



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Dec/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.272	699.469	1) Gujrat	2.175	23.574
2) Hydro	26.059	101.775	2) Madhya Pradesh	15.703	119.373
3) Gas	11.602	83.727	3) Chattisgarh	13.700	83.840
Total MSGENCO	148.933	884.971	4) Maharashtra	55.707	287.625
B) OTHERS			5) Goa	-6.255	-36.985
1) JSW JAIGAD	27.826	154.426	6) TAPS 1&2 Injection	7.796	46.699
2) WPCL	7.313	42.574	7) RGPPL Injection	25.333	175.186
3) Other CPP / IPP	7.149	42.974	8) Pench (Excess)	-0.558	-2.442
4) Wind Generation	1.185	9.284	# Total Cent. Sector	113.601	696.870
5) PENCH (MS)	0.558	2.442	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.303	-51.607
1) TPCL Thermal	29.232	174.098	G) Bilateral Power *		
2) TPCL Hydro	3.709	20.560	1) MSEDCL Bilateral	37.251	209.412
TOTAL TPCL	32.941	194.658	Include PX	4.056	16.920
3) REL Thermal	12.552	75.621	2) MUMBAI Bilateral	11.094	74.575
D) STATE			Include PX	0.163	7.830
1) Thermal (A1+C1+C3)	153.056	949.188	3) MUMBAI Schedule	11.094	74.575
2) Hydro (A2+B5+C2)	30.326	124.777	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.602	83.727	1) MSEDCL	299.262	1781.934
4) Wind (B4)	1.185	9.284	2) TPCL	35.038	215.226
5) CPP (B1+B2+B3)	42.288	239.974	3) REL	17.757	106.649
TOTAL STATE	238.457	1406.950	TOTAL STATE	352.057	2103.809

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	4537	4929	4272
MSGENCO Hydro	2098	1065	640
MSGENCO Gas	469	427	510
MSGENCO Total Generation	7104	6421	5422
Central Sector Receipt	5051	4833	4425
WIND	26	112	26
CPP / IPP	1820	1754	1754
Exchange with Mumbai	-349	-476	-76
MSEDCL DEMAND MET	13677	12670	11530
Load Shedding (LS)	2013	1327	508
MSEDCL DEMAND (INCL. LS)	15690	13997	12038
TPCL GENERATION	1702	1581	1079
REL GENERATION	524	515	525
TPCL+REL DEMAND	2575	2572	1680
STATE DEMAND MET	16252	15242	13210
Load Management (LM)	2455	3683	1646
Total Load Relief (LS+LM)	4468	5010	2154
UNRESTRICTED STATE DEMAND	20720	20252	15364
Frequency (Hz)	49.46	49.55	49.61

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 06:02 Hrs	49.05 Hz at 11:16 Hrs	49.57	1.4 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center, Airoli (MSETCL)

Daily and Progressive Generation, Maximum, Minimum, OLC Details for 06/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.58	18.51	157	141	150
Unit 6	2.42	7.72	164	0	0
Unit 7	3.85	20.82	175	150	150
Total	9.85	47.04			300
Bhusawal					
Unit 2	4.46	25.64	195	170	190
Unit 3	2.92	25.32	185	0	0
Unit 4	0.00	0.00	0	0	0
Total	7.38	50.96			190
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.94	22.98	186	132	170
Unit 5	2.78	14.50	129	95	125
Unit 6	5.00	28.35	247	179	180
Unit 7	4.69	26.76	235	167	180
Total	16.41	92.60			655
Chandrapur					
Unit 1	3.74	22.68	163	152	160
Unit 2	1.86	3.85	98	11	100
Unit 3	4.44	25.60	189	179	185
Unit 4	4.96	29.55	209	198	210
Unit 5	11.10	65.80	485	450	450
Unit 6	0.00	42.45	0	0	0
Unit 7	9.61	56.48	412	387	400
Total	35.71	246.42			1505
Paras					
Unit 3	4.06	23.70	185	155	180
Unit 4	3.40	23.11	190	0	180
Total	7.46	46.81			360
Khaparkheda					
Unit 1	4.28	26.38	185	170	170
Unit 2	4.32	25.94	190	170	170
Unit 3	4.61	28.32	204	176	170
Unit 4	4.55	27.03	202	175	170
Unit 5	2.80	22.52	194	78	0
Total	20.56	130.20			680
Nasik					
Unit 3	5.18	30.52	220	215	210
Unit 4	4.31	28.43	210	0	210
Unit 5	4.41	26.50	190	180	180
Total	13.90	85.44			600
Uran					
All Units	11.60	83.73	522	421	475
Total	11.60	83.73			475
PENCH (MS)					
Pench (MS)	0.56	2.44	53	0	0
Total	0.56	2.44			0
Koyna					
Stage 1-2	7.21	30.10	560	40	600
Stage 4	12.28	38.45	1091	0	250
Stage 3	4.40	15.13	320	0	320
Total	23.88	83.68			1170
Koyna 12&4 Total	19.49	68.54			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	2.81	20	19	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.13	1.52	6	5	6
BHIRA T.R.	0.22	1.19	41	0	80
RNGR+BHTSA	0.38	2.18	16	15	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY_PTN	0.97	6.58	48	37	11
GHATGHAR	0.00	3.81	0	0	0
Total	2.18	18.10			133
Wind					
MalharPeth	0.02	0.35			
Vankuswadi	0.08	1.16			
ATIT	0.01	0.14			
Kale	0.03	0.27			
Satara	0.44	1.90			
Shirala	0.02	0.23			
K Mahankal	0.01	0.85			
Supa	0.01	0.31			
Vita	0.28	1.61			
Dondaicha	0.08	1.01			
Sakri	0.01	0.11			
Nandurbar	0.01	0.16			
Khandke	0.07	0.58			
Khaparale	0.11	0.61			
Total	1.18	9.28			
CPP					
JSW JAIGAD	27.83	154.43	1174	1123	1055
WARDHA	7.31	42.57	345	236	360
Other CPPs	7.15	42.97			
Total	42.29	239.97			1415
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	69.26	495	483	490
Trombay 6	7.20	43.20	467	156	500
Trombay 7A	2.72	16.46	124	100	120
Trombay 7B	1.53	9.24	67	59	60
Trombay 8	6.02	35.94	253	250	250
TATA Hydro	3.71	20.56	386	0	447
Total	32.94	194.66			1867
REL					
1&2	12.55	75.62	527	515	500
Total	12.55	75.62			500
Cent Sect					
Share					4916
Total					4916

