



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Jan/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	134.157	399.928	1) Madhya Pradesh	36.920	106.850
2) Hydro	14.871	31.462	2) Gujrat	17.734	57.757
3) Gas	15.959	48.185	3) Goa	-6.139	-17.317
Total MSGENCO	164.987	479.575	4) TAPS 1&2 (Inj.)	7.814	23.527
B) OTHERS			5) Pench (Excess)	-0.630	-1.508
1) RGPPL Gas	34.337	100.163	# Total Cent. Sector	55.699	169.309
2) Wind Generation	5.565	15.092	F) Other Exchanges		
3) CPP / IPP	21.948	66.616	1) With TPCL (Excess)	-2.605	-3.886
4) PENCH (MS)	0.630	1.508	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	16.006	43.131
1) TPCL Thermal	23.579	66.509	Include PX	0.000	0.000
2) TPCL Hydro	4.456	6.705	2) MUMBAI Bilateral	4.375	9.178
TOTAL TPCL	28.035	73.214	Include PX	-1.053	-2.374
3) REL Thermal	12.603	37.992	3) MUMBAI Schedule	4.375	9.178
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	170.339	504.429	1) MSEDCL	280.561	828.377
2) Hydro (A2+B3+C2)	19.957	39.675	2) TPCL	29.373	77.626
3) Gas (A3+B1)	50.296	148.348	3) REL	13.869	37.462
4) Wind (B2)	5.565	15.092	TOTAL STATE	323.803	943.465
5) CPP (B3)	21.948	66.616			
TOTAL STATE	268.105	774.160			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5858	5456	5145
MSGENCO Hydro	1105	1329	188
MSGENCO Gas	638	656	689
MSGENCO Total Generation	7601	7441	6022
Central Sector Receipt	2687	2818	714
RGPPL	1199	1512	1386
WIND	205	149	361
CPP / IPP	955	987	847
Exchange with Mumbai	-215	-349	130
MSEDCL DEMAND MET	12485	12585	9460
Load Shedding	1869	2822	0
MSEDCL DEMAND (INCL. LS)	14354	15407	9460
TPCL GENERATION	1531	1392	772
REL GENERATION	528	529	530
TPCL+REL DEMAND	2274	2270	1172
STATE DEMAND MET	14759	14855	10632
STATE DEMAND (INCL. LS)	16628	17677	10632
Frequency (Hz)	49.72	49.70	50.23
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2973 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			25.82 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.56 Hz at 02.03 Hrs	49.25 Hz at 18.23 Hrs	49.9	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 03/Jan/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.78	5.24	80	68	75
Unit 2	0.67	4.18	72	0	75
Unit 3	1.93	5.36	90	70	80
Unit 4	1.85	2.80	96	65	70
Unit 5	3.67	11.00	162	140	155
Unit 6	0.00	0.00	0	0	0
Unit 7	4.01	11.92	180	145	180
	13.91	40.50			635
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.81	10.24	185	0	200
Unit 3	4.54	13.46	205	170	200
	6.36	23.70			400
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.99	11.88	175	155	175
Unit 4	4.31	12.94	198	158	195
Unit 5	4.70	13.66	212	160	205
Unit 6	5.04	15.08	249	169	205
Unit 7	5.33	14.10	249	170	240
	23.36	67.67			1020
Chandrapur					
Unit 1	3.72	10.81	165	129	160
Unit 2	3.39	10.31	158	106	150
Unit 3	4.67	13.54	207	158	195
Unit 4	4.35	12.86	199	160	200
Unit 5	10.86	32.59	500	275	500
Unit 6	10.20	30.20	490	277	470
Unit 7	9.63	28.67	450	317	350
	46.82	138.98			2025
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.17	13.65	220	124	230
Unit 4	4.79	14.44	237	158	200
	8.95	28.08			430
Khaparkheda					
Unit 1	4.81	14.16	210	170	210
Unit 2	4.73	14.06	210	177	210
Unit 3	4.90	14.57	213	180	205
Unit 4	3.10	12.53	208	0	200
	17.55	55.33			825
Nasik					
Unit 1	2.08	6.13	93	82	100
Unit 2	2.19	5.90	96	85	100
Unit 3	4.30	13.18	205	135	200
Unit 4	4.29	7.36	200	166	190
Unit 5	4.35	13.10	195	162	190
	17.21	45.67			780
Koyna					
Stage 1-2	2.73	6.47	455	35	600
Stage 4	4.80	6.46	636	0	250
Stage 3	1.95	3.12	316	0	240
	9.48	16.05			1090
Kovna 12&4 Total	7.53	12.93			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.96	48.18	693	634	650
		15.96	48.18			650
Hydro						
KDPH		0.33	1.26	20	0	18
VTRNA		0.93	3.59	61	0	60
TILLARI		0.41	1.18	60	0	60
BHTGR/VEER		0.53	1.58	22	22	22
BHIRA T.R.		0.12	0.32	61	0	80
RNGR+BHTSA		0.36	1.13	16	15	16
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.94	2.75	46	36	11
GHATGHAR		1.77	3.61	250	0	0
		5.39	15.42			267
PENCH (MS)						
Pench (MS)		0.63	1.51	53	0	0
		0.63	1.51			0
Wind						
MalharPeth		0.25	0.63			
Vankuswadi		0.72	1.61			
ATIT		0.08	0.20			
Kale		0.22	0.50			
Satara		0.16	0.54			
Shirala		0.22	0.56			
K Mahankal		0.67	1.48			
Supa		0.10	0.43			
Vita		0.78	2.68			
Dondaicha		1.18	2.82			
Sakri		0.16	0.63			
Nandurbar		0.08	0.24			
Khandke		0.49	1.77			
Khaparale		0.46	0.99			
		5.56	15.09			
CPP						
TOTAL CPP		21.95	66.62			
		21.95	66.62			
Dabhol						
RGPPL		34.34	100.16	1536	1195	1590
		34.34	100.16			1590
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.04	25.98	490	275	490
Trombay 6		3.60	10.80	150	150	500
Trombay 7A		2.99	9.03	128	121	120
Trombay 7B		1.64	4.93	69	68	60
Trombay 8		5.30	15.77	250	150	250
TATA Hydro		4.46	6.70	459	0	447
		28.04	73.21			1867
REL						
1&2		12.60	37.99	530	506	500
		12.60	37.99			500
Cent Sect						
Share						3278
						3278
MS PG CL	Thermal	134.16	399.93			6115
	Thml+Gas	150.12	448.11			6765
	Hydro	14.87	31.46			1357
	Total	164.99	479.58			8122
State Total		268.10	774.16			15357

