



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Dec/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.132	1252.004	1) Madhya Pradesh	45.036	556.314
2) Hydro	5.718	81.496	2) Gujrat	18.448	152.553
3) Gas	15.685	153.239	3) Goa	-6.590	-60.799
Total MSGENCO	145.535	1486.739	4) TAPS 1&2 (Inj.)	7.708	76.572
B) OTHERS			5) Pench (Excess)	-0.244	-2.351
1) RGPPL Gas	30.022	334.020	# Total Cent. Sector	64.358	722.289
2) Wind Generation	2.945	36.427	F) Other Exchanges		
3) CPP / IPP	20.305	110.259	1) With TPCL (Excess)	-7.803	-140.986
4) PENCH (MS)	0.244	2.351	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.625	2.390
1) TPCL Thermal	23.658	246.039	Include PX	0.000	-2.644
2) TPCL Hydro	3.436	32.319	2) MUMBAI Bilateral	8.311	144.294
TOTAL TPCL	27.094	278.358	Include PX	0.859	61.225
3) REL Thermal	11.888	72.034	3) MUMBAI Schedule	8.311	144.294
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	159.678	1570.077	1) MSEDCL	255.606	2551.099
2) Hydro (A2+B3+C2)	9.398	116.166	2) TPCL	35755.181	36063.404
3) Gas (A3+B1)	45.707	487.259	3) REL	-35708.394	-35572.392
4) Wind (B2)	2.945	36.427	TOTAL STATE	302.393	3042.111
5) CPP (B3)	20.305	110.259			
TOTAL STATE	238.033	2320.188			

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	5204	4927	5146
MSGENCO Hydro	185	828	122
MSGENCO Gas	670	654	589
MSGENCO Total Generation	6059	6409	5857
Central Sector Receipt	2697	2689	2051
RGPPL	1221	1264	1145
WIND	34	235	89
CPP / IPP	870	873	798
Exchange with Mumbai	-411	-517	-91
MSEDCL DEMAND MET	10492	10978	9849
Load Shedding	3229	3872	0
MSEDCL DEMAND (INCL. LS)	13721	14850	9849
TPCL GENERATION	1464	1536	793
REL GENERATION	529	330	528
TPCL+REL DEMAND	2404	2383	1412
STATE DEMAND MET	12896	13361	11261
STATE DEMAND (INCL. LS)	16125	17233	11261
Frequency (Hz)	49.75	49.89	50.15
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3684 MW AT 19.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			42.93 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 01.05 Hrs	49.36 Hz at 08.43 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 10/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.44	14.75	73	47	68
Unit 2	1.39	11.64	70	27	68
Unit 3	0.08	13.17	64	0	0
Unit 4	1.39	11.86	70	39	60
Unit 5	3.20	22.88	150	83	138
Unit 6	3.00	32.08	155	95	130
Unit 7	3.12	34.25	155	100	115
	13.61	140.61			579
Bhusawal					
Unit 1	0.84	9.37	46	19	45
Unit 2	3.72	42.06	190	65	180
Unit 3	4.05	43.31	185	150	180
	8.61	94.74			405
Parli					
Unit 1	0.27	5.26	24	0	23
Unit 2	0.50	4.98	22	19	21
Unit 3	4.00	40.32	178	135	175
Unit 4	4.28	42.14	186	169	185
Unit 5	0.00	0.00	0	0	0
Unit 6	4.85	45.16	251	125	250
Unit 7	5.12	47.67	255	165	220
	19.03	185.53			874
Chandrapur					
Unit 1	3.47	35.44	164	121	160
Unit 2	3.61	34.80	164	128	145
Unit 3	4.64	45.98	201	172	205
Unit 4	4.44	44.19	190	180	190
Unit 5	10.50	102.15	475	360	450
Unit 6	10.05	97.91	459	390	450
Unit 7	8.88	91.28	435	269	400
	45.60	451.77			2000
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	5.52	47.02	250	194	250
Unit 4	5.60	49.46	254	188	250
	11.12	96.48			500
Khaparkheda					
Unit 1	4.65	46.38	210	155	210
Unit 2	4.29	44.64	196	157	185
Unit 3	4.31	43.64	200	152	175
Unit 4	2.51	31.64	178	0	140
	15.76	166.30			710
Nasik					
Unit 1	1.77	3.06	89	50	76
Unit 2	0.00	0.00	0	0	0
Unit 3	4.46	33.02	200	170	182
Unit 4	4.16	42.09	192	161	172
Unit 5	0.00	38.40	0	0	0
	10.40	116.58			430
Koyna					
Stage 1-2	1.74	26.65	175	35	520
Stage 4	0.43	16.37	262	0	250
Stage 3	0.15	9.53	122	0	320
	2.32	52.55			1090
Kovna 12&4 Total	2.17	43.02			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.68	153.24	679	583	630
		15.68	153.24			630
Hydro						
KDPH		0.46	0.76	20	19	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.38	3.68	60	0	60
BHTGR/VEER		0.10	1.16	4	4	10
BHIRA T.R.		0.21	1.85	82	0	80
RNGR+BHTSA		0.41	3.98	17	17	10
BHANDARDRA		0.31	0.62	13	13	0
ELDARY		0.00	0.82	0	0	0
SMLHY_PTN		0.53	5.59	29	19	11
GHATGHAR		1.00	10.49	250	0	0
		3.40	28.94			171
PENCH (MS)						
Pench (MS)		0.24	2.35	40	0	
		0.24	2.35			
Wind						
MalharPeth		0.06	1.44			
Vankuswadi		0.20	4.44			
ATIT		0.03	1.05			
Kale		0.04	1.58			
Satara		0.08	2.53			
Shirala		0.06	1.73			
K Mahankal		0.04	2.52			
Supa		0.12	1.44			
Vita		0.27	7.71			
Dondaicha		1.45	6.28			
Sakri		0.18	0.99			
Nandurbar		0.19	0.59			
Khandke		0.13	2.72			
Khaparale		0.09	1.41			
		2.94	36.43			
CPP						
TOTAL_CPP		20.30	110.26			
		20.30	110.26			
Dabhol						
RGPPL		30.02	334.02	1545	1046	1280
		30.02	334.02			1280
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.11	105.04	490	275	490
Trombay 6		3.64	44.92	190	150	500
Trombay 7A		2.98	29.21	129	118	120
Trombay 7B		1.61	14.75	68	67	60
Trombay 8		5.32	52.12	260	150	250
TATA Hydro		3.44	32.32	421	0	447
		27.09	278.36			1867
REL						
1&2		11.89	72.03	530	263	500
		11.89	72.03			500
Cent Sect						
Share						3163
						3163
MS PG CL	Thermal	124.13	1252.00			5498
	Thml+Gas	139.82	1405.24			6128
	Hydro	5.72	81.50			1261
	Total	145.54	1486.74			7389
State Total		238.03	2320.19			14199

