



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Jan/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	136.008	265.771	1) Madhya Pradesh	33.953	69.930
2) Hydro	7.802	16.591	2) Gujrat	19.123	40.023
3) Gas	15.956	32.226	3) Goa	-5.283	-11.178
Total MSGENCO	159.766	314.588	4) TAPS 1&2 (Inj.)	7.936	15.713
B) OTHERS			5) Pench (Excess)	-0.409	-0.878
1) RGPPL Gas	34.337	65.826	# Total Cent. Sector	55.320	113.610
2) Wind Generation	4.291	9.527	F) Other Exchanges		
3) CPP / IPP	21.882	44.668	1) With TPCL (Excess)	-0.511	-1.281
4) PENCH (MS)	0.409	0.878	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	22.598	33.730
1) TPCL Thermal	20.296	42.930	Include PX	0.000	0.000
2) TPCL Hydro	0.802	2.249	2) MUMBAI Bilateral	2.887	4.802
TOTAL TPCL	21.098	45.179	Include PX	-0.484	-1.321
3) REL Thermal	12.692	25.389	3) MUMBAI Schedule	2.887	4.802
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	168.996	334.090	1) MSEDCL	275.494	547.816
2) Hydro (A2+B3+C2)	9.013	19.718	2) TPCL	22.890	48.253
3) Gas (A3+B1)	50.293	98.052	3) REL	11.409	23.593
4) Wind (B2)	4.291	9.527	TOTAL STATE	309.793	619.662
5) CPP (B3)	21.882	44.668			
TOTAL STATE	254.475	506.055			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5955	6036	4866
MSGENCO Hydro	587	336	160
MSGENCO Gas	649	664	675
MSGENCO Total Generation	7191	7036	5701
Central Sector Receipt	2783	2595	1070
RGPPL	1509	1394	1379
WIND	160	85	297
CPP / IPP	946	946	834
Exchange with Mumbai	-91	-306	159
MSEDCL DEMAND MET	12548	11799	9440
Load Shedding	1759	3550	0
MSEDCL DEMAND (INCL. LS)	14307	15349	9440
TPCL GENERATION	1028	946	774
REL GENERATION	529	529	530
TPCL+REL DEMAND	1648	1781	1145
STATE DEMAND MET	14196	13580	10585
STATE DEMAND (INCL. LS)	15955	17130	10585
Frequency (Hz)	49.92	49.88	50.37
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2875 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			21.41 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.58 Hz at 02.11 Hrs	49.4 Hz at 08.57 Hrs	50.02	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 02/Jan/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.74	3.47	79	66	75
Unit 2	1.78	3.51	82	66	75
Unit 3	1.76	3.43	85	63	70
Unit 4	0.95	0.95	77	0	0
Unit 5	3.65	7.33	160	140	160
Unit 6	0.00	0.00	0	0	0
Unit 7	3.98	7.90	190	130	180
	13.87	26.59			560
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.23	8.42	195	155	200
Unit 3	4.31	8.92	200	155	200
	8.54	17.34			400
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.98	7.90	175	158	170
Unit 4	4.29	8.63	197	149	195
Unit 5	4.40	8.96	203	163	195
Unit 6	4.91	10.04	235	163	210
Unit 7	5.06	8.77	246	150	250
	22.64	44.30			1020
Chandrapur					
Unit 1	3.44	7.10	160	126	160
Unit 2	3.46	6.92	156	125	150
Unit 3	4.40	8.87	200	155	205
Unit 4	4.28	8.51	194	160	195
Unit 5	11.30	21.74	500	350	480
Unit 6	10.56	20.00	475	370	470
Unit 7	9.46	19.04	447	322	450
	46.90	92.17			2110
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.71	9.48	245	155	210
Unit 4	4.52	9.65	249	138	240
	9.23	19.13			450
Khaparkheda					
Unit 1	4.62	9.36	210	170	210
Unit 2	4.62	9.33	205	175	210
Unit 3	4.82	9.66	210	180	205
Unit 4	4.73	9.42	211	170	200
	18.79	37.78			825
Nasik					
Unit 1	2.03	4.05	94	69	95
Unit 2	2.18	3.71	98	80	98
Unit 3	4.41	8.88	200	165	172
Unit 4	3.07	3.07	191	0	100
Unit 5	4.35	8.76	195	164	172
	16.04	28.46			637
Koyna					
Stage 1-2	1.68	3.74	265	35	600
Stage 4	0.83	1.65	367	0	250
Stage 3	0.25	1.17	122	0	240
	2.77	6.56			1090
Kovna 12&4 Total	2.52	5.39			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.96	32.23	687	634	650
		15.96	32.23			650
Hydro						
KDPH		0.46	0.93	20	19	20
VTRNA		1.20	2.66	61	0	60
TILLARI		0.38	0.76	60	0	60
BHTGR/VEER		0.52	1.05	22	21	22
BHIRA T.R.		0.10	0.20	40	0	80
RNGR+BHTSA		0.38	0.77	17	16	16
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.97	1.81	50	37	0
GHATGHAR		1.01	1.84	250	0	0
		5.03	10.03			258
PENCH (MS)						
Pench (MS)		0.41	0.88	53	0	0
		0.41	0.88			0
Wind						
MalharPeth		0.16	0.38			
Vankuswadi		0.53	0.89			
ATIT		0.05	0.12			
Kale		0.17	0.28			
Satara		0.12	0.38			
Shirala		0.17	0.34			
K Mahankal		0.61	0.81			
Supa		0.10	0.33			
Vita		0.79	1.90			
Dondaicha		0.64	1.64			
Sakri		0.16	0.47			
Nandurbar		0.06	0.16			
Khandke		0.48	1.28			
Khaparale		0.24	0.54			
		4.29	9.53			
CPP						
TOTAL CPP		21.88	44.67			
		21.88	44.67			
Dabhol						
RGPPL		34.34	65.83	1509	1379	1580
		34.34	65.83			1580
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		6.78	15.94	340	275	490
Trombay 6		3.60	7.20	150	150	500
Trombay 7A		3.03	6.04	129	124	120
Trombay 7B		1.65	3.28	69	68	60
Trombay 8		5.24	10.47	252	150	250
TATA Hydro		0.80	2.25	105	0	447
		21.10	45.18			1867
REL						
1&2		12.69	25.39	530	527	500
		12.69	25.39			500
Cent Sect						
Share						3112
						3112
MS PG CL	Thermal	136.01	265.77			6002
	Thml+Gas	151.96	298.00			6652
	Hydro	7.80	16.59			1348
	Total	159.77	314.59			8000
State Total		254.48	506.06			15059

