



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Jan/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.770	621.005	1) Gujrat	5.828	27.937
2) Hydro	8.777	60.604	2) Madhya Pradesh	22.444	135.582
3) Gas	15.372	90.535	3) Chattisgarh	13.720	76.940
Total MSGENCO	125.919	772.144	4) Maharashtra	54.201	307.119
B) OTHERS			5) Goa	-5.780	-35.511
1) JSW JAIGAD	20.060	137.259	6) TAPS 1&2 Injection	7.824	46.882
2) WPCL	7.944	44.945	7) RGPPL Injection	25.585	153.677
3) Other CPP / IPP	6.767	38.160	8) Pench (Excess)	-0.543	-1.914
4) Wind Generation	2.948	13.853	# Total Cent. Sector	123.279	710.712
5) PENCH (MS)	0.543	2.319	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-3.733	-15.555
1) TPCL Thermal	27.432	157.719	G) Bilateral Power *		
2) TPCL Hydro	2.672	17.188	1) MSEDCL Bilateral	44.535	255.232
TOTAL TPCL	30.104	174.907	Include PX	3.777	23.045
3) REL Thermal	12.659	75.042	2) MUMBAI Bilateral	7.360	39.446
D) STATE			Include PX	-3.868	-25.127
1) Thermal (A1+C1+C3)	141.861	853.766	3) MUMBAI Schedule	7.360	39.446
2) Hydro (A2+B5+C2)	11.992	80.111	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.372	90.535	1) MSEDCL	283.727	1703.837
4) Wind (B4)	2.948	13.853	2) TPCL	30.934	177.903
5) CPP (B1+B2+B3)	34.771	220.364	3) REL	15.555	87.593
TOTAL STATE	206.944	1258.629	TOTAL STATE	330.216	1969.333

