



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Dec/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.475	3297.999	1) Madhya Pradesh	35.056	1233.344
2) Hydro	8.769	190.525	2) Gujrat	24.627	448.229
3) Gas	16.248	405.600	3) Goa	-5.075	-159.186
Total MSGENCO	155.492	3894.124	4) TAPS 1&2 (Inj.)	7.873	201.680
B) OTHERS			5) Pench (Excess)	-0.155	-4.862
1) RGPPL Gas	32.246	892.320	# Total Cent. Sector	62.326	1719.205
2) Wind Generation	2.449	92.273	F) Other Exchanges		
3) CPP / IPP	18.017	347.062	1) With TPCL (Excess)	-0.282	-189.290
4) PENCH (MS)	0.155	4.862	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.385	92.167
1) TPCL Thermal	22.220	609.286	Include PX	0.000	0.000
2) TPCL Hydro	0.354	82.153	2) MUMBAI Bilateral	-0.573	201.174
TOTAL TPCL	22.574	691.439	Include PX	-1.438	51.118
3) REL Thermal	12.699	273.422	3) MUMBAI Schedule	-0.573	201.174
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	165.394	4180.707	1) MSEDCL	270.403	6760.556
2) Hydro (A2+B3+C2)	9.278	277.540	2) TPCL	23.122	786.518
3) Gas (A3+B1)	48.494	1297.920	3) REL	11.870	366.581
4) Wind (B2)	2.449	92.273	TOTAL STATE	305.395	7913.655
5) CPP (B3)	18.017	347.062			
TOTAL STATE	243.632	6195.502			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5472	5694	4912
MSGENCO Hydro	490	464	168
MSGENCO Gas	670	661	692
MSGENCO Total Generation	6632	6819	5772
Central Sector Receipt	2773	3198	1652
RGPPL	1421	1190	1463
WIND	92	60	104
CPP / IPP	798	802	653
Exchange with Mumbai	31	-334	116
MSEDCL DEMAND MET	11747	11748	9760
Load Shedding	3602	4141	0
MSEDCL DEMAND (INCL. LS)	15349	15889	9760
TPCL GENERATION	1159	943	766
REL GENERATION	528	529	530
TPCL+REL DEMAND	1656	1806	1180
STATE DEMAND MET	13403	13554	10940
STATE DEMAND (INCL. LS)	17005	17695	10940
Frequency (Hz)	49.74	49.90	50.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4285 MW AT 19.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			51.03 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.6 Hz at 03.02 Hrs	49.21 Hz at 09.11 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 26/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.69	38.94	80	62	70
Unit 2	1.68	37.85	77	60	70
Unit 3	1.78	28.25	90	64	65
Unit 4	1.75	17.43	82	61	65
Unit 5	3.62	67.55	165	136	140
Unit 6	1.16	81.37	142	0	130
Unit 7	3.47	89.46	180	0	160
	15.14	360.84			700
Bhusawal					
Unit 1	0.00	13.79	0	0	0
Unit 2	4.26	99.39	195	160	179
Unit 3	4.44	114.11	200	170	179
	8.70	227.29			358
Parli					
Unit 1	0.00	7.29	0	0	0
Unit 2	0.00	5.46	0	0	0