MS PG CL	Thermal	111.27	699.47		4290
	Thml+Gas	122.87	783.20		4765
	Hydro	26.06	101.78		1303
	Total	148.93	884.97		6068
State Total	238.46	1406.95			14766

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 06/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	4298	1028	510	5836	25	1718	4545	4507	-410	-333	11776	2175	11971	1938	15889	49.57
2	4293	899	510	5702	27	1705	4499	4341	-316	-170	11629	2284	12041	1777	15690	49.61
3	4272	640	510	5422	26	1709	4463	4425	-260	-76	11530	2154	12038	1680	15364	49.61
4	4296	425	510	5231	26	1713	4433	4611	-243	-1	11588	2434	12104	1610	15632	49.63
5	4274	603	520	5397	24	1736	4256	4527	-237	5	11713	2443	12239	1606	15762	49.59
6	4410	1442	518	6370	28	1760	4106	4410	-248	-44	12531	2740	13266	1658	16929	49.66
7	4543	1141	520	6204	26	1779	4137	4399	-290	-120	12288	3714	13851	1735	17737	49.70
8	4651	1673	522	6846	29	1799	4133	4270	-343	-199	12745	4126	14402	1816	18687	49.65
9	4727	1655	512	6894	21	1802	4139	4255	-407	-308	12671	4345	14362	2054	19070	49.57
10	4726	1848	488	7062	25	1797	4218	4427	-495	-360	12978	4575	15003	2355	19908	49.60
11	4563	1860	479	6902	50	1777	4683	4876	-568	-374	13256	4515	15342	2550	20321	49.56
12	4537	2098	469	7104	26	1820	4861	5051	-568	-349	13677	4468	15690	2575	20720	49.46
13	4586	2005	468	7059	29	1810	4983	4844	-568	-391	13376	4631	15550	2570	20577	49.50
14	4747	1648	463	6858	30	1805	4980	5070	-495	-334	13454	4298	15352	2542	20294	49.66
15	4747	1583	465	6795	28	1794	5022	5099	-495	-397	13344	3936	15071	2538	19818	49.61
16	4788	1648	470	6906	32	1796	5023	4977	-495	-410	13326	3968	15137	2574	19868	49.60
17	4740	936	421	6097	47	1752	4630	4538	-495	-399	12060	4456	13997	2573	19089	49.63
18	4855	427	428	5710	57	1742	4646	4660	-495	-442	11753	4476	13326	2570	18799	48.68
19	4929	1065	427	6421	112	1754	4871	4833	-627	-476	12670	5010	13997	2572	20252	49.55
20	4936	826	453	6215	119	1784	4910	4936	-627	-445	12646	4782	13688	2556	19984	49.65
21	4955	213	464	5632	118	1770	5254	5272	-627	-427	12418	4593	13285	2418	19429	49.59
22	4853	152	485	5490	109	1713	5259	4828	-608	-418	11772	4376	12436	2290	18438	49.67
23	4798	127	490	5415	96	1723	5239	5175	-608	-432	12024	4023	12612	2182	18229	49.67
24	4748	117	500	5365	75	1730	5114	5270	-568	-403	12037	3393	12436	2057	17487	49.77
MUs	111.27	26.06	11.60	148.93	1.18	42.29	112.40	113.60	-11.09	-7.30	299.26	91.92	329.20	52.80	443.97	49.57

