



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Nov/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.121	2960.012	1) Madhya Pradesh	51.970	1431.757
2) Hydro	6.110	113.705	2) Gujrat	12.142	424.400
3) Gas	15.632	377.390	3) Goa	-6.499	-158.442
Total MSGENCO	142.863	3451.107	4) TAPS 1&2 (Inj.)	6.004	106.893
B) OTHERS			5) Pench (Excess)	-0.341	-8.137
1) RGPPL Gas	36.124	919.353	# Total Cent. Sector	63.276	1796.471
2) Wind Generation	1.365	106.735	F) Other Exchanges		
3) CPP / IPP	7.094	228.392	1) With TPCL (Excess)	-16.286	-296.142
4) PENCH (MS)	0.341	8.137	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.928	144.941
1) TPCL Thermal	26.875	668.592	Include PX	0.000	0.000
2) TPCL Hydro	2.910	79.318	2) MUMBAI Bilateral	16.929	317.687
TOTAL TPCL	29.785	747.910	Include PX	7.876	130.194
3) REL Thermal	6.300	293.280	3) MUMBAI Schedule	16.929	318.567
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	154.296	3921.884	1) MSEDCL	234.777	6214.053
2) Hydro (A2+B3+C2)	9.361	201.160	2) TPCL	36.294	894.759
3) Gas (A3+B1)	51.756	1296.743	3) REL	16.074	442.529
4) Wind (B2)	1.365	106.735	TOTAL STATE	287.145	7551.341
5) CPP (B3)	7.094	228.392			
TOTAL STATE	223.872	5754.914			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5073	5228	4827
MSGENCO Hydro	232	1143	74
MSGENCO Gas	642	644	665
MSGENCO Total Generation	5947	7015	5566
Central Sector Receipt	2713	3039	2214
RGPPL	1522	1526	1445
WIND	69	52	41
CPP / IPP	285	275	342
Exchange with TPCL	-817	-862	-368
MSEDCL DEMAND MET	9745	11071	9240
Load Shedding	1916	1872	661
MSEDCL DEMAND (INCL. LS)	11661	12943	9901
TPCL GENERATION	1646	1568	816
REL GENERATION	262	263	263
TPCL+REL DEMAND	2725	2693	1447
STATE DEMAND MET	12470	13764	10687
STATE DEMAND (INCL. LS)	14386	15636	11348
Frequency (Hz)	49.87	49.82	50.10
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2274 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			38.05 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.39 Hz at 23.44 Hrs	49.28 Hz at 17.41 Hrs	49.91	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/Nov/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	37.51	0	0	0
Unit 2	1.51	41.00	70	56	65
Unit 3	1.40	34.96	72	50	50
Unit 4	1.50	12.44	68	52	70
Unit 5	3.08	87.64	143	110	140
Unit 6	3.08	88.95	166	104	130
Unit 7	3.14	63.72	145	115	130
	13.72	366.22			585
Bhusawal					
Unit 1	0.76	13.59	50	14	22
Unit 2	4.03	69.98	180	140	160
Unit 3	4.42	105.27	195	160	175
	9.21	188.84			357
Parli					
Unit 1	0.49	12.52	22	13	19
Unit 2	0.49	11.68	23	6	19
Unit 3	3.94	81.34	180	135	172
Unit 4	4.10	99.58	180	158	175
Unit 5	0.00	53.45	0	0	0
Unit 6	4.42	102.69	230	157	160
Unit 7	4.31	106.92	223	152	190
	17.74	468.17			735
Chandrapur					
Unit 1	3.35	90.84	160	91	150
Unit 2	3.24	88.54	166	83	160
Unit 3	4.18	81.70	198	134	185
Unit 4	4.10	102.61	195	140	170
Unit 5	8.15	209.84	420	225	300
Unit 6	7.94	194.67	430	245	300
Unit 7	7.84	210.34	402	290	325
	38.80	978.54			1590
Paras					
Unit 2	0.00	9.87	0	0	0
Unit 3	4.96	85.76	223	178	210
Unit 4	3.52	113.06	210	102	140
	8.48	208.70			350
Khaparkheda					
Unit 1	4.84	119.64	210	185	210
Unit 2	4.76	71.97	207	193	210
Unit 3	4.62	111.43	203	162	200
Unit 4	4.27	105.32	181	172	180
	18.49	408.36			800
Nasik					
Unit 1	1.27	49.49	95	0	85
Unit 2	0.00	33.20	0	0	0
Unit 3	4.72	114.00	205	170	200
Unit 4	4.50	37.46	209	164	210
Unit 5	4.20	107.04	187	157	190
	14.68	341.19			685
Koyna					
Stage 1-2	2.40	38.70	315	35	520
Stage 4	0.61	5.48	254	0	250
Stage 3	0.62	10.93	160	0	320
	3.63	55.12			1090
Kovna 12&4 Total	3.00	44.19			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.63	377.39	667	632	640
		15.63	377.39			640
Hydro						
KDPH		0.00	0.87	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.38	10.23	60	0	60
BHTGR/VEER		0.17	2.14	7	6	7
BHIRA T.R.		0.23	5.40	66	0	80
RNGR+BHTSA		0.28	9.10	16	0	14
BHANDARDRA		0.00	1.19	0	0	0
ELDARY		0.36	4.84	16	14	13
SMLHY PTN		0.36	6.84	24	11	13
GHATGHAR		0.71	17.98	235	0	
		2.48	58.58			187
PENCH (MS)						
Pench (MS)		0.34	8.14	40	0	
		0.34	8.14			
Wind						
MalharPeth		0.08	4.18			
Vankuswadi		0.24	12.42			
ATIT		0.02	1.79			
Kale		0.07	4.28			
Satara		0.07	12.00			
Shirala		0.05	4.29			
K Mahankal		0.15	5.67			
Supa		0.05	2.43			
Vita		0.26	19.96			
Dondaicha		0.07	19.32			
Sakri		0.02	3.41			
Nandurbar		0.02	1.91			
Khandke		0.26	9.52			
Khaparale		0.02	5.56			
		1.36	106.74			
CPP						
TOTAL CPP		7.09	228.39			
		7.09	228.39			
Dabhol						
RGPPL		36.12	919.35	1549	1440	1559
		36.12	919.35			1559
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.93	283.12	490	350	500
Trombay 6		6.70	136.94	430	150	500
Trombay 7A		2.91	74.48	125	115	120
Trombay 7B		0.92	38.65	41	37	40
Trombay 8		5.41	135.41	251	150	250
TATA Hydro		2.91	79.32	381	0	447
		29.78	747.91			1857
REL						
1&2		6.30	293.28	264	260	250
		6.30	293.28			250
Cent Sect						
Share						3427
						3427
MS PG CL	Thermal	121.12	2960.01			5102
	Thml+Gas	136.75	3337.40			5742
	Hydro	6.11	113.70			1277
	Total	142.86	3451.11			7019
State Total		223.87	5754.91			14111