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	4935	195	675	5805	1383	296	836	2280	1249	-20	48	9617	0	9617	1265	10882	50.18
2	4866	160	675	5701	1379	297	834	1937	1070	-20	159	9440	0	9440	1145	10585	50.37
3	4839	134	676	5649	1379	283	844	1924	1349	5	230	9734	0	9734	1074	10808	50.37
4	4874	139	674	5687	1379	293	845	1804	1369	5	254	9827	0	9827	1050	10877	50.28
5	5327	134	676	6137	1379	287	839	1935	1820	5	251	10713	0	10713	1053	11766	50.06
6	5738	144	674	6556	1379	262	885	2661	1130	5	170	10382	0	10382	1133	11515	50.11
7	5807	205	687	6699	1379	222	945	2902	1960	5	153	11358	0	11358	1207	12565	50.00
8	5928	200	686	6814	1379	223	960	2936	2653	5	114	12143	353	12496	1266	13762	49.91
9	5989	287	672	6948	1379	222	957	2940	2658	-53	90	12277	1333	13610	1383	14993	49.85
10	5876	881	670	7427	1508	168	958	3162	2656	-103	-50	12717	1290	14007	1521	15528	49.83
11	5910	333	655	6898	1508	165	959	3361	2726	-160	-125	12181	1705	13886	1632	15518	49.78
12	5955	587	649	7191	1509	160	946	3251	2783	-38	-91	12548	1759	14307	1648	15955	49.92
13	5887	516	638	7041	1506	82	951	3435	2819	-233	-98	12354	1780	14134	1605	15739	49.95
14	5943	445	636	7024	1496	80	947	3340	2832	-133	-15	12364	1802	14166	1513	15679	50.05
15	5899	347	634	6880	1490	42	962	3206	2847	-133	14	12235	1824	14059	1483	15542	49.92
16	5903	305	635	6843	1493	40	942	3059	3074	-133	-41	12351	1835	14186	1438	15624	49.95
17	5908	251	645	6804	1498	29	953	3059	3176	-133	-40	12420	1808	14228	1436	15664	49.98
18	5981	714	657	7352	1499	46	945	3060	2991	-133	-87	12746	1810	14556	1495	16051	49.95
19	6037	632	655	7324	1493	64	955	3214	2738	-336	-271	12330	3023	15353	1701	17054	49.87
20	6036	336	664	7036	1394	85	946	3270	2595	-254	-306	11799	3550	15349	1781	17130	49.88
21	5878	260	675	6813	1380	135	894	3387	2562	-336	-325	11508	1145	12653	1724	14377	49.96
22	5524	209	681	6414	1381	229	884	3077	2661	-336	-286	11309	0	11309	1686	12995	50.04
23	5520	199	682	6401	1382	275	861	2518	2121	-241	-189	10877	0	10877	1590	12467	50.02
24	5445	189	685	6319	1385	305	834	2166	1486	-120	-70	10265	0	10265	1472	11737	50.14
MUs	136.0 0	7.80	15.96	159.76	34.34	4.29	21.88	67.88	55.32	-2.89	-0.51	275.50	25.02	300.51	34.30	334.81	50.02

