



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Dec/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.955	121.955	1) Madhya Pradesh	60.970	60.970
2) Hydro	8.711	8.711	2) Gujrat	13.327	13.327
3) Gas	15.493	15.493	3) Goa	-6.636	-6.636
Total MSGENCO	146.159	146.159	4) TAPS 1&2 (Inj.)	7.565	7.565
B) OTHERS			5) Pench (Excess)	-0.152	-0.152
1) RGPPL Gas	35.970	35.970	# Total Cent. Sector	75.074	75.074
2) Wind Generation	2.433	2.433	F) Other Exchanges		
3) CPP / IPP	9.492	9.492	1) With TPCL (Excess)	-16.081	-16.081
4) PENCH (MS)	0.152	0.152	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	-2.474	-2.474
1) TPCL Thermal	26.154	26.154	Include PX	0.000	0.000
2) TPCL Hydro	3.784	3.784	2) MUMBAI Bilateral	16.215	16.215
TOTAL TPCL	29.938	29.938	Include PX	7.222	7.222
3) REL Thermal	6.303	6.303	3) MUMBAI Schedule	16.215	16.215
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	154.412	154.412	1) MSEDCL	253.199	253.199
2) Hydro (A2+B3+C2)	12.647	12.647	2) TPCL	36.169	36.169
3) Gas (A3+B1)	51.463	51.463	3) REL	16.156	16.156
4) Wind (B2)	2.433	2.433	TOTAL STATE	305.524	305.524
5) CPP (B3)	9.492	9.492			
TOTAL STATE	230.447	230.447			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5159	5215	4900
MSGENCO Hydro	191	1189	102
MSGENCO Gas	627	633	667
MSGENCO Total Generation	5977	7037	5669
Central Sector Receipt	3337	3451	2514
RGPPL	1525	1514	1435
WIND	122	89	46
CPP / IPP	392	403	390
Exchange with Mumbai	-773	-857	-329
MSEDCL DEMAND MET	10607	11637	9725
Load Shedding	2887	3486	0
MSEDCL DEMAND (INCL. LS)	13494	15123	9725
TPCL GENERATION	1662	1528	915
REL GENERATION	264	261	263
TPCL+REL DEMAND	2699	2646	1507
STATE DEMAND MET	13306	14283	11232
STATE DEMAND (INCL. LS)	16193	17769	11232
Frequency (Hz)	49.84	49.75	50.26
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3971 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			56.00 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 02.53 Hrs	49.07 Hz at 18.11 Hrs	49.9	.23 % 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 01/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.70	0.70	65	0	0
Unit 2	1.47	1.47	73	0	75
Unit 3	1.42	1.42	68	50	70
Unit 4	1.32	1.32	65	40	65
Unit 5	3.16	3.16	140	122	140
Unit 6	2.91	2.91	140	80	130
Unit 7	3.12	3.12	150	115	150
	14.10	14.10			630
Bhusawal					
Unit 1	0.89	0.89	43	32	45
Unit 2	4.20	4.20	185	160	180
Unit 3	4.03	4.03	195	150	165
	9.11	9.11			390
Parli					
Unit 1	0.53	0.53	25	19	20
Unit 2	0.46	0.46	21	18	20
Unit 3	4.10	4.10	180	158	170
Unit 4	4.24	4.24	186	158	175
Unit 5	0.00	0.00	0	0	0
Unit 6	1.50	1.50	168	0	0
Unit 7	4.57	4.57	237	120	150
	15.40	15.40			535
Chandrapur					
Unit 1	3.55	3.55	162	130	150
Unit 2	3.32	3.32	162	118	140
Unit 3	4.74	4.74	203	183	200
Unit 4	4.56	4.56	200	172	190
Unit 5	10.20	10.20	465	370	430
Unit 6	9.76	9.76	451	319	450
Unit 7	9.40	9.40	439	336	450
	45.54	45.54			2010
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.20	2.20	207	0	0
Unit 4	4.27	4.27	250	121	250
	6.47	6.47			250
Khaparkheda					
Unit 1	4.58	4.58	210	165	190
Unit 2	4.17	4.17	200	156	180
Unit 3	4.30	4.30	192	170	180