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4277	4330	4135
MSGENCO Hydro	798	458	154
MSGENCO Gas	621	637	657
MSGENCO Total Generation	5696	5425	4946
Central Sector Receipt	5166	5139	4988
WIND	35	205	64
CPP / IPP	1552	1561	1266
Exchange with Mumbai	-244	-345	78
MSEDCL DEMAND MET	12256	12038	11342
Load Shedding (LS)	2107	720	401
MSEDCL DEMAND (INCL. LS)	14363	12758	11743
TPCL GENERATION	1590	1530	812
REL GENERATION	526	526	528
TPCL+REL DEMAND	2360	2401	1262
STATE DEMAND MET	14616	14439	12604
Load Management (LM)	2660	3942	1651
Total Load Relief (LS+LM)	4767	4662	2052
UNRESTRICTED STATE DEMAND	19383	19101	14656
Frequency (Hz)	49.55	49.72	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 18.01 Hrs	49.27 Hz at 10.19 Hrs	49.85	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 06/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.99	17.98	136	0	75
Unit 6	2.48	16.67	147	89	125
Unit 7	3.36	22.56	155	125	125
Total	7.84	57.21			325
Bhusawal					
Unit 2	0.00	14.46	0	0	0
Unit 3	4.37	25.50	190	170	161
Unit 4	0.00	0.00	0	0	
Total	4.37	39.96			161
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.50	24.45	198	158	180
Unit 5	0.00	10.23	0	0	0
Unit 6	4.94	28.33	231	170	180
Unit 7	4.66	26.35	214	165	170
Total	14.10	89.37			530
Chandrapur					
Unit 1	3.66	21.57	156	150	137
Unit 2	3.58	21.89	160	131	133
Unit 3	3.72	23.20	167	115	143
Unit 4	5.02	30.08	210	205	187
Unit 5	0.00	0.00	0	0	0
Unit 6	9.58	58.54	440	289	386
Unit 7	10.52	47.54	467	391	414
Total	36.07	202.83			1400
Paras					
Unit 3	5.00	32.78	255	171	180
Unit 4	5.22	32.64	246	170	180
Total	10.22	65.42			360
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.20	26.05	191	160	190
Unit 3	5.24	24.82	222	215	210
Unit 4	5.23	31.10	222	200	210
Unit 5	0.00	1.11	0	0	
Total	14.67	83.08			610
Nasik					
Unit 3	5.18	29.31	220	210	210
Unit 4	4.95	29.59	212	192	210
Unit 5	4.38	24.23	190	174	190
Total	14.51	83.13			610
Uran					
All Units	15.37	90.54	664	610	630
Total	15.37	90.54			630
PENCH (MS)					
Pench (MS)	0.54	2.32	53	0	
Total	0.54	2.32			
Koyna					
Stage 1-2	2.15	14.97	375	40	600
Stage 4	0.00	5.45	0	0	250
Stage 3	0.56	4.78	160	0	320
Total	2.71	25.20			1170
Kovna 12&4 Total	2.15	20.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.93	2.94	39	38	18
VTRNA	0.99	5.74	61	0	60
TILLARI	0.42	2.41	60	0	60
BHTGR/VEER	0.46	2.73	20	19	20
BHIRA T.R.	0.13	0.91	45	0	80
RNGR+BHTSA	0.36	2.23	15	14	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	1.53	0	0	0
SMLHY PTN	1.09	6.37	53	42	11
GHATGHAR	1.68	10.54	250	0	0
Total	6.07	35.40			266
Wind					
MalharPeth	0.19	0.72			
Vankuswadi	0.21	1.02			
ATIT	0.09	0.23			
Kale	0.08	0.34			
Satara	0.42	1.92			
Shirala	0.09	0.33			
K Mahankal	0.08	0.47			
Supa	0.17	0.38			
Vita	0.16	1.16			
Dondaicha	0.97	4.87			
Sakri	0.17	0.68			
Nandurbar	0.08	0.49			
Khandke	0.12	0.61			
Khaparale	0.13	0.65			
Total	2.95	13.85			
CPP					
JSW JAIGAD	20.06	137.26	910	727	825
WARDHA	7.94	44.94	374	259	365
Other CPPs	6.77	38.16			
Total	34.77	220.36			1190
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.56	62.61	502	283	500
Trombay 6	6.60	34.15	479	154	500
Trombay 7A	3.02	18.16	130	121	120
Trombay 7B	1.66	9.93	70	68	60
Trombay 8	5.59	32.86	251	175	250
TATA Hydro	2.67	17.19	289	0	447
Total	30.10	174.91			1877
REL					
1&2	12.66	75.04	529	526	500
Total	12.66	75.04			500
Cent Sect					
Share					5049
Total					5049

MS PG CL	Thermal	101.77	621.00			3996
	Thml+Gas	117.14	711.54			4626
	Hydro	8.78	60.60			1436
	Total	125.92	772.14			6062
State Total		206.94	1258.63			14678