Unit 3	4.03	104.03	189	155	175
Unit 4	4.15	109.88	192	149	170
Unit 5	4.12	10.66	200	158	170
Unit 6	3.99	124.98	218	151	165
Unit 7	3.93	130.73	195	139	210
	20.22	493.02			890
Chandrapur					
Unit 1	3.74	95.11	195	135	160
Unit 2	3.64	93.19	160	138	160
Unit 3	4.65	118.84	204	168	205
Unit 4	4.44	115.21	200	160	195
Unit 5	11.22	274.84	505	365	475
Unit 6	10.85	262.62	490	355	450
Unit 7	11.23	233.29	495	375	470
	49.76	1193.11			2115
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.88	123.52	228	155	230
Unit 4	4.80	120.96	230	161	230
	9.68	244.48			460
Khaparkheda					
Unit 1	0.00	116.98	0	0	0
Unit 2	4.75	110.54	210	177	210
Unit 3	4.84	116.03	209	183	200
Unit 4	4.41	99.35	188	176	180
	13.99	442.90			590
Nasik					
Unit 1	2.08	27.53	95	79	93
Unit 2	1.83	4.50	95	40	55
Unit 3	0.00	92.82	0	0	0
Unit 4	4.61	114.14	210	165	200
Unit 5	4.47	97.37	205	165	194
	12.98	336.36			542
Koyna					
Stage 1-2	2.92	59.60	325	40	600
Stage 4	0.00	17.06	0	0	0
Stage 3	0.58	17.54	92	0	240
	3.50	94.20			840
Kovna 12&4 Total	2.92	76.66			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.25	405.60	696	650	660
		16.25	405.60			660
Hydro						
KDPH		0.46	5.52	20	19	20
VTRNA		1.46	6.65	61	60	61
TILLARI		0.38	9.77	60	0	60
BHTGR/VEER		0.14	3.31	6	5	6
BHIRA T.R.		0.16	4.91	79	0	80
RNGR+BHTSA		0.38	10.42	16	15	16
BHANDARDRA		0.00	0.93	0	0	0
ELDARY		0.00	3.42	0	0	0
SMLHY PTN		0.75	21.28	39	28	11
GHATGHAR		1.54	30.12	250	0	0
		5.27	96.33			254
PENCH (MS)						
Pench (MS)		0.16	4.86	26	0	
		0.16	4.86			
Wind						
MalharPeth		0.04	4.06			
Vankuswadi		0.24	11.29			
ATIT		0.02	2.36			
Kale		0.04	4.08			
Satara		0.04	5.93			
Shirala		0.05	4.42			
K Mahankal		0.29	7.80			
Supa		0.05	2.24			
Vita		0.84	20.95			
Dondaicha		0.45	15.82			
Sakri		0.03	2.56			
Nandurbar		0.08	1.62			
Khandke		0.24	5.65			
Khaparale		0.03	3.50			
		2.45	92.27			
CPP						
TOTAL CPP		18.02	347.06			
		18.02	347.06			
Dabhol						
RGPPL		32.25	892.32	1463	1182	1575
		32.25	892.32			1575
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		8.56	252.79	490	270	500
Trombay 6		3.60	102.58	150	150	500
Trombay 7A		3.00	77.28	128	122	120
Trombay 7B		1.64	40.63	69	68	60
Trombay 8		5.42	136.01	252	150	250
TATA Hydro		0.35	82.15	90	0	447
		22.57	691.44			1877
REL						
1&2		12.70	273.42	531	527	500
		12.70	273.42			500
Cent Sect						
Share						3224
						3224
MS PG CL	Thermal	130.48	3298.00			5655
	Thml+Gas	146.72	3703.60			6315
	Hydro	8.77	190.52			1094
	Total	155.49	3894.12			7409
State Total		243.63	6195.50			14585