Unit 4	4.10	4.10	179	155	175
	17.16	17.16			725
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.78	4.78	210	165	206
Unit 4	4.77	4.77	210	177	210
Unit 5	4.64	4.64	209	173	190
	14.19	14.19			606
Koyna					
Stage 1-2	3.12	3.12	345	35	600
Stage 4	1.54	1.54	505	0	250
Stage 3	0.93	0.93	238	0	320
	5.59	5.59			1170
Kovna 12&4 Total	4.66	4.66			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.49	15.49	677	617	650
		15.49	15.49			650
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.36	0.36	60	0	60
BHTGR/VEER		0.12	0.12	5	4	6
BHIRA T.R.		0.20	0.20	45	0	80
RNGR+BHTSA		0.40	0.40	17	16	17
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.18	0.18	8	7	8
SMLHY PTN		0.76	0.76	40	28	11
GHATGHAR		1.09	1.09	250	0	0
		3.12	3.12			182
PENCH (MS)						
Pench (MS)		0.15	0.15	27	0	
		0.15	0.15			
Wind						
MalharPeth		0.10	0.10			
Vankuswadi		0.34	0.34			
ATIT		0.03	0.03			
Kale		0.15	0.15			
Satara		0.44	0.44			
Shirala		0.14	0.14			
K Mahankal		0.02	0.02			
Supa		0.06	0.06			
Vita		0.74	0.74			
Dondaicha		0.13	0.13			
Sakri		0.01	0.01			
Nandurbar		0.03	0.03			
Khandke		0.22	0.22			
Khaparale		0.02	0.02			
		2.43	2.43			
CPP						
TOTAL CPP		9.49	9.49			
		9.49	9.49			
Dabhol						
RGPPL		35.97	35.97	1534	1432	1557
		35.97	35.97			1557
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.34	11.34	490	400	490
Trombay 6		5.19	5.19	350	150	500
Trombay 7A		2.88	2.88	123	118	120
Trombay 7B		1.60	1.60	68	65	60
Trombay 8		5.14	5.14	250	150	250
TATA Hydro		3.78	3.78	459	0	447
		29.94	29.94			1867
REL						
1&2		6.30	6.30	264	261	250
		6.30	6.30			250
Cent Sect						
Share						3531
						3531
MS PG CL	Thermal	121.96	121.96			5146
	Thml+Gas	137.45	137.45			5796
	Hydro	8.71	8.71			1352
	Total	146.16	146.16			7148
State Total		230.45	230.45			14353

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4931	96	640	5667	1437	55	396	2435	2529	-547	-480	9604	0	9604	1722	11326	49.93
2	4917	92	671	5680	1437	50	397	2395	2469	-425	-402	9631	0	9631	1609	11240	50.23
3	4900	102	667	5669	1435	46	390	2364	2514	-351	-329	9725	0	9725	1507	11232	50.26
4	4910	103	677	5690	1433	81	393	2371	2609	-325	-284	9922	0	9922	1437	11359	50.23
5	4974	102	669	5745	1432	82	390	2336	2885	-325	-335	10199	218	10417	1487	11904	50.04
6	5104	153	670	5927	1519	90	399	2648	3059	-349	-383	10611	1294	11905	1554	13459	49.92
7	5035	328	645	6008	1521	94	395	2798	2625	-449	-512	10131	2180	12311	1756	14067	49.78
8	5001	229	663	5893	1526	110	389	2844	2841	-497	-556	10203	2456	12659	1849	14508	49.76
9	5030	244	655	5929	1515	89	406	2920	3007	-570	-623	10323	2558	12881	2070	14951	49.80
10	5096	365	657	6118	1510	108	402	3154	3296	-656	-689	10750	2766	13516	2409	15925	49.68
11	5095	272	645	6012	1516	116	393	3320	3098	-766	-705	10457	3025	13482	2556	16038	49.75
12	5159	191	627	5977	1525	122	392	3323	3337	-771	-773	10607	2887	13494	2699	16193	49.84
13	5139	218	638	5995	1522	122	394	3473	3688	-923	-893	10855	2996	13851	2653	16504	49.87
14	5150	209	617	5976	1515	126	395	3445	3671	-880	-864	10844	2950	13794	2575	16369	49.82