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Nov/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4738	83	666	5487	1441	43	344	2074	2322	-568	-537	9100	1018	10118	1726	11844	49.91
2	4793	73	667	5533	1443	39	349	1816	1886	-474	-440	8810	1449	10259	1590	11849	50.01
3	4765	74	666	5505	1445	43	354	1901	2092	-428	-394	9045	991	10036	1502	11538	50.14
4	4827	74	665	5566	1445	41	342	2154	2214	-406	-368	9240	661	9901	1447	11348	50.10
5	4840	114	665	5619	1440	38	345	2147	2313	-382	-368	9387	688	10075	1444	11519	49.96
6	4906	274	665	5845	1440	44	327	2062	2482	-406	-391	9747	862	10609	1486	12095	49.88
7	4972	356	666	5994	1492	77	332	2590	2626	-475	-469	10058	1251	11309	1696	13005	49.84
8	4950	100	665	5715	1549	108	344	2575	2462	-521	-519	9679	1566	11245	1799	13044	49.94
9	5024	100	662	5786	1543	111	338	2567	2478	-615	-619	9644	1682	11326	2032	13358	49.89
10	4992	166	649	5807	1510	83	336	2666	2609	-716	-712	9633	1695	11328	2394	13722	49.78
11	5165	207	644	6016	1526	66	350	2716	2229	-807	-805	9399	1816	11215	2634	13849	49.44
12	5073	232	642	5947	1522	69	285	2576	2713	-845	-817	9745	1916	11661	2725	14386	49.87
13	4991	161	640	5792	1520	60	209	2790	2677	-878	-845	9450	1934	11384	2730	14114	49.94
14	5109	110	633	5852	1525	48	214	2883	2960	-878	-843	9796	1873	11669	2629	14298	50.02
15	5181	90	635	5906	1513	57	208	3035	2591	-878	-855	9427	1611	11038	2641	13679	49.86
16	5248	100	632	5980	1520	29	198	3102	2941	-892	-875	9793	1295	11088	2656	13744	49.96
17	5233	140	640	6013	1522	42	191	2982	3271	-854	-826	10213	1523	11736	2611	14347	49.92
18	5319	442	641	6402	1517	46	206	3095	2999	-854	-805	10390	1365	11755	2575	14330	49.74
19	5228	1143	644	7015	1526	52	275	3166	3039	-878	-862	11071	1872	12943	2693	15636	49.82
20	5154	1002	644	6800	1532	47	344	3244	3027	-902	-873	10903	2077	12980	2632	15612	49.92
21	5208	572	644	6424	1530	55	233	3168	3219	-878	-831	10656	1984	12640	2428	15068	49.88
22	5160	323	650	6133	1534	61	231	3151	3127	-830	-784	10328	1901	12229	2235	14464	49.96
23	5111	92	654	5857	1541	58	364	2549	2852	-854	-801	9897	1653	11550	2121	13671	50.02
24	5134	82	653	5869	1548	59	375	2249	2149	-710	-647	9379	1643	11022	1945	12967	50.15
MUs	121.1 2	6.11	15.63	142.86	36.12	1.38	7.09	63.26	63.28	-16.93	-16.29	234.79	36.33	271.12	52.37	323.49	49.91