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 02/Jan/2011

Position as on 6.30 Hrs of 03/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
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.	
Nasik Unit 4	210	30/12/2010	20.00	02/01/2011	03.35	Boiler Tube Leakage	
Koradi Unit 4	115	31/12/2010	07.40	02/01/2011	08.37	Boiler Tube Leakage	
Dabhol 1B	230	01/01/2011	04.21		Continued.	High exhaust temp.	
Cent_Sect NTPC(V) 9	500	02/01/2011	02.50	02/01/2011	07.13	Turbine Tripped	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2011

Position as on 6.30 Hrs of 03/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Taps 1,2--Taps 3&4 Tie Line	02/01/2011	09.03	02/01/2011	14.28	Bus Outage Works.
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 - S'Sarovar- II	31/12/2010	23.30	02/01/2011	05.55	Over Voltage
Dhule-Sar'Sarovar - I	01/01/2011	22.37		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	02/01/2011	23.17		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	02/01/2011	14.02	02/01/2011	14.25	Pole Discrepancy.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Lonikand -I	20/12/2010	10.57		Continued.	Overhauling work.Line on TBC.
400/220 KV 300 MVA ICT-I @ Koradi	28/12/2010	09.21		Continued.	Filteration of oil.
400/220KV,500MVA ICT-III At Kalwa.	01/01/2011	12.08	02/01/2011	12.54	To attend Gas Leakage of Breaker(Taken on TBC from LV side)
400/220 KV 300 MVA ICT-I @ Koradi	02/01/2011	09.21	02/01/2011	18.25	Replacement of Oil in R Ph Unit.
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
Main Bus-II At 220 KV BBLSR	28/12/2010	12.46		Continued.	PT replacement under LES
Trombay-Salset-II	02/01/2011	07.00	02/01/2011	16.52	To Provide 3rd Feed to Dharavi S/S.
Dharavi - Trombay - 5	02/01/2011	07.00	02/01/2011	14.52	To Provide 3rd Feed to Dharavi S/S.
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).
Pirangut - Kandalgaon	02/01/2011	09.20	02/01/2011	15.31	Replacement of W/T & C C Replacement @ Kandalgaon.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Dhule-Dondaicha - I	30/12/2010	13.25		Continued.	Replacement of Line Isolator
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Wardha--Dhamangaon	31/12/2010	19.24	02/01/2011	14.59	Main Ckt.BKR Compressor Belt Prob.(Ckt on TBC)

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2011

Position as on 6.30 Hrs of 03/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Trombay-Mulund	02/01/2011	17.08	02/01/2011	17.18	Crossing for Container.
Trombay-Kalwa	02/01/2011	17.10	02/01/2011	17.19	Crossing for Container.
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
Bhusawal- Aurangabad	01/01/2011	20.30	02/01/2011	05.39	Over Voltage
Karad - Kolhapur - II	01/01/2011	22.18	02/01/2011	07.21	Over Voltage
Lonikand- Koyna Stage IV	01/01/2011	23.30	02/01/2011	06.40	Over Voltage
Karad-Lamboti	02/01/2011	00.31	02/01/2011	04.23	Over Voltage
Karad - Kolhapur - I	02/01/2011	22.19		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	02/01/2011	23.45		Continued.	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.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Buldana-Motala	02/01/2011	09.45	02/01/2011	16.18	To Chikali ICT Loading.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	31/12/2010	18.12		Continued.	H/T from Kalwa end
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Akola	02/01/2011	17.25	02/01/2011	17.47	Distance Protection Operated Zone-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Jan/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	75
Unit 3	105	80
Unit 4	105	70
Unit 5	200	155
Unit 6	210	0
Unit 7	210	180
	1040	635
Bhusawal		
Unit 1	58	0
Unit 2	210	200
Unit 3	210	200
	478	400
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	175
Unit 4	210	195
Unit 5	210	205
Unit 6	250	205
Unit 7	250	240
	1190	1020
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	195
Unit 4	210	200
Unit 5	500	500
Unit 6	500	470
Unit 7	500	350
	2340	2025
Paras		
Unit 2	55	0
Unit 3	250	230
Unit 4	250	200
	555	430
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	205
Unit 4	210	200
	840	825
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	200
Unit 4	210	190
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	22
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	267
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1590
	960	1590
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	3278
	3143	3278

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