



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Jan/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.697	835.917	1) Gujrat	0.185	31.023
2) Hydro	10.224	80.575	2) Madhya Pradesh	25.318	185.424
3) Gas	15.557	120.769	3) Chattisgarh	13.920	104.780
Total MSGENCO	135.478	1037.261	4) Maharashtra	53.504	415.702
B) OTHERS			5) Goa	-4.939	-46.255
1) JSW JAIGAD	18.065	175.400	6) TAPS 1&2 Injection	7.800	62.476
2) WPCL	6.353	59.268	7) RGPPL Injection	24.733	203.437
3) Other CPP / IPP	6.693	51.493	8) Pench (Excess)	-0.474	-2.922
4) Wind Generation	3.045	20.007	# Total Cent. Sector	120.047	953.665
5) PENCH (MS)	0.474	3.327	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-2.043	-20.410
1) TPCL Thermal	21.414	204.927	G) Bilateral Power *		
2) TPCL Hydro	1.062	20.921	1) MSEDCL Bilateral	38.179	337.451
TOTAL TPCL	22.476	225.848	Include PX	4.124	31.129
3) REL Thermal	12.030	99.735	2) MUMBAI Bilateral	6.064	52.193
D) STATE			Include PX	-4.739	-34.059
1) Thermal (A1+C1+C3)	143.141	1140.579	3) MUMBAI Schedule	6.064	52.193
2) Hydro (A2+B5+C2)	11.760	104.823	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.557	120.769	1) MSEDCL	288.112	2280.011
4) Wind (B4)	3.045	20.007	2) TPCL	24.509	231.763
5) CPP (B1+B2+B3)	31.111	286.161	3) REL	12.042	114.221
TOTAL STATE	204.614	1672.339	TOTAL STATE	324.663	2625.995

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4331	4751	4577
MSGENCO Hydro	1485	447	146
MSGENCO Gas	624	650	658
MSGENCO Total Generation	6440	5848	5381
Central Sector Receipt	5408	4995	4854
WIND	47	248	88
CPP / IPP	1356	1378	1143
Exchange with Mumbai	-222	-366	-14
MSEDCL DEMAND MET	13080	12143	11452
Load Shedding (LS)	1955	832	288
MSEDCL DEMAND (INCL. LS)	15035	12975	11740
TPCL GENERATION	1002	924	817
REL GENERATION	528	528	387
TPCL+REL DEMAND	1752	1818	1218
STATE DEMAND MET	14832	13961	12670
Load Management (LM)	2187	3574	1650
Total Load Relief (LS+LM)	4142	4406	1938
UNRESTRICTED STATE DEMAND	18974	18367	14608
Frequency (Hz)	49.69	49.83	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 18:00 Hrs	49.34 Hz at 09:14 Hrs	49.92	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 08/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.18	18.16	80	0	0
Unit 6	3.47	23.67	157	135	140
Unit 7	4.20	30.73	187	160	180
Total	7.84	72.56			320
Bhusawal					
Unit 2	4.31	21.78	190	170	180
Unit 3	4.40	34.14	195	170	180
Unit 4	0.00	0.00	0	0	0
Total	8.72	55.92			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.84	33.81	209	180	200
Unit 5	2.09	12.38	140	0	0
Unit 6	4.41	37.13	231	166	160
Unit 7	3.59	34.44	234	0	160
Total	14.94	117.75			520
Chandrapur					
Unit 1	3.77	29.03	161	152	155
Unit 2	3.71	29.18	160	141	150
Unit 3	3.94	31.06	177	152	170
Unit 4	5.11	40.30	214	212	210
Unit 5	0.58	0.58	205	0	0
Unit 6	10.31	77.77	460	405	425
Unit 7	10.07	68.03	465	378	400
Total	37.49	275.95			1510
Paras					
Unit 3	6.06	44.97	257	241	250
Unit 4	5.60	44.15	250	199	250
Total	11.66	89.12			500
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.61	35.18	195	185	190
Unit 3	4.70	34.69	216	171	210
Unit 4	5.25	41.40	222	215	210
Unit 5	0.31	1.42	137	0	0
Total	14.87	112.69			610
Nasik					
Unit 3	4.89	39.43	223	180	210
Unit 4	4.85	39.43	213	172	210
Unit 5	4.45	33.08	192	177	190
Total	14.19	111.94			610
Uran					
All Units	15.56	120.77	669	620	630
Total	15.56	120.77			630
PENCH (MS)					
Pench (MS)	0.47	3.33	53	0	0
Total	0.47	3.33			0
Koyna					
Stage 1-2	1.84	18.94	435	40	530
Stage 4	1.44	7.41	547	0	250
Stage 3	1.10	6.41	240	0	320
Total	4.38	32.76			1100
Kovna 12&4 Total	3.28	26.35			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	4.20	20	19	36
VTRNA	0.94	7.65	61	0	60
TILLARI	0.44	3.27	60	0	60
BHTGR/VEER	0.50	3.71	21	20	6
BHIRA T.R.	0.10	1.15	41	0	80
RNGR+BHTSA	0.38	2.98	16	15	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	1.53	0	0	0
SMLHY PTN	1.14	8.58	56	44	30
GHATGHAR	1.89	14.75	250	0	0
Total	5.84	47.82			282
Wind					
MalharPeth	0.17	1.12			
Vankuswadi	0.26	1.48			
ATIT	0.04	0.36			
Kale	0.08	0.51			
Satara	0.69	3.03			
Shirala	0.06	0.49			
K Mahankal	0.02	0.64			
Supa	0.21	0.70			
Vita	0.51	1.80			
Dondaicha	0.58	6.37			
Sakri	0.15	1.03			
Nandurbar	0.06	0.64			
Khandke	0.18	0.84			
Khaparale	0.05	1.00			
Total	3.04	20.01			
CPP					
JSW JAIGAD	18.06	175.40	821	601	825
WARDHA	6.35	59.27	275	255	276
Other CPPs	6.69	51.49			
Total	31.11	286.16			1101
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.35	80.52	496	0	500
Trombay 6	3.86	42.97	225	155	500
Trombay 7A	3.07	24.28	131	123	120
Trombay 7B	1.66	13.25	70	68	60
Trombay 8	5.47	43.90	248	173	250
TATA Hydro	1.06	20.92	267	0	447
Total	22.48	225.85			1877
REL					
1&2	12.03	99.74	530	387	500
Total	12.03	99.74			500
Cent Sect					
Share					4713
Total					4713