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Jan/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum SCH.	Mum NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	5241	203	688	6132	1384	344	846	1981	1273	-52	25	10004	0	10004	1275	11279	50.05
2	5145	188	689	6022	1386	361	847	1929	714	-52	130	9460	0	9460	1172	10632	50.23
3	5096	198	692	5986	1384	396	843	2002	1092	-27	176	9877	0	9877	1106	10983	50.27
4	5084	193	693	5970	1385	425	840	2002	1320	-27	187	10127	0	10127	1091	11218	50.37
5	5687	193	691	6571	1389	365	846	1970	947	-27	186	10304	0	10304	1093	11397	50.26
6	6000	156	688	6844	1521	341	877	2040	1232	-27	131	10946	0	10946	1156	12102	50.01
7	6100	137	685	6922	1519	338	926	2919	2222	-101	-57	11913	157	12070	1383	13453	49.84
8	6186	142	685	7013	1519	334	930	2948	2558	-10	26	12433	1179	13612	1544	15156	49.82
9	6021	477	675	7173	1513	248	956	3012	2687	-80	-35	12594	1640	14234	1763	15997	49.69
10	6119	912	661	7692	1505	246	911	3123	2540	-107	-64	12882	1624	14506	2042	16548	49.70
11	5935	824	643	7402	1304	225	939	3289	2728	-260	-218	12433	1777	14210	2245	16455	49.75
12	5858	1105	638	7601	1199	205	955	3285	2687	-260	-215	12485	1869	14354	2274	16628	49.72
13	5752	982	638	7372	1195	152	946	3335	3078	-314	-284	12510	1868	14378	2251	16629	49.73
14	5649	954	638	7241	1238	123	951	3335	3145	-314	-274	12475	1895	14370	2171	16541	49.83
15	5674	1101	638	7413	1272	94	953	3321	2979	-314	-279	12483	1950	14433	2197	16630	49.78
16	5548	1244	634	7426	1480	61	939	3223	2851	-314	-282	12512	1971	14483	2187	16670	49.77
17	5471	1327	642	7440	1512	59	978	3224	2915	-314	-289	12615	1989	14604	2159	16763	49.76
18	5439	1685	643	7767	1512	89	962	3225	2925	-314	-287	12968	1938	14906	2179	17085	49.72
19	5456	1329	656	7441	1512	149	987	3260	2818	-393	-349	12585	2822	15407	2270	17677	49.70
20	5503	775	661	6939	1519	161	1005	3148	2552	-120	-135	12094	1713	13807	2203	16010	49.79
21	5490	228	665	6383	1523	204	945	3237	3112	-174	-114	12080	157	12237	2128	14365	49.80
22	5539	158	672	6369	1535	225	876	3059	2860	-272	-212	11680	157	11837	1946	13783	49.96
23	5262	180	676	6118	1536	215	863	2928	2532	-298	-231	11033	0	11033	1809	12842	49.96
24	4902	180	668	5750	1495	206	827	2702	1946	-202	-141	10083	0	10083	1599	11682	50.09
MUs	134.16	14.87	15.96	164.99	34.34	5.57	21.95	68.50	55.71	-4.38	-2.60	280.58	24.71	305.28	43.24	348.52	49.90