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Jan/2012

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	4110	154	653	4917	50	1261	4661	5405	-187	-76	11557	2131	11737	1431	15119	49.88
2	4130	164	653	4947	50	1258	4600	5207	-119	28	11490	2278	11851	1313	15081	50.08
3	4135	154	657	4946	64	1266	4575	4988	-92	78	11342	2052	11743	1262	14656	50.05
4	4136	164	653	4953	71	1264	4554	4954	-71	100	11342	2253	11750	1241	14836	50.05
5	4126	160	655	4941	78	1260	4560	5143	-76	95	11517	2266	11936	1245	15028	50.05
6	4189	165	659	5013	79	1300	4684	5431	3	126	11974	2558	12609	1343	15875	49.86
7	4241	155	658	5054	80	1488	4748	5174	-135	74	11895	3735	13181	1545	17175	49.86
8	4294	300	664	5258	71	1498	4795	5340	-230	-81	12111	4088	13584	1700	17899	49.76
9	4287	738	645	5670	50	1533	4864	4917	-308	-229	11966	4372	13558	1935	18273	49.66
10	4302	951	643	5896	32	1523	4906	4867	-357	-176	12195	4621	14102	2190	19006	49.60
11	4277	798	621	5696	35	1552	5263	5166	-405	-244	12256	4767	14363	2360	19383	49.55
12	4275	931	618	5824	49	1543	5279	5039	-421	-249	12257	4571	14172	2432	19260	49.58
13	4385	697	610	5692	73	1559	5265	5378	-405	-233	12494	4655	14491	2396	19545	49.68
14	4367	432	612	5411	105	1562	5250	5504	-392	-242	12365	4350	14108	2276	18991	50.01
15	4315	341	615	5271	129	1569	5228	5732	-368	-273	12453	3986	14009	2329	18768	49.86
16	4315	267	617	5199	145	1538	5199	5392	-341	-253	12045	3951	13684	2343	18339	50.01
17	4316	216	617	5149	186	1550	4808	4629	-431	-210	11304	4239	12899	2281	17824	49.85
18	4312	256	640	5208	165	1483	4827	4396	-450	-210	11042	4343	12253	2274	17659	49.90
19	4323	336	635	5294	215	1558	4958	5110	-463	-324	11896	4784	12769	2358	19038	49.82
20	4330	458	637	5425	205	1561	5050	5139	-483	-345	12038	4662	12758	2401	19101	49.72
21	4290	314	640	5244	299	1562	5050	5054	-478	-302	11908	4505	12471	2253	18666	49.25
22	4096	221	655	4972	230	1472	5000	4981	-453	-303	11377	4357	11792	2061	17795	49.99
23	4092	221	654	4967	243	1326	4918	5133	-400	-283	11403	3511	11768	1869	16783	50.07
24	4127	184	661	4972	244	1285	4744	5200	-299	-201	11500	2976	11787	1658	16134	50.23
MUs	101.7 7	8.78	15.37	125.92	2.95	34.77	117.79	123.28	-7.36	-3.73	283.73	90.01	309.38	46.50	420.23	49.85

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/Jan/2012

Position as on 6.30 Hrs of 07/Jan/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	14/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	Annual Overhaul.	14/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37		Continued.	Annual Overhaul	10/02/2012
Koyna Unit 2	75	06/01/2012	07.00	06/01/2012	18.00	R.M.Work.	
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	31/01/2012
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Chandrapur Unit 5	500	29/12/2011	12.13		Continued.	Emergency Supply Fail.	07/01/2012
Khaparkheda Unit 5	500	01/01/2012	05.48		Continued.	Tripped on generator protection operated.	
Parli Unit 5	210	04/01/2012	12:32		Continued.	Boiler Tube Leakage.	07/01/2012
Bhusawal Unit 2	210	04/01/2012	12:59	07/01/2012	04.08	Boiler Tube Leakage.	
CPP JSW (J) U1	300	05/01/2012	22.10		Continued.	Bottom Ash Problem	
Koradi Unit 5	200	06/01/2012	18.11		Continued.	I S Fan Problem.	
Uran Unit B0	120	07/01/2012	03.57		Continued.	Turbine Bearing Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jan/2012