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	5129	112	583	5824	1166	88	797	2133	2154	-145	-128	9901	0	9901	1490	11391	50.01
2	5146	122	589	5857	1145	89	798	2074	2051	-97	-91	9849	0	9849	1412	11261	50.15
3	5231	112	598	5941	1127	58	798	2074	2047	-97	-44	9927	0	9927	1347	11274	50.19
4	5320	112	643	6075	1145	49	797	2104	2239	-122	-55	10250	0	10250	1351	11601	50.22
5	5308	162	674	6144	1182	51	799	2104	2322	-122	-70	10428	235	10663	1366	12029	49.99
6	5397	247	679	6323	1199	35	826	2208	2285	-122	-95	10573	1240	11813	1416	13229	49.94
7	5552	157	674	6383	1251	29	846	2731	2490	-172	-158	10841	1750	12591	1563	14154	49.83
8	5561	152	649	6362	1250	29	847	2872	2994	-207	-207	11275	2104	13379	1662	15041	49.76
9	5457	150	677	6284	1248	23	851	2847	2765	-249	-250	10921	2647	13568	1892	15460	49.72
10	5430	187	674	6291	1236	23	862	3063	2799	-335	-327	10884	2898	13782	2169	15951	49.73
11	5204	185	670	6059	1221	34	870	3223	2697	-425	-411	10492	3229	13721	2404	16125	49.75
12	5204	269	664	6137	1226	57	869	3224	2867	-425	-402	10781	2676	13457	2444	15901	49.86
13	5174	208	656	6038	1224	79	871	3320	3228	-521	-515	10952	2585	13537	2387	15924	49.84
14	5086	207	654	5947	1220	147	873	3323	3290	-521	-513	10991	2699	13690	2268	15958	49.77
15	5058	212	654	5924	1170	141	876	3280	3282	-521	-512	10881	2863	13744	2288	16032	49.78
16	5063	407	648	6118	1046	177	872	3165	3232	-521	-509	10936	2930	13866	2280	16146	49.88
17	4971	372	648	5991	1225	213	875	3201	3306	-521	-557	11053	2855	13908	2224	16132	49.95
18	4963	569	660	6192	1229	299	872	3248	3219	-521	-522	11289	3022	14311	2271	16582	49.85
19	4927	828	654	6409	1264	235	873	3184	2689	-521	-517	10978	3872	14850	2383	17233	49.89
20	5018	409	661	6088	1300	232	873	3345	2774	-521	-510	10782	3872	14654	2367	17021	49.80
21	5042	193	667	5902	1523	280	878	3318	2480	-473	-451	10652	2912	13564	2210	15774	49.87
22	4907	112	664	5683	1545	304	833	2980	2678	-425	-394	10674	441	11115	2046	13161	49.97
23	4949	127	673	5749	1445	144	825	2839	2554	-425	-355	10382	0	10382	1874	12256	49.84
24	5035	107	672	5814	1435	129	824	2572	1916	-299	-210	9914	0	9914	1671	11585	50.07
MUs	124.1 3	5.72	15.68	145.54	30.02	2.94	20.30	68.43	64.36	-8.31	-7.80	255.61	44.83	300.44	46.78	347.22	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 10/Dec/2010