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 for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 03/Jan/2011

Position as on 6.30 Hrs of 04/Jan/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	01/01/2011
Cent_Sect NTPC(K-6)	500	02/12/2010	7:44		Continued.	Annual Overhaul	03/01/2011
Parli Unit 2	30	11/12/2010	23.51		Continued.	Annual Overhaul.	
Koyna Unit 9	80	22/12/2010	07.40		Continued.	Annual overhaul.	05/01/2011
Koradi Unit 6	210	26/12/2010	09.23		Continued.	Annual Overhaul.	27/01/2011
Khaparkheda Unit 4	210	03/01/2011	15.26		Continued.	Capital Overhaul.	07/02/2011
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	
Parli Unit 1	30	15/12/2010	04.31		Continued.	W/Dn.	
Bhusawal Unit 1	58	15/12/2010	10.40		Continued.	Coal Mill problem.	
Dabhol 1B	230	01/01/2011	04.21	03/01/2011	12.50	High exhaust temp.	
Koradi Unit 2	105	03/01/2011	09.15		Continued.	Boiler Tube Leakage.	06/01/2011
Dabhol 2A	230	03/01/2011	10.18		Continued.	Tripped on Boiler Protection.	
Bhusawal Unit 2	210	03/01/2011	10.25		Continued.	Boiler Tube Leakage.	06/01/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jan/2011

