



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Dec/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.995	815.464	1) Gujrat	5.633	29.207
2) Hydro	14.102	115.877	2) Madhya Pradesh	15.259	134.632
3) Gas	13.647	97.374	3) Chattisgarh	13.560	97.400
Total MSGENCO	143.744	1028.715	4) Maharashtra	59.537	347.162
B) OTHERS			5) Goa	-6.064	-43.049
1) JSW JAIGAD	27.916	182.342	6) TAPS 1&2 Injection	6.326	53.025
2) WPCL	7.745	50.319	7) RGPPL Injection	25.439	200.625
3) Other CPP / IPP	7.209	50.183	8) Pench (Excess)	-0.341	-2.783
4) Wind Generation	3.373	12.657	# Total Cent. Sector	119.349	816.219
5) PENCH (MS)	0.341	2.783	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.861	-59.468
1) TPCL Thermal	29.861	203.959	G) Bilateral Power *		
2) TPCL Hydro	4.683	25.243	1) MSEDCL Bilateral	41.941	251.353
TOTAL TPCL	34.544	229.202	Include PX	2.359	19.279
3) REL Thermal	12.582	88.203	2) MUMBAI Bilateral	11.222	85.797
D) STATE			Include PX	-0.046	7.785
1) Thermal (A1+C1+C3)	158.438	1107.626	3) MUMBAI Schedule	11.222	85.797
2) Hydro (A2+B5+C2)	19.126	143.903	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.647	97.374	1) MSEDCL	301.816	2083.750
4) Wind (B4)	3.373	12.657	2) TPCL	37.091	252.317
5) CPP (B1+B2+B3)	42.870	282.844	3) REL	17.897	124.546
TOTAL STATE	237.454	1644.404	TOTAL STATE	356.804	2460.613

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	4828	5034	4652
MSGENCO Hydro	1471	587	126
MSGENCO Gas	600	606	505
MSGENCO Total Generation	6899	6227	5283
Central Sector Receipt	5123	4782	4722
WIND	97	165	68
CPP / IPP	1787	1797	1800
Exchange with Mumbai	-395	-453	-31
MSEDCL DEMAND MET	13527	12555	11793
Load Shedding (LS)	1929	1292	510
MSEDCL DEMAND (INCL. LS)	15456	13847	12303
TPCL GENERATION	1829	1772	1089
REL GENERATION	526	526	527
TPCL+REL DEMAND	2750	2751	1647
STATE DEMAND MET	16277	15306	13440
Load Management (LM)	2483	3748	1511
Total Load Relief (LS+LM)	4412	5040	2021
UNRESTRICTED STATE DEMAND	20689	20346	15461
Frequency (Hz)	49.61	49.48	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 03.09 Hrs	48.89 Hz at 20.33 Hrs	49.62	3.16 % 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 07/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.51	22.02	154	136	150
Unit 6	3.42	11.14	160	125	150
Unit 7	3.91	24.73	180	150	170
Total	10.84	57.88			470
Bhusawal					
Unit 2	3.73	29.37	190	0	190
Unit 3	4.16	29.48	190	140	190
Unit 4	0.00	0.00	0	0	
Total	7.90	58.86			380
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.08	27.06	186	129	170
Unit 5	2.99	17.49	143	109	135
Unit 6	5.04	33.39	248	175	180
Unit 7	4.88	31.64	242	153	180
Total	16.99	109.58			665
Chandrapur					
Unit 1	3.77	26.45	161	155	155
Unit 2	3.21	7.06	164	73	80
Unit 3	4.42	30.02	191	174	180
Unit 4	4.99	34.54	210	202	210
Unit 5	10.96	76.76	470	440	440
Unit 6	0.00	42.45	0	0	0
Unit 7	9.58	66.06	408	385	405
Total	36.93	283.36			1470
Paras					
Unit 3	4.20	27.91	187	159	180
Unit 4	4.37	27.48	212	165	180
Total	8.57	55.39			360
Khaparkheda					
Unit 1	4.30	30.68	200	170	170
Unit 2	4.45	30.39	196	167	190
Unit 3	4.68	33.00	208	182	200
Unit 4	4.76	31.80	206	182	200
Unit 5	2.33	24.85	111	76	0
Total	20.52	150.72			760
Nasik					
Unit 3	5.07	35.58	220	200	210
Unit 4	4.77	33.20	210	176	210
Unit 5	4.40	30.90	190	172	180
Total	14.24	99.68			600
Uran					
All Units	13.65	97.37	638	497	555
Total	13.65	97.37			555
PENCH (MS)					
Pench (MS)	0.34	2.78	50	0	
Total	0.34	2.78			
Koyna					
Stage 1-2	3.92	34.02	535	35	600
Stage 4	5.27	43.72	979	0	250
Stage 3	1.63	16.76	278	0	320
Total	10.82	94.50			1170
Kovna 12&4 Total	9.20	77.74			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	3.27	19	19	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.12	1.64	5	5	5
BHIRA T.R.	0.19	1.38	40	0	40
RNGR+BHTSA	0.39	2.57	17	16	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.10	0.10	15	0	0
SMLHY PTN	1.19	7.77	57	46	12
GHATGHAR	0.84	4.65	125	0	0
Total	3.28	21.38			93
Wind					
MalharPeth	0.23	0.58			
Vankuswadi	0.30	1.46			
ATIT	0.08	0.22			
Kale	0.14	0.41			
Satara	0.48	2.38			
Shirala	0.17	0.40			
K Mahankal	0.24	1.09			
Supa	0.10	0.42			
Vita	0.72	2.33			
Dondaicha	0.59	1.60			
Sakri	0.03	0.14			
Nandurbar	0.06	0.22			
Khandke	0.15	0.73			
Khaparale	0.07	0.68			
Total	3.37	12.66			
CPP					
JSW JAIGAD	27.92	182.34	1171	1092	1055
WARDHA	7.74	50.32	364	279	363
Other CPPs	7.21	50.18			
Total	42.87	282.84			1418
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.80	81.05	494	489	490
Trombay 6	7.96	51.16	467	155	500
Trombay 7A	2.58	19.04	125	70	120
Trombay 7B	1.49	10.73	67	52	60
Trombay 8	6.03	41.98	254	249	250
TATA Hydro	4.68	25.24	459	0	447
Total	34.54	229.20			1867
REL					
1&2	12.58	88.20	527	504	500
Total	12.58	88.20			500
Cent Sect					
Share					5386
Total					5386