Position as on 6.30 Hrs of 11/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	10/12/2010	18.30	Annual overhaul.	
Nasik Unit 2	125	23/11/2010	00.40		Continued.	Annual Overhaul.	30/12/2010
Cent_Sect NTPC(K-6)	500	02/12/2010	7:44		Continued.	Annual Overhaul	31/12/2010
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.	10/12/2010
Koyna Unit 7	80	07/12/2010	18.54		Continued.	Turbine Guide Bearing oil level too low.	11/12/2010
Dabhol 1A	230	07/12/2010	22.57	10/12/2010	17.57	Filter replacement.	
Cent_Sect NTPC(K-4)	500	09/12/2010	08.12	10/12/2010	15.30	Boiler Tube Leakage.	
Uran Unit B0	120	09/12/2010	20:27		Continued.	Boiler feed pump trip.	12/12/2010
Nasik Unit 5	210	10/12/2010	00.08		Continued.	Boiler Tube Leakage.	14/12/2010
Koradi Unit 3	105	10/12/2010	01.16		Continued.	ESP problem.	14/12/2010
Parli Unit 1	30	10/12/2010	09.37	10/12/2010	13.51	I D Fan Problem.	
Khaparkheda Unit 4	210	10/12/2010	09.53	10/12/2010	14.57	Generator Protection Operated.	
Parli Unit 1	30	10/12/2010	14.23	10/12/2010	21.38	Scada Testing.	
Khaparkheda Unit 4	210	10/12/2010	15.42	10/12/2010	17.26	Bearing Temp. High.	
REL 1	250	10/12/2010	16.00	10/12/2010	18.20	Speed Governing Problem.	
Cent_Sect NTPC (K-2)	210	11/12/2010	05.31		Continued.	Drum Level Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Dec/2010

