4954	-421	-162	12067	2108	12523	1768	15943	49.76
4	4850	141	654	5645	47	1668	4531	4633	-373	-80	11913	2386	12399	1690	15989	49.93
5	4855	146	654	5655	53	1685	4528	4971	-352	-62	12302	2409	12817	1671	16382	49.79
6	4939	736	652	6327	58	1670	4553	4799	-341	-126	12728	2765	13502	1739	17232	49.67
7	5146	491	654	6291	47	1686	4602	4350	-397	-253	12121	4120	13695	1864	18105	49.48
8	5253	522	652	6427	37	1704	4593	4460	-418	-320	12308	4556	13999	1972	18836	49.50
9	5281	287	645	6213	28	1727	4600	4446	-465	-328	12086	4772	13806	2233	19091	49.48
10	5230	297	630	6157	26	1720	4620	4795	-491	-335	12363	4821	14228	2579	19763	49.46
11	5127	640	620	6387	34	1689	5106	5123	-715	-526	12717	4715	14638	2831	20263	49.59
12	5011	954	619	6584	30	1718	5210	5105	-842	-609	12851	4633	14675	2883	20367	49.56
13	5051	918	619	6588	30	1715	5177	5037	-822	-626	12770	4788	14748	2867	20425	49.62
14	5028	778	618	6424	41	1713	5114	5233	-766	-592	12845	4584	14672	2750	20179	49.68
15	5053	772	616	6441	42	1728	5144	5168	-790	-633	12753	4235	14427	2801	19789	49.58
16	5000	970	620	6590	56	1714	5168	5042	-809	-658	12744	4253	14517	2835	19832	49.58
17	4709	642	624	5975	74	1758	4883	4476	-808	-592	11691	4805	13652	2781	19277	49.55
18	4858	154	636	5648	86	1756	4774	4538	-693	-525	11510	4704	12963	2742	18956	49.59
19	4983	239	633	5855	115	1771	4952	4969	-723	-530	12220	5320	13466	2811	20351	49.68
20	5032	331	636	5999	137	1815	5009	4382	-713	-463	11923	5173	12958	2719	19815	49.68
21	5049	155	638	5842	115	1838	5035	4620	-708	-422	12046	4915	12837	2539	19500	49.60
22	4979	154	650	5783	112	1831	5062	4455	-703	-427	11787	4500	12180	2347	18634	49.64
23	4840	145	645	5630	145	1827	5005	4917	-678	-428	12114	3781	12455	2193	18088	49.50
24	4815	150	653	5618	172	1816	4904	5004	-678	-394	12233	3240	12442	2073	17546	49.76
MUs	119.8 3	10.10	15.32	145.25	1.60	41.53	116.55	115.41	-14.81	-9.87	294.23	96.01	322.30	56.67	446.91	49.63

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 02/Dec/2011

Position as on 6.30 Hrs of 03/Dec/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 2	210	05/11/2011	11.02		Continued.	Boiler Tube Leakage,converted to AOH.	
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
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.	05/12/2011
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	
Dabhol 1B	230	23/11/2011	03.45		Continued.	Gas Shortage	
Dabhol 1X	290	23/11/2011	03.45		Continued.	Gas Shortage	
Cent_Sect KARPR2	220	30/11/2011	21.01	02/12/2011	23.04	Reactor problem.	
Cent_Sect NTPC(K-7)	500	02/12/2011	00.44		Continued.	Boiler Bottom Ring Header Leakage	
Koradi Unit 6	210	02/12/2011	10.58	02/12/2011	12.13	FD Fan Problem.	
Paras Unit 4	250	02/12/2011	15.59	02/12/2011	18.01	Flame Failure.	
Uran Unit 5	108	03/12/2011	01.35	03/12/2011	02.29	Boiler Protection.	
Uran Unit 6	108	03/12/2011	01.35	03/12/2011	02.09	Boiler Protection.	
Uran Unit A0	120	03/12/2011	01.35		Continued.	Sealed steam protection fail.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2011