MS PG CL	Thermal	116.00	815.46			4705
	Thml+Gas	129.64	912.84			5260
	Hydro	14.10	115.88			1263
	Total	143.74	1028.72			6523
State Total		237.45	1644.40			15694

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	4713	126	498	5337	61	1755	4689	5078	-460	-222	12009	2039	12210	1838	15886	49.83
2	4700	136	505	5341	71	1750	4964	5033	-359	-96	12099	2165	12517	1709	15973	49.81
3	4652	126	505	5283	68	1751	5041	4722	-303	-31	11793	2021	12303	1647	15461	49.92
4	4678	131	505	5314	94	1750	5006	4829	-266	20	12007	2242	12499	1597	15846	50.00
5	4726	141	508	5375	106	1749	5001	4973	-250	30	12233	2264	12717	1587	16084	49.86
6	4815	126	506	5447	120	1770	4991	5367	-266	-43	12661	2588	13357	1658	16907	49.75
7	4886	156	510	5552	202	1798	5007	5065	-322	-189	12428	3672	13986	1804	17904	49.65
8	4943	411	512	5866	157	1798	5041	5161	-338	-250	12732	4051	14351	1888	18671	49.55
9	4924	406	497	5827	157	1797	5040	5241	-380	-315	12707	4302	14347	2142	19151	49.60
10	4886	733	589	6208	176	1802	4928	5286	-433	-392	13080	4614	15054	2475	20169	49.56
11	4785	886	515	6186	126	1804	4823	5412	-508	-450	13078	4492	15087	2739	20309	49.62
12	4828	1471	600	6899	97	1787	4851	5123	-546	-395	13527	4412	15456	2750	20689	49.61
13	4808	1491	599	6898	105	1797	4834	4995	-546	-408	13437	4543	15499	2751	20731	49.12
14	4812	1501	605	6918	93	1798	4785	4759	-513	-465	13152	4240	14969	2714	20106	49.67
15	4853	1726	604	7183	90	1802	4771	4881	-513	-486	13482	3886	15136	2749	20117	49.58
16	4870	1660	611	7141	95	1805	4774	4772	-513	-428	13385	3908	15137	2748	20041	49.57
17	4878	718	610	6206	150	1805	4774	4566	-508	-417	12310	4432	14203	2744	19486	49.57
18	4948	191	617	5756	146	1796	4793	4588	-508	-442	11869	4469	13380	2699	19037	49.52
19	5034	587	606	6227	165	1797	4916	4782	-541	-453	12555	5040	13847	2751	20346	49.48
20	5019	628	622	6269	205	1786	5041	4894	-658	-500	12699	4810	13699	2724	20233	49.53
21	5029	274	621	5924	207	1835	5101	4862	-658	-487	12386	4588	13176	2557	19531	49.35
22	4899	153	634	5686	209	1824	5076	4939	-635	-480	12223	4400	12839	2387	19010	49.48
23	4669	137	630	5436	220	1734	5076	5076	-635	-504	11977	4004	12545	2229	18210	49.50
24	4640	187	638	5465	253	1780	4943	4945	-564	-458	11987	3396	12377	2100	17483	49.65
MUs	116.0 0	14.10	13.65	143.74	3.37	42.87	118.27	119.35	-11.22	-7.86	301.82	90.58	330.69	54.99	447.38	49.62