15	5196	474	617	6287	1514	100	391	3450	3545	-909	-911	10931	2868	13799	2627	16426	49.82
16	5098	727	619	6444	1519	101	396	3353	3504	-909	-889	11075	2832	13907	2619	16526	49.82
17	5159	1005	626	6790	1522	94	392	3236	3327	-842	-819	11306	2664	13970	2626	16596	49.81
18	5156	1228	634	7018	1517	88	394	3220	3192	-818	-798	11411	2888	14299	2594	16893	49.71
19	5215	1189	633	7037	1514	89	403	3473	3451	-866	-857	11637	3486	15123	2646	17769	49.75
20	5165	715	637	6517	1518	102	400	3533	3530	-866	-857	11210	3547	14757	2579	17336	49.83
21	5284	357	639	6280	1520	132	404	3510	3370	-866	-851	10875	3172	14047	2447	16494	49.83
22	5186	107	647	5940	1534	155	393	3468	3555	-818	-811	10779	2773	13552	2246	15798	50.07
23	5093	108	652	5853	1531	150	390	3331	3268	-818	-809	10386	2514	12900	2116	15016	50.04
24	4962	97	648	5707	1438	131	398	3049	2705	-668	-651	9728	677	10405	1939	12344	50.10
MUs	121.96	8.71	15.49	146.16	35.97	2.43	9.49	73.45	75.08	-16.22	-16.08	253.20	50.75	303.95	52.32	356.27	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 01/Dec/2010

Position as on 6.30 Hrs of 02/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
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
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	15/12/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	02/12/2010
Koradi Unit 1	105	25/11/2010	12.46	01/12/2010	11.25	Boiler Feed Pump problem	
CPP JSW_JAIGAD	300	25/11/2010	21.35		Continued.	Boiler Tube Leakage.	03/12/2010
Nasik Unit 1	125	26/11/2010	17.50		Continued.	Governig system problem.	01/12/2010
Parli Unit 6	250	28/11/2010	15.25	01/12/2010	11.25	BLR T/L.	
Cent_Sect TARAPUR-4	540	29/11/2010	13.35		Continued.	Testing work.	03/12/2010
Paras Unit 3	250	30/11/2010	02.36	01/12/2010	08.18	Air heater problem.	
Koyna Unit 2	75	01/12/2010	07.05	01/12/2010	20.35	Preventive maintenance work.	
Koradi Unit 2	105	01/12/2010	22.28		Continued.	CHP Field problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2010

Position as on 6.30 Hrs of 02/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 - I	24/11/2010	22.32	01/12/2010	11.24	Over Voltage
Akola - Aurangabad- II	28/11/2010	16.49		Continued.	Changeover.
Akola - Wardha - II	28/11/2010	18.37		Continued.	Change over
Dhule - S'Sarovar- II	30/11/2010	22.40	01/12/2010	18.26	Over Voltage
Dhule-S'Sarovar I	01/12/2010	00.13	01/12/2010	08.05	Over Voltage
Kolhapur - Mapusa - II	01/12/2010	22.46		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/12/2010	23.04		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I -CHDPR	30/11/2010	22.13	01/12/2010	00.30	Outage at Padghe end for open line test.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
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
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)
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
Nagothane-Mahad	30/11/2010	10.05		Continued.	C.B.overhauling work.
Khargar-Topworth	01/12/2010	00.01	01/12/2010	19.12	Newly Commissioned Khargar-K'gaon LILO at M/S Topworth.
Kandalgaon-Khargar	01/12/2010	08.13	01/12/2010	19.13	Stringing of one ckt.for lilo for M/S Topworth.