Position as on 6.30 Hrs of 11/Dec/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		
Dhule - S'Sarovar- II	02/12/2010	17.11	10/12/2010	17.38	Over Voltage.
Kolhapur - Mapusa - I	06/12/2010	09.14		Continued.	Over Voltage.
Wardha - Akola - I	06/12/2010	23.13		Continued.	Over Voltage.
Dhule-S'Sarovar I	07/12/2010	23.53		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	10/12/2010	22.44		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.
400/220 KV315 MVA ICT-I @ BBLR	02/12/2010	10.46	10/12/2010	22.15	For repl.of 33 KV bushing of R,Y,and B ph.
400/220KV,500MVA ICT-III At Kalwa.	10/12/2010	06.22	10/12/2010	11.43	Attending Hot Spot on L V Side Jumper.
400/220 KV ICT - II @ Nagothane	10/12/2010	08.11	10/12/2010	20.03	Bay Maint. & Hot Spot Attending.
Dabhol - Nagothane - I	10/12/2010	08.15		Continued.	Cold Washing of Insulator.
400/220KV 315MVA ICT- I @ Kharghar	10/12/2010	10.51		Continued.	Maintenance Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17	10/12/2010	18.52	Dismentaling of existing ICT and commissioning of New 200MVA ICT
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
Main Bus - II Talangde	06/12/2010	10.35		Continued.	Alignment of isolator and testing work of equip.for 400 KV Solapur.
220/100KV,100 MVA T/F 4At K'gaon	09/12/2010	10.50		Continued.	LV side CB overhauling work.
220/132KV,200MVA ICT-I at Malegaon	10/12/2010	06.55	10/12/2010	14.25	Conductor Replacement Work.
Pedambe-Tambati	10/12/2010	08.27	10/12/2010	18.15	Replacement of Insulators Conductors.
220/132 200 MVA ICT @ Boiser	10/12/2010	09.13	10/12/2010	17.42	Q.M.Work.
Wada-Kolshet	10/12/2010	09.45	10/12/2010	19.11	Tend Measurment C B Overhaulling Work.
Babaleshwar - Ranjangaon	10/12/2010	10.14	10/12/2010	15.50	Replacement of Insulators.
Jambul - Pal	10/12/2010	10.37	10/12/2010	20.15	Relay Retrofitting Work @ Pal.
Babhaleshwar-Nasik-II	10/12/2010	10.40		Continued.	Replacement of 20 C Isolator Under LB's.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 K V Bus @ Malegaon	10/12/2010	11.15	10/12/2010	14.25	Connecting Jumpers.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
100 KV Bus @ Kalwa - I	10/12/2010	09.00	10/12/2010	17.37	Isolator Replacement Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315 MVA ICT-I @ Padgha	10/12/2010	17.13	10/12/2010	19.00	Attending Hot Spot of L V Side Bushing.
400/220 KV 500 MVA ICT-I @ Jejuri	11/12/2010	00.08	11/12/2010	01.34	Checking Oil Level.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Dec/2010

Position as on 6.30 Hrs of 11/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 150 MVA ICT-I @ Akola.	09/12/2010	13.38		Continued.	Main Ckt.Breaker O/H work.
Kalwa - Salshet - III	10/12/2010	23.10	11/12/2010	02.11	Replacement of B Ph C T Jumper.
Kalwa - Salshet - IV	11/12/2010	02.11	11/12/2010	05.06	Attending Hot Spot on 29D Isolators C T Clamp.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	09/12/2010	21.54	10/12/2010	05.16	Over Voltage.
Karad - Kolhapur - I	09/12/2010	22.00	10/12/2010	07.22	Over Voltage
Bhusawal- Aurangabad	10/12/2010	20.29	11/12/2010	05.36	Over Voltage.
Karad-Kolhapur-II	10/12/2010	20.41		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Shahada	29/11/2010	16.10		Continued.	Main buchholz protection operated.
220/33 KV 100 MVA ICT IV at Jamde	01/12/2010	12.42		Continued.	T/F declared as Failed.
Kalwa-Mulund-I	09/12/2010	18.20	10/12/2010	02.01	Distance protection.(Y'Ph. LA burnt)
Karad - Miraj	10/12/2010	01.50		Continued.	Distance protection.
Lonikand-Ranjangaon	10/12/2010	03.07	10/12/2010	03.46	Distance protection.
Padgha-Wada	10/12/2010	14.30	10/12/2010	14.58	Distenace Protection,V T Supply Fail.
Voltage Level : 132KV			Outage Type TRIPPED		
Kurkumbh - Daund	10/12/2010	17.00	10/12/2010	18.00	B Ph C T TO Isolator Jumper Opened @ Kurkumbh.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	68
Unit 3	105	0
Unit 4	105	64
Unit 5	200	144
Unit 6	210	130
Unit 7	210	155
	1040	621
Bhusawal		
Unit 1	58	45
Unit 2	210	180
Unit 3	210	180
	478	405
Parli		
Unit 1	30	23
Unit 2	30	21
Unit 3	210	170
Unit 4	210	183
Unit 5	210	0
Unit 6	250	233
Unit 7	250	215
	1190	845
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	200
Unit 4	210	190
Unit 5	500	480
Unit 6	500	400
Unit 7	500	400
	2340	1950
Paras		
Unit 2	55	0
Unit 3	250	250
Unit 4	250	250
	555	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	205
Unit 3	210	200
Unit 4	210	165
	840	780
Nasik		
Unit 1	120	71
Unit 2	120	0
Unit 3	210	182
Unit 4	210	172
Unit 5	210	0
	870	425
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	13
ELDARY	23	0
SMLHY_PTN	12	10
GHATGHAR	250	0
	611	204
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	1287
	960	1287
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	3393
	3143	3393

	17376	7 of 7	14497
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