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Dec/2010

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	5084	168	690	5942	1462	109	633	2049	1824	146	44	10014	0	10014	1249	11263	49.89
2	4912	168	692	5772	1463	104	653	1736	1652	146	116	9760	0	9760	1180	10940	50.04
3	5025	168	694	5887	1461	92	643	1669	1747	146	132	9962	0	9962	1163	11125	50.07
4	4982	174	694	5850	1461	132	648	1669	1962	146	146	10199	0	10199	1151	11350	50.32
5	5160	190	693	6043	1459	143	650	2012	2058	146	150	10503	0	10503	1150	11653	50.02
6	5527	270	696	6493	1459	151	634	2172	2371	146	130	11238	0	11238	1226	12464	49.99
7	5687	215	694	6596	1457	171	729	2481	2586	348	258	11797	757	12554	1290	13844	50.00
8	5607	410	692	6709	1456	161	776	2530	2543	350	254	11899	2043	13942	1301	15243	49.81
9	5629	489	691	6809	1456	131	781	2524	2429	345	247	11853	2933	14786	1435	16221	49.77
10	5519	743	687	6949	1420	144	780	2824	2877	166	151	12321	3089	15410	1541	16951	49.74
11	5472	490	670	6632	1421	92	798	2956	2773	78	31	11747	3602	15349	1656	17005	49.74
12	5294	527	669	6490	1419	84	808	2955	2968	78	16	11785	3407	15192	1686	16878	49.86
13	5340	554	656	6550	1400	43	824	3117	3010	-93	-125	11715	3485	15200	1665	16865	49.71
14	5358	585	652	6595	1380	35	840	3088	3082	-64	-90	11861	3399	15260	1600	16860	49.85
15	5425	556	656	6637	1274	33	838	3045	3133	-64	-89	11831	3368	15199	1529	16728	49.94
16	5522	515	650	6687	1240	55	832	2892	2805	-64	-92	11527	3305	14832	1512	16344	49.72
17	5621	450	660	6731	1182	52	844	2881	3255	-64	-96	11968	3085	15053	1487	16540	49.91
18	5660	573	664	6897	1187	62	843	2883	3025	-64	-103	11911	3357	15268	1533	16801	49.85
19	5694	464	661	6819	1190	60	802	3064	3198	-300	-334	11748	4141	15889	1806	17695	49.90
20	5693	264	662	6619	1192	66	794	3067	2855	-163	-256	11296	4169	15465	1847	17312	49.88
21	5715	247	669	6631	1197	104	771	3243	2863	-280	-276	11316	3342	14658	1748	16406	49.89
22	5738	194	682	6614	1203	147	755	2963	2571	-267	-254	11062	1562	12624	1706	14330	50.14
23	5464	175	686	6325	1201	153	680	2708	2663	-163	-162	10880	0	10880	1611	12491	49.95
24	5348	180	688	6216	1206	124	661	2158	2080	-84	-80	10214	0	10214	1483	11697	50.13
MUs	130.48	8.77	16.25	155.49	32.25	2.45	18.02	62.69	62.33	0.57	-0.28	270.41	49.04	319.45	35.56	355.01	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 for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 26/Dec/2010

Position as on 6.30 Hrs of 27/Dec/2010

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)	30/12/2010
Cent_Sect NTPC(K-6)	500	02/12/2010	7:44		Continued.	Annual Overhaul	31/12/2010
Parli Unit 2	30	11/12/2010	23.51		Continued.	Annual Overhaul.	
Koyna ST-IV 1	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST - IV 4	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST-IV 2	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST - IV 3	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
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 3	210	24/12/2010	02.20		Continued.	Boiler Tube Leakage.	27/12/2010
Dabhol 1A	230	24/12/2010	13.09	27/12/2010	01.21	Less Fuel Gas Availability.	
Khaparkheda Unit 1	210	25/12/2010	21.56		Continued.	Boiler Tube Leakage.	28/12/2010
Koradi Unit 7	210	26/12/2010	10.39	26/12/2010	13.55	Flame Failure.	
Dabhol 3A	230	26/12/2010	15.39		Continued.	Stopped Due to Gas Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Dec/2010