Nigade - Peth	01/12/2010	09.30	01/12/2010	13.50	Q.M.Work
220/132 KV 200 MVA ICT-I @ Bale	01/12/2010	10.05	01/12/2010	12.09	Attending oil leakage.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-II @ BBLSR	02/12/2010	00.17	02/12/2010	04.38	Tightening of Y & B Ph.Bushing Terminal Clamp.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Pophali - KDPH	01/12/2010	11.15		Continued.	To attend MOCB oil leakage at KDPH end.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	30/11/2010	22.49	01/12/2010	12.32	Over Voltage.
Karad - Kolhapur - II	01/12/2010	20.55		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/33KV 100 MVA T/F - III @ Jamde	01/12/2010	18.15		Continued.	SFRA Test.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220/33KV,500 MVA ICT-I At Kalwa	30/11/2010	21.55		Continued.	Tripped Y Ph.buchholz.Charged from HV side.
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2010

Position as on 6.30 Hrs of 02/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 100 MVA ICT @ Shahada	29/11/2010	16.10		Continued.	Main buchholz protection operated.
Karad-Vita-II	30/11/2010	16.52	01/12/2010	05.35	Conductor snapped.Declared faulty.
Apta-Nagothane	30/11/2010	20.05	01/12/2010	04.00	Conductor snapped Apta S/stn.
Topworth-K'gaon	01/12/2010	00.01	01/12/2010	19.13	Newly Commissioned Khargar-K'gaon LILO at M/S Topworth.
220/33 KV 100 MVA ICT IV at Jamde	01/12/2010	12.42		Continued.	PRV and Bucholz.
220/132 KV 200 MVA ICT-III @ Phursungi	01/12/2010	12.48	01/12/2010	13.05	LV Side.
220/132KV200MVA ICT IV @Phursungi	01/12/2010	12.48	01/12/2010	13.05	LV side.
Voltage Level : 132KV			Outage Type TRIPPED		
Manmad - Malegaon	01/12/2010	08.12		Continued.	Distance Protection operated.
Bale-Degaon I	01/12/2010	08.28	01/12/2010	12.37	Distance Protection operated.
Bale-Degaon II	01/12/2010	08.28	01/12/2010	09.05	Distance Protection operated.
Phursungi-Phursungi I	01/12/2010	12.48	01/12/2010	13.15	132 KV Bus Bar Prot.operated.
Phursungi-Phursungi II	01/12/2010	12.48	01/12/2010	13.15	132 KV Bus Bar Prot.operated.
Phursungi-Kothrud	01/12/2010	12.48	01/12/2010	13.08	132 KV Bus Bar Prot.operated.
Phursungi-Kamthali	01/12/2010	12.48	01/12/2010	13.17	132 KV Bus Bar Prot.operated.
Phursungi-Mundawa	01/12/2010	12.48	01/12/2010	13.20	132 KV Bus Bar Prot.operated.
Mundawa-Kalyani	01/12/2010	12.48	01/12/2010	13.20	132 KV Bus Bar Prot.operated.
Mundawa-Bharat forge	01/12/2010	12.48	01/12/2010	13.20	132 KV Bus Bar Prot.operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	0
Unit 3	105	60
Unit 4	105	60
Unit 5	200	120
Unit 6	210	135
Unit 7	210	140
	1040	575
Bhusawal		
Unit 1	58	45
Unit 2	210	180
Unit 3	210	195
	478	420
Parli		
Unit 1	30	19
Unit 2	30	18
Unit 3	210	172
Unit 4	210	180
Unit 5	210	0
Unit 6	250	160
Unit 7	250	170
	1190	719
Chandrapur		
Unit 1	210	140
Unit 2	210	125
Unit 3	210	200
Unit 4	210	190
Unit 5	500	400
Unit 6	500	360
Unit 7	500	400
	2340	1815
Paras		
Unit 2	55	0
Unit 3	250	140
Unit 4	250	140
	555	280
Khaparkheda		
Unit 1	210	210
Unit 2	210	195
Unit 3	210	170
Unit 4	210	170
	840	745
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	182
Unit 4	210	192
Unit 5	210	172
	870	546
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	122
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		
RGPPPL	960	1554
	960	1554
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	250
	500	250
Cent Sect		
Share	3143	3590
	3143	3590