Position as on 6.30 Hrs of 03/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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 FORCED OUTAGE		
Padgha -Tarapur - I	01/12/2011	08.32	02/12/2011	05.26	Emergency Outage at Tarapur end
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	02/12/2011	16.12		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	23/11/2011	21.55		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-S'Sarovar I	30/11/2011	17.00		Continued.	B Ph. C B Pole Burst.
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.
Main Bus- I @ New Koyna	01/12/2011	11.12	02/12/2011	12.36	For attending problem of R phase A Isolator of Karad-II line
Chandrapur - Parli - III	02/12/2011	09.32	02/12/2011	15.23	Attending Hot Spot.
400/220 KV 315 MVA ICT-III @ Padgha	02/12/2011	10.40	02/12/2011	18.38	Maintenance of line C-Bus section.
Karad-Jaigad I	02/12/2011	1500	02/12/2011	1520	New Ckt.charged.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
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 29/11/2011
220/100KV 200MVA ICT-IV at Kalwa	15/11/2011	22.15		Continued.	Filteration work.
220/7 KV 20 MVA Stn.T/F-IV at Korady	23/11/2011	16.53		Continued.	(L V Side is on TBC) Rep, of 29B Isolator.
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Main Bus-I at Koradi.	28/11/2011	11.19		Continued.	Replacement of 29A Bus-I isolator of various feeders under LES.
220/132 KV 100 MVA ICT @ Bhandara	29/11/2011	12.41		Continued.	Breaker Overhaul
Koradi-Ambazari-I	29/11/2011	16.34		Continued.	Isolator replacement work(Ckt is on TBC)
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 14/12/2011).

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2011

Position as on 6.30 Hrs of 03/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
BombayDyeing - Sahara	01/12/2011	07.40	02/12/2011	18.55	Diversion work at M/S Adlab Entertainment
Kanhan - Bhandara - I	01/12/2011	15.50		Continued.	Main Breaker O/H work(Ckt on TBC)
Kalwa-Temghar	02/12/2011	05.40	02/12/2011	20.25	Repl.of conductor by twin conductor.
Kalwa I-Taloja	02/12/2011	05.48	02/12/2011	20.12	Repl.of conductor by twin conductor.
Kalwa-Roadside Bus	02/12/2011	06.43	02/12/2011	19.35	Repl.of conductor by twin conductor.
220/132 KV 200 MVA T/F-I @ Boiser	02/12/2011	09.05	02/12/2011	17.39	Tan delta of HV,LV bushings.
Kolshet - Kamba	02/12/2011	09.59	02/12/2011	16.45	C.T.leakage attending work.
Anandnagar-Jambul	02/12/2011	10.09	02/12/2011	17.30	To take auto recloser into service.
Girwali - Parly - II	02/12/2011	10.32	02/12/2011	15.11	Repl.of new main II isolator blade and jumper.
220/132KV 200MVA ICT-I at Malegaon	02/12/2011	10.58	02/12/2011	16.58	Attending OLTC oil leakage.
Bus Section at Niwaliphata	02/12/2011	13.40	02/12/2011	15.27	Main Bus Isolator allignment.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Hingna-Mankapur-I	29/11/2011	08.10		Continued.	Replacement of Conductor
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strenghtning.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE I -CHDPR	01/12/2011	22.35	02/12/2011	00.44	Oil Topup in pole-I Y phase OLTC convertor T/F
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buccolz 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 - I	02/12/2011	02.45	02/12/2011	09.55	Over Voltage
Karad - Kolhapur - II	02/12/2011	17.06		Continued.	Over Voltage.
Bhusawal- Aurangabad	02/12/2011	21.01		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Paras - Warwat Bakal	02/12/2011	09.54	02/12/2011	13.04	132 KV Paras-Akola I outage.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	02/12/2011	10.18	02/12/2011	10.26	D.T.Received
Bableshwar-Aurangabad	02/12/2011	10.34	02/12/2011	10.52	D.T.Received
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).
Bombay Dyeing - Sahara	02/12/2011	19.15	02/12/2011	19.45	Pole discrapancy.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	115
Unit 7	210	145
	620	385
Bhusawal		
Unit 2	210	190
Unit 3	210	190
Unit 4	500	
	920	380
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	115
Unit 6	250	160
Unit 7	250	165
	1130	620
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	170
Unit 4	210	120
Unit 5	500	450
Unit 6	500	425
Unit 7	500	400
	2340	1725
Paras		
Unit 3	250	180
Unit 4	250	160
	500	340
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
Unit 5	500	
	1340	800
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	180
	630	600
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	20
VTRNA	60	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	19
GHATGHAR	250	0
	611	139
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	1065
WARDHA	405	363
Other CPPs	0	
	1005	1428
Tata		
Trombay 4	150	
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	5289
	3455	5289