



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Dec/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.652	1127.872	1) Madhya Pradesh	49.397	511.278
2) Hydro	7.687	75.778	2) Gujrat	18.312	134.105
3) Gas	12.779	137.554	3) Goa	-6.600	-54.209
Total MSGENCO	149.118	1341.204	4) TAPS 1&2 (Inj.)	7.885	68.864
B) OTHERS			5) Pench (Excess)	-0.150	-2.107
1) RGPPL Gas	29.016	303.998	# Total Cent. Sector	68.844	657.931
2) Wind Generation	1.797	33.482	F) Other Exchanges		
3) CPP / IPP	19.143	89.954	1) With TPCL (Excess)	-9.150	-133.183
4) PENCH (MS)	0.150	2.107	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	2.800	-3.235
1) TPCL Thermal	25.014	222.381	Include PX	-1.058	-2.644
2) TPCL Hydro	4.522	28.883	2) MUMBAI Bilateral	8.988	135.983
TOTAL TPCL	29.536	251.264	Include PX	1.203	60.366
3) REL Thermal	9.651	60.146	3) MUMBAI Schedule	8.988	135.983
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	163.317	1410.399	1) MSEDCL	258.918	2295.493
2) Hydro (A2+B3+C2)	12.359	106.768	2) TPCL	33.375	308.223
3) Gas (A3+B1)	41.795	441.552	3) REL	14.962	136.002
4) Wind (B2)	1.797	33.482	TOTAL STATE	307.255	2739.718
5) CPP (B3)	19.143	89.954			
TOTAL STATE	238.411	2082.155			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5523	5079	5134
MSGENCO Hydro	269	1220	93
MSGENCO Gas	479	471	679
MSGENCO Total Generation	6271	6770	5906
Central Sector Receipt	3098	3084	2256
RGPPL	1220	1231	1150
WIND	14	106	51
CPP / IPP	808	898	652
Exchange with Mumbai	-412	-421	-305
MSEDCL DEMAND MET	11016	11668	9710
Load Shedding	3389	4030	0
MSEDCL DEMAND (INCL. LS)	14405	15698	9710
TPCL GENERATION	1661	1561	843
REL GENERATION	431	526	265
TPCL+REL DEMAND	2504	2508	1413
STATE DEMAND MET	13520	14176	11123
STATE DEMAND (INCL. LS)	16909	18206	11123
Frequency (Hz)	49.87	49.92	50.15
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4653 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			62.55 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 21:58 Hrs	49.48 Hz at 18:09 Hrs	49.97	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 09/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.50	13.31	70	55	65
Unit 2	1.51	10.25	71	45	65
Unit 3	1.26	13.08	63	27	60
Unit 4	1.37	10.46	76	30	70
Unit 5	0.18	19.68	62	0	0
Unit 6	3.26	29.08	148	123	130
Unit 7	3.44	31.14	170	120	160
	12.53	127.00			550
Bhusawal					
Unit 1	1.06	8.53	49	39	45
Unit 2	4.25	38.34	190	160	180
Unit 3	4.16	39.26	180	160	180
	9.46	86.13			405
Parli					
Unit 1	0.54	4.99	23	21	18
Unit 2	0.49	4.48	21	19	18
Unit 3	3.97	36.31	178	152	150
Unit 4	3.98	37.86	180	155	174
Unit 5	0.00	0.00	0	0	0
Unit 6	5.31	40.30	251	167	220
Unit 7	5.36	42.55	243	180	180
	19.64	166.50			760
Chandrapur					
Unit 1	3.35	31.97	160	124	140
Unit 2	3.26	31.19	157	121	160
Unit 3	4.69	41.34	207	180	200
Unit 4	4.24	39.75	190	144	190
Unit 5	10.58	91.66	470	415	450
Unit 6	9.95	87.86	445	390	425
Unit 7	9.87	82.40	450	369	425
	45.93	406.17			1990
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	5.48	41.50	251	174	250
Unit 4	5.17	43.86	248	144	250
	10.65	85.36			500
Khaparkheda					
Unit 1	4.41	41.73	210	130	210
Unit 2	4.42	40.35	205	146	210
Unit 3	4.44	39.33	205	152	200
Unit 4	3.37	29.13	177	0	180
	16.64	150.54			800
Nasik					
Unit 1	1.29	1.29	79	3	66
Unit 2	0.00	0.00	0	0	0
Unit 3	4.12	28.56	190	150	174
Unit 4	4.21	37.93	205	122	178
Unit 5	4.16	38.40	194	114	178
	13.80	106.18			596
Koyna					
Stage 1-2	2.26	24.91	270	40	520
Stage 4	0.85	15.94	271	0	250
Stage 3	0.92	9.38	292	0	320
	4.03	50.23			1090
Kovna 12&4 Total	3.11	40.85			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		12.78	137.55	691	418	640
		12.78	137.55			640
Hydro						
KDPH		0.30	0.30	20	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.32	3.30	60	0	60
BHTGR/VEER		0.09	1.06	4	3	10
BHIRA T.R.		0.21	1.64	80	0	80
RNGR+BHTSA		0.41	3.57	17	17	10
BHANDARDRA		0.30	0.30	13	12	0
ELDARY		0.00	0.82	0	0	0
SMLHY PTN		0.57	5.06	32	20	11
GHATGHAR		1.44	9.49	251	0	0
		3.65	25.55			171
PENCH (MS)						
Pench (MS)		0.15	2.11	26	0	
		0.15	2.11			
Wind						
MalharPeth		0.08	1.38			
Vankuswadi		0.30	4.24			
ATIT		0.03	1.02			
Kale		0.07	1.54			
Satara		0.23	2.46			
Shirala		0.07	1.67			
K Mahankal		0.01	2.47			
Supa		0.02	1.32			
Vita		0.26	7.44			
Dondaicha		0.46	4.83			
Sakri		0.08	0.81			
Nandurbar		0.04	0.40			
Khandke		0.07	2.59			
Khaparale		0.08	1.32			
		1.80	33.48			
CPP						
TOTAL CPP		19.14	89.95			
		19.14	89.95			
Dabhol						
RGPPL		29.02	304.00	1248	1149	1280
		29.02	304.00			1280
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.63	94.92	490	350	490
Trombay 6		4.56	41.28	300	150	500
Trombay 7A		2.96	26.24	126	121	120
Trombay 7B		1.61	13.14	68	66	60
Trombay 8		5.26	46.80	252	150	250
TATA Hydro		4.52	28.88	459	0	447
		29.54	251.26			1867
REL						
1&2		9.65	60.15	529	257	500
		9.65	60.15			500
Cent Sect						
Share						3248
						3248
MS PG CL	Thermal	128.65	1127.87			5601
	Thml+Gas	141.43	1265.43			6241
	Hydro	7.69	75.78			1261
	Total	149.12	1341.20			7502
State Total		238.41	2082.16			14397