Position as on 6.30 Hrs of 27/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	22/12/2010	18.05		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	24/12/2010	22.31	26/12/2010	09.25	Over Voltage.
Akola - Wardha - II	24/12/2010	23.44		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	25/12/2010	23.16		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	26/12/2010	22.57		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
50 MVAR 400KV Bus Reactor At 400KV Korady	20/12/2010	10.35		Continued.	Oil replacement and filtration of oil.
Parli-Lonikand -I	20/12/2010	10.57		Continued.	Overhauling work.Line on TBC.
Karad-Lamboti	22/12/2010	11.41		Continued.	Servicing O/H CB at Lamboti end.Line on TBC.
Babaleshwar - Dhule - I	25/12/2010	09.25	26/12/2010	05.25	Y Ph L A Replacement.
Kalwa - Padgha - II	26/12/2010	09.02	26/12/2010	20.06	Replacement of Faulty Disc Insulator.
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 (4 days outage.Outage up to 27.12.2010)
220/100 KV ICT-3 at Borivali	24/12/2010	00.14		Continued.	Augmentation Work by 200 MVA.
Kandalgaon - Pirangut	26/12/2010	07.21	26/12/2010	18.08	Stringing of Earthwire.
Kandalgaon - Pophali	26/12/2010	11.20	26/12/2010	18.00	Replacement of Insulator String.
Trombay-Salset-II	26/12/2010	11.38	26/12/2010	11.42	Work of Providing 3rd Feed to 220KV Dharavi S/S.
Borivali-Tata Borivali 4	27/12/2010	00.33	27/12/2010	04.02	Bus Outage.
Borivali-Tarapur	27/12/2010	00.38	27/12/2010	03.56	Bus Outage.
Borivali-Mulund	27/12/2010	00.40	27/12/2010	03.50	Bus Outage.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220/33KV,500 MVA ICT-I At Kalwa	21/12/2010	23.20		Continued.	Internal inspection, Gas R-Ph unit.
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	25/12/2010	22.47	26/12/2010	07.32	Over Voltage.
Lonikand- Koyna Stage IV	26/12/2010	00.10	26/12/2010	06.50	Over Voltage.
Bhusawal- Aurangabad	26/12/2010	00.57	26/12/2010	05.41	Over Voltage.
New Koyna - Koyna Stage	26/12/2010	01.13	26/12/2010	08.26	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Dec/2010

Position as on 6.30 Hrs of 27/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
IV - II					
Bhusawal- Aurangabad	26/12/2010	21.40	27/12/2010	05.22	Over Voltage.
Lonikand- Koyna Stage IV	26/12/2010	22.53		Continued.	Over Voltage.
Karad - Kolhapur - I	26/12/2010	23.27		Continued.	Over Voltage.
New Koyna - Koyna Stage IV - II	27/12/2010	00.34		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bhira - Dharavi - VIII	26/12/2010	14.21	26/12/2010	23.30	Work of 220KV Trombay-Salset-I Line.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/12/2010	16.30		Continued.	Hand Tripped,From Kalwa End.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33 KV 100 MVA ICT IV at Jamde	01/12/2010	12.42		Continued.	T/F Declared as Failed.
Ranjangaon- Fiat-I	25/12/2010	19.20	26/12/2010	12.22	With No Indication.(On TBC)
Trombay - Salsett - I	26/12/2010	11.38	26/12/2010	23.15	Out for Investigation of fault.
Bhira - Dharavi - VII	26/12/2010	11.38	26/12/2010	12.02	Alongwith Trombay-Salset-I Line.
Voltage Level : 132KV			Outage Type TRIPPED		
Yawat - Janai	26/12/2010	11.52	26/12/2010	11.57	R Ph to Earth.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	155
Unit 6	210	0
Unit 7	210	170
	1040	610
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	155
Unit 4	210	140
Unit 5	210	190
Unit 6	250	155
Unit 7	250	165
	1190	805
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	200
Unit 4	210	190
Unit 5	500	425
Unit 6	500	425
Unit 7	500	475
	2340	2015
Paras		
Unit 2	55	0
Unit 3	250	230
Unit 4	250	230
	555	460
Khaparkheda		
Unit 1	210	0
Unit 2	210	210
Unit 3	210	200
Unit 4	210	180
	840	590
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	0
Unit 4	210	192
Unit 5	210	172
	870	526
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	240
	1920	840
Uran		
All Units	852	660

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	660
Hydro		
KDPH	40	20
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	243
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	1576
	960	1576
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	3143	3266
	3143	3266

	17376	7 of 7	14368
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