Position as on 6.30 Hrs of 04/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	24/12/2010	23.44		Continued.	Over Voltage.
Kolhapur - Mapusa - I	30/12/2010	22.48		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	01/01/2011	22.37		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	02/01/2011	23.17	03/01/2011	10.08	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	03/01/2011	15.29		Continued.	Main Bkr Trip Ckt Faulty.Ckt is on TBC.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Lonikand -I	20/12/2010	10.57	03/01/2011	11.40	Overhauling work.Line on TBC.
Koradi-Akola	03/01/2011	21.22	03/01/2011	21.34	Line Reactor 50 MVAR Oil Filtration Work.Reactor Bypassed.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Mahape	27/11/2010	15.17		Continued.	Stringing Work of Mumbai System.
220/100KV 125 MVA ICT-III @ Kalwa	14/12/2010	08.39		Continued.	For Augumentation from 125MVA to 200MVA.
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(Six Month Outage.)Up to 09.05.2011.
220/132 KV 150MVA ICT-II @ Dhule	21/12/2010	13.34		Continued.	Replacement by 200 MVA ICT UPTO 20.01.11
220 KV TBC At Warora	21/12/2010	14.40		Continued.	Bkr.Y-Ph pole mechanical problem.
220/132KV,100 MVA ICT-I At Peth	22/12/2010	08.00		Continued.	Oil replacement.
New parly-Nanded	23/12/2010	09.48		Continued.	Shifting work of PRL-Nanded in U-8 area.
Parly - New Parly TPS - II	23/12/2010	09.48		Continued.	Shifting work of PRL-Nanded in U-8 area.
220/132 KV 100 MVA ICT-II @ Babaleshwar	25/12/2010	12:15		Continued.	Augmentation by 200MVA ICT
220/132 KV 100 MVA ICT-II @ Bhusawal	02/01/2011	08.58		Continued.	Replacement of 100 MVA By 200 MVA ICT(Upto 23.01.2011).
Padgha-Jambhul	03/01/2011	14.52	03/01/2011	16.41	Testing Work.
220/66KV 50 MVA ICT- II @ Warora	03/01/2011	15.20	03/01/2011	16.05	Diff Relay Testing Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Dhule-Dondaicha - I	30/12/2010	13.25	03/01/2011	19.10	Replacement of Line Isolator,Line H/T From Dhule End.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa-Mulund-I	03/01/2011	07.45	03/01/2011	11.08	To Attend Red Hot Spot on R Ph C T Side Jumper.
Pedambe-Kharepatan	03/01/2011	07.50	03/01/2011	17.35	Red Hot @ B Ph Isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/11.5KV 90 MVA STN T/F- V @ 400 KV Chandrapur	12/12/2010	08.00		Continued.	To Attend Oil Leakage
Karad - Kolhapur - I	02/01/2011	22.19	03/01/2011	06.57	Over Voltage.
Lonikand- Koyna Stage IV	02/01/2011	23.45	03/01/2011	06.36	Over Voltage.
Bhusawal- Aurangabad	03/01/2011	00.58	03/01/2011	06.12	Over Voltage.
Karad-Lamboti	03/01/2011	01.03	03/01/2011	05.43	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jan/2011

Position as on 6.30 Hrs of 04/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	03/01/2011	22.01		Continued.	Over Voltage.
Bhusawal- Aurangabad	03/01/2011	22.12	03/01/2011	05.46	Over Voltage.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	31/12/2010	18.12		Continued.	H/T from Kalwa end
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE - II	03/01/2011	18.08	03/01/2011	20.06	Converter Transformer Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
220KV Beed - 132KV Beed	03/01/2011	17.57	03/01/2011	18.05	Due to Overloading 560 A Load.
Uran-Kharghar-II	03/01/2011	21.31	03/01/2011	22.06	Distance Protection, R Ph Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Jan/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	72
Unit 2	105	0
Unit 3	105	75
Unit 4	105	70
Unit 5	200	145
Unit 6	210	0
Unit 7	210	175
	1040	537
Bhusawal		
Unit 1	58	0
Unit 2	210	0
Unit 3	210	179
	478	179
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	170
Unit 4	210	185
Unit 5	210	200
Unit 6	250	205
Unit 7	250	170
	1190	930
Chandrapur		
Unit 1	210	165
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	250
Unit 6	500	250
Unit 7	500	300
	2340	1515
Paras		
Unit 2	55	0
Unit 3	250	210
Unit 4	250	210
	555	420
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	205
Unit 4	210	0
	840	625
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	195
Unit 4	210	195
Unit 5	210	190
	870	780
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	650

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	650
Hydro		
KDPH	40	18
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	251
PENCH (MS)		
Pench (MS)	53	
	53	
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		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1580
	960	1580
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3230
	3143	3230

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