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL 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/Nov/2010

Position as on 6.30 Hrs of 27/Nov/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
Parli Unit 5	210	19/11/2010	01.05		Continued.	Annual Overhaul	20/12/2010
Cent_Sect NTPC(V-3)	210	23/11/2010	00.20		Continued.	Annual overhaul.	05/12/2010
Nasik Unit 2	125	23/11/2010	00.40		Continued.	Annual Overhaul.	30/12/2010
REL 1	250	24/11/2010	03.55		Continued.	Annual overhaul	18/12/2010
Koyna Unit 7	80	25/11/2010	07.05		Continued.	Turbine Guide Bearing repl.work	28/11/2010
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.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/11/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	26/11/2010
Parli Unit 2	30	25/11/2010	08.02	26/11/2010	00.40	Flame Failure	
Koradi Unit 1	105	25/11/2010	12.46		Continued.	Boiler Feed Pump problem	
CPP JSW_JAIGAD	300	25/11/2010	21.35		Continued.	Boiler Tube Leakage.	29/11/2010
Cent_Sect NTPC(K-5)	500	26/11/2010	16.33		Continued.	Boiler Tube Leakage.	29/11/2010
Nasik Unit 1	125	26/11/2010	17.50		Continued.	Trouble Shooting.	27/11/2010
Parli Unit 6	250	27/11/2010	02.55		Continued.	Furnace Pressure High.	27/11/2010