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	5309	98	666	6073	1153	48	648	2298	2125	-358	-395	9652	0	9652	1502	11154	50.13
2	5134	93	679	5906	1150	51	652	2191	2256	-285	-305	9710	0	9710	1413	11123	50.15
3	5091	98	680	5869	1149	51	662	2144	2363	-235	-258	9836	0	9836	1363	11199	50.19
4	5090	98	681	5869	1150	45	661	2120	2581	-210	-198	10108	0	10108	1304	11412	50.18
5	5234	188	684	6106	1152	47	664	2189	2684	-187	-225	10428	0	10428	1331	11759	50.12
6	5488	198	691	6377	1152	50	680	2517	2928	-233	-256	10931	1222	12153	1423	13576	50.07
7	5531	139	681	6351	1215	67	749	2996	2970	-328	-368	10984	2745	13729	1561	15290	49.92
8	5548	104	496	6148	1248	71	801	2986	3129	-308	-355	11042	3177	14219	1655	15874	49.88
9	5628	192	485	6305	1240	41	800	2877	2793	-333	-371	10808	3350	14158	1936	16094	49.77
10	5628	249	482	6359	1231	32	801	2994	3007	-373	-401	11029	3288	14317	2269	16586	49.84
11	5583	213	475	6271	1226	20	811	3079	2953	-418	-459	10822	3504	14326	2461	16787	49.87
12	5523	269	479	6271	1220	14	808	3081	3098	-418	-412	11016	3389	14405	2504	16909	49.87
13	5481	235	466	6182	1217	21	829	3176	3255	-509	-513	11017	3450	14467	2513	16980	49.79
14	5486	338	465	6289	1217	44	828	3176	3225	-509	-526	11103	3367	14470	2386	16856	49.86
15	5413	480	462	6355	1217	87	846	3126	3242	-509	-520	11250	3315	14565	2442	17007	49.86
16	5501	576	466	6543	1218	114	855	3005	3225	-509	-512	11463	3278	14741	2428	17169	49.94
17	5421	517	466	6404	1222	100	847	2923	3271	-418	-409	11456	3079	14535	2403	16938	50.03
18	5344	668	470	6482	1224	92	889	2924	3378	-418	-427	11655	3357	15012	2406	17418	49.92
19	5079	1220	471	6770	1231	106	898	2962	3084	-441	-421	11668	4030	15698	2508	18206	49.92
20	5072	1021	483	6576	1230	154	893	3097	2720	-441	-414	11159	4181	15340	2421	17761	49.81
21	5213	209	418	5840	1230	175	894	3110	3146	-418	-393	10892	3636	14528	2276	16804	49.88
22	5286	253	447	5986	1238	120	896	2773	2751	-418	-392	10599	3190	13789	2112	15901	50.06
23	5336	118	453	5907	1241	145	874	2565	2390	-418	-377	10180	2672	12852	1967	14819	50.01
24	5233	113	533	5879	1245	102	857	2235	2270	-292	-243	10110	0	10110	1753	11863	50.13
MUs	128.6 5	7.69	12.78	149.12	29.02	1.80	19.14	66.54	68.84	-8.99	-9.15	258.92	58.23	317.15	48.34	365.48	49.97