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 06/Dec/2011

Position as on 6.30 Hrs of 07/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		Continued.	Gas Shortage	
Dabhol 1X	290	23/11/2011	03.45		Continued.	Gas Shortage	
Koradi Unit 6	210	03/12/2011	11.16	06/12/2011	06.28	BLR T/L.	
CPP WPCL U-3	135	03/12/2011	17.47	06/12/2011	03.15	Bottom Ash problem.	
Chandrapur Unit 6	500	05/12/2011	01.09		Continued.	BLR T/L.	
Chandrapur Unit 2	210	05/12/2011	11.24	06/12/2011	00.40	Main steam temp.low.	
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		Continued.	Boiler validity expired.	
Bhusawal Unit 3	210	06/12/2011	00.20	06/12/2011	06:59	General service line leakage.	
Dabhol 3A	230	06/12/2011	04:37	06/12/2011	18:31	Generator Protection trip.	
Paras Unit 4	250	06/12/2011	07:25	06/12/2011	09:37	Flame failure.	
Nasik Unit 4	210	06/12/2011	10:10	06/12/2011	12:30	Flame Failure.	
Uran Unit B0	120	06/12/2011	16:30	06/12/2011	19:39	220 KV B ph Breaker Pole Palm red hot problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Dec/2011

Position as on 6.30 Hrs of 07/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 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		Continued.	Due to heavy leakage in control valve of TBC(Ckt was charged through TBC).
Kolhapur-Mapusa-II	05/12/2011	22.03	06/12/2011	19.08	Over Voltage.
Kolhapur - Mapusa - I	07/12/2011	00.09		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.main C B Pole Burst at Dhule end.line ready to be taken I/S. @ 17.40 Hrs/04.12.2011
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
400/220KV,315MVA ICT-I at Karad	06/12/2011	11.24	06/12/2011	21.50	To attend Hot Spot
Bablswr-Padgha Ckt I	06/12/2011	13.35	06/12/2011	23.14	Distance Protection
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.
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).
Koradi-Butibori	05/12/2011	09.06	06/12/2011	10.14	Replacement of Isolator under LES

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Dec/2011

Position as on 6.30 Hrs of 07/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khaperkheda - Koradi	06/12/2011	10.27		Continued.	Replacement of 29A Isolator(Ckt on TBC)
220/66 KV 150 MVA ICT- I @ Gadchandur	06/12/2011	12.00		Continued.	Replacement of H.V.side CT's
Kalwa - Salshet - IV	06/12/2011	15.07	06/12/2011	17.19	Hot Spot
Voltage Level : 132KV		Outage Type PLANNED OUTAGE			
Girwali - Latur MIDC	05/12/2011	16.10	06/12/2011	18.08	Jumpering arrangement work
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator
Khadka-Malkapur	06/12/2011	09.45	06/12/2011	16.59	Repairing of Cut point Jumpers
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 Strengthening.
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 nitrogen pressure fire alarm received.
Karad - Kolhapur - II	05/12/2011	16.22	06/12/2011	09.33	Over Voltage.
Bhusawal- Aurangabad	05/12/2011	20.50	06/12/2011	06.34	Over Voltage.
Karad - Kolhapur - I	06/12/2011	16.21		Continued.	Over Voltage
Bhusawal- Aurangabad	06/12/2011	21.01	07/12/2011	05.52	Over Voltage
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).
Vita-Maisal	05/12/2011	16.32	06/12/2011	09.06	Distance protection.R-E.Zone-1.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 07/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			BHTGR/VEER	21	5
Unit 5	200	150	BHIRA T.R.	80	40
Unit 6	210	150	RNGR+BHTSA	20	16
Unit 7	210	170	BHANDARDRA	45	0
	620	470	ELDARY	23	0
Bhusawal			SMLHY_PTN	12	12
Unit 2	210	190	GHATGHAR	250	0
Unit 3	210	190		611	93
Unit 4	500		Wind		
	920	380	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	170	Kale	0	
Unit 5	210	135	Satara	0	
Unit 6	250	180	Shirala	0	
Unit 7	250	180	K Mahankal	0	
	1130	665	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	155	Dondaicha	0	
Unit 2	210	80	Sakri	0	
Unit 3	210	180	Nandurbar	0	
Unit 4	210	210	Khandke	0	
Unit 5	500	440	Khaparale	0	
Unit 6	500	0		0	
Unit 7	500	405	CPP		
	2340	1470	JSW_JAIGAD	600	1055
Paras			WARDHA	405	363
Unit 3	250	180	Other_CPPs	0	
Unit 4	250	180		1005	1418
	500	360	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	170	Trombay 5	500	490
Unit 2	210	190	Trombay 6	500	500
Unit 3	210	200	Trombay 7A	120	120
Unit 4	210	200	Trombay 7B	60	60
Unit 5	500	0	Trombay 8	250	250
	1340	760	TATA Hydro	444	447
Nasik				2024	1867
Unit 3	210	210	REL		
Unit 4	210	210	1&2	500	500
Unit 5	210	180		500	500
	630	600	Cent Sect		
Uran			Share	3455	5386
All Units	852	555		3455	5386
	852	555			
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			