MS PG CL	Thermal	109.70	835.92			4430
	Thml+Gas	125.25	956.69			5060
	Hydro	10.22	80.58			1382
	Total	135.48	1037.26			6442
State Total		204.61	1672.34			14633

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	4525	141	657	5323	95	1190	4755	5106	-450	-140	11574	2162	11727	1413	15149	49.99
2	4552	141	657	5350	83	1187	4643	5015	-450	-95	11540	2241	11808	1298	15079	50.01
3	4577	146	658	5381	88	1143	4578	4854	-450	-14	11452	1938	11740	1218	14608	50.13
4	4525	151	659	5335	93	1138	4417	4810	-271	12	11388	2101	11675	1190	14679	50.11
5	4506	141	666	5313	104	1140	4428	4931	-273	11	11499	2142	11810	1196	14837	50.05
6	4455	141	669	5265	82	1352	4204	4904	-6	160	11773	2517	12336	1264	15554	49.93
7	4362	176	660	5198	54	1379	4229	4997	-79	200	11845	3336	13155	1337	16518	49.87
8	4298	223	657	5178	42	1374	4472	5190	-121	207	12016	3904	13592	1372	17292	49.74
9	4268	516	665	5449	29	1369	4510	5311	-164	103	12288	3975	13913	1507	17770	49.76
10	4255	1365	630	6250	26	1376	4540	5047	-195	-16	12708	4190	14618	1635	18533	49.67
11	4213	1276	630	6119	28	1364	4982	5457	-238	-145	12876	4242	14923	1736	18854	49.67
12	4331	1485	624	6440	47	1356	5011	5408	-264	-222	13080	4142	15035	1752	18974	49.69
13	4530	799	620	5949	98	1361	5012	5711	-254	-201	12964	4279	15054	1725	18968	49.84
14	4581	405	623	5609	184	1349	4997	5919	-211	-97	13011	3964	14832	1633	18608	50.02
15	4573	411	624	5608	243	1363	4965	5666	-158	-12	12894	3624	14557	1568	18086	50.00
16	4617	456	630	5703	194	1368	4911	5307	-132	28	12617	3679	14450	1507	17803	50.00
17	4620	387	635	5642	216	1363	4378	4384	-238	-1	11604	4026	13394	1488	17118	49.89
18	4713	258	648	5619	210	1346	4365	4151	-158	-2	11334	3992	12605	1536	16862	49.95
19	4708	338	645	5691	228	1347	4634	4682	-312	-301	11687	4558	12701	1753	17998	49.91
20	4751	447	650	5848	248	1378	4763	4995	-381	-366	12143	4406	12975	1818	18367	49.83
21	4858	270	656	5784	234	1334	4733	4837	-344	-415	11801	4225	12469	1801	17827	49.92
22	4982	208	665	5855	180	1195	4675	4588	-312	-339	11492	3951	11904	1761	17204	50.05
23	5010	204	664	5878	141	1193	4555	4376	-301	-272	11316	3444	11375	1614	16374	50.00
24	4887	139	665	5691	98	1146	4438	4401	-302	-126	11210	2847	11268	1427	15484	50.08
MUs	109.7 0	10.22	15.56	135.48	3.04	31.11	111.20	120.05	-6.06	-2.04	288.11	83.88	313.92	36.55	408.55	49.92