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

Position as on 6.30 Hrs of 27/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	22/10/2010	14.43		Continued.	Changeover.
Akola - Wardha - I	11/11/2010	23.47		Continued.	Over Voltage.
Kolhapur - Mapusa - I	24/11/2010	22.32		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	25/11/2010	01.38		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrpur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
400/220 KV 315MVA ICT-II @ Karad	23/11/2010	10.43	26/11/2010	19.47	Dismantling of existing old 220KV CB.
Main Bus- II @ Kalwa	26/11/2010	08.30	26/11/2010	12.35	Red Hot on M B-II in ICT-III Bay.
Koradi - Bhusawal	26/11/2010	08.32	26/11/2010	18.47	R Ph L A Replacement of Line & Reactor,R.M.
400 KV TBC @ Koradi	26/11/2010	09.25	26/11/2010	18.02	Quarterly Maintainance Work.
315 MVA ICT-I @ Lonikand	26/11/2010	10.44	26/11/2010	13.50	Oil Leakage on 220KV Side B Ph C T.
400/220 KV 315 MVA ICT - II @ Lamboti	26/11/2010	11.50	26/11/2010	18.02	Alignment on 29 T Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
Tifil-Trombay	08/10/2010	10.18	26/11/2010	17.40	Erection & Stringing of M/C Towers (Loc.22-40) & Dismantling of Old Towers upto 6.11.2010.
220/132KV 100MVA ICT-II @ Chalisgaon	08/11/2010	11.10		Continued.	Commissioning of new 200MVA ICT by replacing 100MVA ICT.
220/132 KV 150 MVA ICT - I @ NSK.	10/11/2010	09.40		Continued.	Augmentation of existing 150 MVA ICT by new 200MVA ICT (Up to 09.12.2012)
Babaleshwar - Babaleshwar - II	18/11/2010	09.02	26/11/2010	17.02	Isolator replacement work, Line on TBC
B - Bus at Boiser	21/11/2010	09:02		Continued.	Maintenance Isolator alignment and Hot spot.
Jejuri-Phursungi	22/11/2010	12.35		Continued.	Overhauling of breaker.
Khaperkheda - Wardha.	26/11/2010	09.27	26/11/2010	15.10	E/W Laying Work Bet. Loc.113 to 125.
Wadkhal-IPCL-II	26/11/2010	09.50	26/11/2010	17.10	Insulator Replacement.
220/132KV 100 MVA ICT-I @ Padegaon	26/11/2010	10.20	26/11/2010	16.43	Q.M.Work of C T,SFRA Test of ICT.
Padgha-Wada	26/11/2010	10.52	26/11/2010	20.52	Breaker O/H.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	26/11/2010	08.22	26/11/2010	18.25	Replacement of Disc Insulator.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Gadchandur-Virur-II	26/11/2010	09.00	26/11/2010	13.24	Main Bkr Operating Mechanism Work,(Ckt is on TBC)
Babaleshwar - Babaleshwar - II	26/11/2010	16.32	26/11/2010	17.02	Isolator Sparking.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	25/11/2010	23.35	26/11/2010	09.22	Over Voltage

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

Position as on 6.30 Hrs of 27/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	25/11/2010	23.52	26/11/2010	05.55	Over Voltage
Lonikand- Koyna Stage IV	26/11/2010	01.26	26/11/2010	08.14	Over Voltage
Karad - Kolhapur - II	26/11/2010	21.52		Continued.	Over Voltage.
Bhusawal- Aurangabad	26/11/2010	22.54		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	26/11/2010	23.38		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	20/11/2010	21.32		Continued.	Differantial Protection.
Kalmeshwar-Nippon	26/11/2010	14.37	26/11/2010	14.53	Tripped @ Nippon Denro end only.
Voltage Level : 132KV			Outage Type TRIPPED		
Butibori MIDC-Khapri Cky.	08/11/2010	10.10	26/11/2010	17.50	Dist.Prot.Y Ph.and B Ph.B/D decleared.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Nov/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	65
Unit 3	105	70
Unit 4	105	60
Unit 5	200	140
Unit 6	210	130
Unit 7	210	135
	1040	600
Bhusawal		
Unit 1	58	25
Unit 2	210	161
Unit 3	210	174
	478	360
Parli		
Unit 1	30	19
Unit 2	30	19
Unit 3	210	165
Unit 4	210	155
Unit 5	210	0
Unit 6	250	0
Unit 7	250	170
	1190	528
Chandrapur		
Unit 1	210	150
Unit 2	210	105
Unit 3	210	200
Unit 4	210	180
Unit 5	500	425
Unit 6	500	400
Unit 7	500	400
	2340	1860
Paras		
Unit 2	55	0
Unit 3	250	210
Unit 4	250	140
	555	350
Khaparkheda		
Unit 1	210	210
Unit 2	210	195
Unit 3	210	190
Unit 4	210	175
	840	770
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	190
Unit 4	210	190
Unit 5	210	200
	870	580
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	13
GHATGHAR	250	0
	611	189
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	1555
	960	1555
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	250
	500	250
Cent Sect		
Share	3143	3328
	3143	3328

	17376	7 of 7	13977
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