Position as on 6.30 Hrs of 07/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temprrory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	09/12/2011	16.41		Continued.	Over Voltage.
Chandrapur-Bhadravti - I	25/12/2011	22.48		Continued.	Over Voltage.
Wardha - Akola - I	29/12/2011	21.45	06/01/2012	08.31	Over Voltage.
Parly(PG)- Solapur(PG) - I	01/01/2012	00.10		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	03/01/2012	22.41		Continued.	Over Voltage.
Kolhapur - Mapusa - I	05/01/2012	22.01		Continued.	Over Voltage
Wardha - Akola - II	06/01/2012	20.30		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.
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.up to 04.01.2012
400/132 KV 200 MVA ICT - II @ Khadka	06/01/2012	08.55	06/01/2012	13.34	Replacement of Y Ph Bus-II Faulty Seizer of 400/220KV 200 MVA ICT-II(ICT H V Side Will be Shifted on
Khadka - Deepnagar - II	06/01/2012	09.42	06/01/2012	20.18	P G Isolator Allngnment of 400 KV Deepnagar Bay-I.
Main Bus - II @ Khadka	06/01/2012	09.48	06/01/2012	20.05	Replacement of Y Ph.Bus-II Faulty Sizer of 400/220 KV 200 MVA ICT-II.
400 KV TBC @ Bhusawal	06/01/2012	13.53	06/01/2012	18.16	Replacement of B Ph. Bus-II Faulty Sizer of 400KV TBC Bay.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation(Charged on No Load at 19.03Hrs on 2/1/2012)
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 16.01.2012.
Bus Bar Protection at Parli (GCR)	24/12/2011	14.42		Continued.	Commissioning of New bus bar protection.(Up to 10/1/2012)
220/6.6kv Stn. T/F NO.IV @ KORADI	28/12/2011	10.41		Continued.	Commissioning of SCADA Scheme
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Ambazari-Amravati	06/01/2012	05.55	06/01/2012	18.17	Stringing Work of 400KV D C Kradi-II to Deoli(PGCIL)Line @ Loc.27/2-27/3.
Kalwa-Temghar	06/01/2012	06.17	06/01/2012	15.20	Replacement of Single Core Conductor with Twin core in B Ph.
Kalwa-Taloja	06/01/2012	06.18	06/01/2012	15.12	Replacement of Single Core Conductor with Twin core in B Ph.
220 KV Road Side Bus @	06/01/2012	06.42	06/01/2012	14.46	Replacement of Single Core Conductor

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jan/2012

Position as on 6.30 Hrs of 07/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Kalwa					with Twin core in B Ph.
Bus Coupler @ Boiser	06/01/2012	09.02	06/01/2012	13.44	C T Leakage Attending.
Karad-Kolhapur - II	06/01/2012	09.12	06/01/2012	19.00	Replacement of C T's.
Chalisgaon - Malegaon	06/01/2012	09.17	06/01/2012	14.44	Maintenance Work.
220 KV TBC @ Koradi	06/01/2012	10.35	06/01/2012	16.55	Measurment of Tan Delta of C T.
Uran-Kharghar-II	06/01/2012	10.44	06/01/2012	14.38	Line Taken on TBC for Measurment of Breaker Timing.
Mahape-Tifil	06/01/2012	12.25	06/01/2012	15.13	To Attend Oil Leakage of Y Ph. C T.
Aurangabad - Bhenda	06/01/2012	13.00	06/01/2012	15.57	Tan Delta.
Babaleshwar - Bhenda	06/01/2012	16.23	06/01/2012	17.54	Tan Delta.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
50 MVAR Reactor on 400 KV Bhusawal - II	16/12/2011	12.02		Continued.	To Attend Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
Karad - Kolhapur - II	05/01/2012	16.52	06/01/2012	09.35	Over Voltage
Bhusawal- Aurangabad	05/01/2012	17.07	06/01/2012	07.12	Over Voltage
Karad - Kolhapur - II	06/01/2012	16.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	06/01/2012	17.52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora,Hinganghat -Warora.L/L.
Bale-Usmanabad	31/12/2011	11.52		Continued.	To control Lamboti-Bale line.
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 atDhule(Charged through
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 07/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	155
	620	300
Bhusawal		
Unit 2	210	100
Unit 3	210	170
Unit 4	500	
	920	270
Parli		
Unit 3	210	0
Unit 4	210	195
Unit 5	210	0
Unit 6	250	175
Unit 7	250	180
	1130	550
Chandrapur		
Unit 1	210	155
Unit 2	210	140
Unit 3	210	170
Unit 4	210	210
Unit 5	500	0
Unit 6	500	325
Unit 7	500	360
	2340	1360
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	195
Unit 4	210	195
Unit 5	500	
	1340	560
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	515
	852	515
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	36
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	20
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	241
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	365
Other CPPs	0	
	1005	1190
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	4998
	3455	4998