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 07/Dec/2011

Position as on 6.30 Hrs of 08/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
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.	08/12/2011
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	
Dabhol 1B	230	23/11/2011	03.45	08/12/2011	00.56	Gas Shortage	
Dabhol 1X	290	23/11/2011	03.45	08/12/2011	06.02	Gas Shortage	
Chandrapur Unit 6	500	05/12/2011	01.09		Continued.	BLR T/L.	
Cent_Sect NTPC(K-7)	500	05/12/2011	18.27		Continued.	CT burst of Bus-III at Korba yard.	
Uran Unit 8	108	05/12/2011	23.45	07/12/2011	09.30	Boiler validity expired.	
Dabhol 3A	230	07/12/2011	08.52		Continued.	Generator Diff.Protection	
Bhusawal Unit 2	210	07/12/2011	21.55		Continued.	Boiler Tube Leakage	10/12/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Dec/2011

Position as on 6.30 Hrs of 08/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	05/12/2011	12.07	07/12/2011	14.30	Due to heavy leakage in control valve of TBC(Ckt was charged through TBC).
Kolhapur - Mapusa - I	07/12/2011	00.09		Continued.	Over Voltage
Dhule-S'Sarovar I	07/12/2011	20.13		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.
Tie Breaker at HVDC C'Pur	06/12/2011	10.58	07/12/2011	02.55	Testing of Y Phase CT
400/220 KV 315 MVA ICT-I @ Nagothane	07/12/2011	09.41	07/12/2011	16.39	To attend SF6 Gas Leakage(Taken on TBC)
Parli-Lonikand - II	07/12/2011	10.02	07/12/2011	12.03	To attend Hot Spot(Taken on TBC)
400/220 KV 315 MVA ICT - I @ Chakan	07/12/2011	11.31	07/12/2011	11.46	SCADA Work
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 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.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 14/12/2011).
Khaperkheda - Koradi	06/12/2011	10.27	07/12/2011	09.39	Replacement of 29A Isolator(Ckt on TBC)
220/66 KV 150 MVA ICT- I @ Gadchandur	06/12/2011	12.00	07/12/2011	22.00	Replacement of H.V.side CT's
Karad-Pophali	07/12/2011	08.35	07/12/2011	10.12	To attend Hot Spot
Koradi-Butibori	07/12/2011	08.40	07/12/2011	14.38	To shift existing 220KV Koradi& Abhijeet Bay to newly erected Bay
Bhandara - Sunflag - II	07/12/2011	10.30		Continued.	Overhauling of Circuit Breaker(Ckt on

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Dec/2011

Position as on 6.30 Hrs of 08/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					TBC)
Butibori-Abhijeet ckt.	07/12/2011	15.03	07/12/2011	19.34	To shift existing 220KV Koradi& Abhijeet Bay to newly erected Bay
Lamboti-Bale-I	07/12/2011	16.36	07/12/2011	18.30	Replacement of 29B Isolator
Main Bus- II @ Lamboti	07/12/2011	16.43	07/12/2011	18.38	To attend Hot Spot
Voltage Level : 132KV					Outage Type PLANNED OUTAGE
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator
Girwali - Kej	06/12/2011	18.30		Continued.	Replacement of Breaker
Voltage Level : 100KV					Outage Type PLANNED OUTAGE
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 500KV					Outage Type FORCED OUTAGE
HVDC POLE I -CHDPR	06/12/2011	22:22	07/12/2011	02.59	B ph C T stability test.
Voltage Level : 400KV					Outage Type FORCED OUTAGE
Babaleshwar - Bhusawal	07/12/2011	00.45		Continued.	Red Hot observed at Hanger Junction(taken on TBC)
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	06/12/2011	16.21	07/12/2011	09.45	Over Voltage
Bhusawal- Aurangabad	06/12/2011	21.01	07/12/2011	05.52	Over Voltage
Bhusawal- Aurangabad	07/12/2011	21.41	08/12/2011	06.01	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).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	135
Unit 7	210	165
	620	445
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	130
Unit 6	250	180
Unit 7	250	185
	1130	675
Chandrapur		
Unit 1	210	165
Unit 2	210	170
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	0
Unit 7	500	400
	2340	1580
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	190
Unit 4	210	190
Unit 5	500	
	1340	720
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	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	107
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	1055
WARDHA	405	363
Other CPPs	0	
	1005	1418
Tata		
Trombay 4	150	0
Trombay 5	500	495
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1872
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5244
	3455	5244

	17900	7 of 7	15461
--	--------------	--------	--------------