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 08/Jan/2012

Position as on 6.30 Hrs of 09/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 ST - IV 3	250	07/01/2012	15.45		Continued.	Spherical Oil Tank Level Increased.	22/01/2012
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	08/01/2012	19.50	Emergency Supply Fail.	
Khaparkheda Unit 5	500	01/01/2012	05.48	08/01/2012	20.03	Tripped on generator protection operated.	
CPP JSW (J) U1	300	05/01/2012	22.10		Continued.	Bottom Ash Problem	
Koradi Unit 5	200	06/01/2012	18.11	08/01/2012	20.38	I S Fan Problem.	
Koyna Unit 4	75	07/01/2012	07.05	08/01/2012	16.45	Preventive Maintenance.	
Cent_Sect NTPC(K-7)	500	07/01/2012	09.07	08/01/2012	12.40	Boiler Tube Leakage.	
Parli Unit 5	210	08/01/2012	05.30	08/01/2012	09.15	Drum Level Low.	
Parli Unit 7	250	08/01/2012	06.49	08/01/2012	10.44	Flame Failure.	
Parli Unit 5	210	08/01/2012	09.36	08/01/2012	12.11	Drum level high.	
Khaparkheda Unit 5	500	08/01/2012	23.18	09/01/2012	04.20	Tripped on electrical Prot'n operated.	
Koradi Unit 5	200	08/01/2012	23.27	09/01/2012	01.28	Tripped on vacuum problem.	
Khaparkheda Unit 3	210	09/01/2012	00.12		Continued.	High Voltage C.B.Failed.	
Paras Unit 4	250	09/01/2012	01.08	09/01/2012	04.48	Drum level high.	
Koradi Unit 5	200	09/01/2012	01.48		Continued.	DTS system problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jan/2012

Position as on 6.30 Hrs of 09/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). Temporary 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.
Parli (PG) - Wardha (PG) - II	29/12/2011	18.21		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	03/01/2012	22.41		Continued.	Over Voltage.
Wardha - Akola - II	06/01/2012	20.30		Continued.	Over Voltage.
Kolhapur - Mapusa - I	07/01/2012	21.35		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
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.
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
Trombay - Salsett - I	08/01/2012	06.05	08/01/2012	21.59	To facilitate tower erection & conductor shifting work of Tr-Sal-1 line for MMRDA.
Bhira - Dharavi - VII	08/01/2012	06.05	08/01/2012	21.59	To facilitate tower erection & conductor shifting work of Tr-Sal-1 line for MMRDA.
220/33 KV 100 MVA T/F - II @ Ghodbandar	08/01/2012	07.46	08/01/2012	17.39	Annual maintenance work.
Pedambe - Oni	08/01/2012	08.10	08/01/2012	17.05	Preventive maintenance work.
Aarey-Borivali-I	08/01/2012	09.03	08/01/2012	16.16	For Taking CVT & W/T in service at both end.
Dharavi - Trombay - 5	08/01/2012	13.28	08/01/2012	21.59	To facilitate tower erection & conductor shifting work of Tr-Sal-1 line for MMRDA.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Kopargaon	08/01/2012	11.35	08/01/2012	12.35	Flashover string replacement work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Kandalgaon-Roha-I	08/01/2012	09.05	08/01/2012	17.35	Replacement of old damaged

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jan/2012

Position as on 6.30 Hrs of 09/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					conductor.
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 : 220KV					Outage Type FORCED OUTAGE
Gangapur-Valve	08/01/2012	09.56	08/01/2012	18.10	Decapping of insulator and isolator maint. work.
Voltage Level : 400KV					Outage Type HAND TRIPPED
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Karad - Kolhapur - I	07/01/2012	16.19	08/01/2012	10.00	Over Voltage.
Bhusawal- Aurangabad	07/01/2012	17.34	08/01/2012	07.12	Over Voltage.
400/220KV 500MVA ICT-III at Dhule	07/01/2012	20.04		Continued.	Due to MCCB of Diff. Relay Burnt.
Karad - Kolhapur - I	08/01/2012	16.21		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/01/2012	17.20		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.
Bableshtar-Nasik-I	08/01/2012	10.49	08/01/2012	18.38	To Control Interconnector & Bus section load.
Kalwa-Temghar	08/01/2012	14.32	08/01/2012	16.30	To Control Interconnector & Bus section load.
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).
Apta-Kalwa	08/01/2012	14.10	08/01/2012	16.14	Distance Protection.
Apta - Taloja	08/01/2012	14.10	08/01/2012	16.26	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	195
	620	350
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	205
Unit 5	210	145
Unit 6	250	180
Unit 7	250	170
	1130	700
Chandrapur		
Unit 1	210	155
Unit 2	210	155
Unit 3	210	160
Unit 4	210	210
Unit 5	500	350
Unit 6	500	425
Unit 7	500	430
	2340	1885
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
Unit 5	500	
	1340	400
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	15
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	17
GHATGHAR	250	0
	611	283
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	4972
	3455	4972

	17900	7 of 7	15357
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