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 09/Dec/2010

Position as on 6.30 Hrs of 10/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.	12/12/2010
Nasik Unit 2	125	23/11/2010	00.40		Continued.	Annual Overhaul.	30/12/2010
REL 1	250	24/11/2010	03.55	09/12/2010	08:02	Annual overhaul.	
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
Nasik Unit 1	125	26/11/2010	17.50	09/12/2010	00.45	Governing system problem.	
Koradi Unit 5	200	06/12/2010	16.44	09/12/2010	19:41	BLR T/L.	
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		Continued.	Filter replacement.	11/12/2010
Uran Unit 7	108	09/12/2010	07:25	09/12/2010	19:49	Filter replacement.	
Cent_Sect NTPC(K-4)	500	09/12/2010	08.12		Continued.	Boiler Tube Leakage.	13/12/2010
Khaparkheda Unit 4	210	09/12/2010	17:34	09/12/2010	20:54	Coal gen. temp. high.	
Uran Unit 8	108	09/12/2010	20:27	09/12/2010	21:32	Boiler feed pump trip.	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2010

Position as on 6.30 Hrs of 10/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		Continued.	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.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE II - CHDPR	08/12/2010	23:38	09/12/2010	01:51	Opprtunity outage availed to replace MCB in control cabinet of Transformer.
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		Continued.	For repl.of 33 KV bushing of R,Y,and B ph.
Karad-Lamboti	09/12/2010	07.07	09/12/2010	20.39	Insulator replacement work.
Nagothane-Dabhol-I	09/12/2010	08.28	09/12/2010	18.02	Cold washing of line insulator.
400/220 KV 500 MVA ICT - II @ Jejuri	09/12/2010	15.15	09/12/2010	17.23	Tightening of nut bolt of Y ph.33 KV PT.
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
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.
220/132KV,200 MVA T/F-I At Nagar	07/12/2010	14.50	09/12/2010	11:59	Augmentation of 100 MVA ICT by 200 MVA ICT.Taken on humming at 19.10 Hrs.on 07/12/2010.
220 KV TBC @ Akola	08/12/2010	09.35	09/12/2010	11:10	Breaker overhaul.
Lonikand-Theur - I	09/12/2010	08.08	09/12/2010	13.35	Tan delta and 'C' measurement of CT.
Kandalgaon - Dasturi	09/12/2010	08.26	09/12/2010	17.57	Replacement of disc insulator.
Girivali - Parli - III	09/12/2010	09.11	09/12/2010	17.30	Replacement of LA.
Bhosari-Telco	09/12/2010	10.11	09/12/2010	13.57	Q.M.Work.
220/100KV,100 MVA T/F 4At K'gaon	09/12/2010	10.50		Continued.	LV side CB overhauling work.
Pusad -Parbhani	09/12/2010	11.07	09/12/2010	17.34	Replacement of isolator rod of B ph.
220/132 KV,200 MVA T/F AT Tilwani	09/12/2010	13.25	09/12/2010	17.23	Oil leakage work.
Lonikand -Theur - II	09/12/2010	13.37	09/12/2010	17.00	Tan delta and C measurement work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	09/12/2010	08.47	09/12/2010	17.14	Tower errection work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV 50 MVA ICT @ Gadchiroli	09/12/2010	13.14	09/12/2010	15.14	To attend red hot spot.
220/132 KV 150 MVA ICT-I @ Akola.	09/12/2010	13.38		Continued.	Main Ckt.Breaker O/H work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	08/12/2010	22.16	09/12/2010	05.46	Over Voltage.
Karad - Kolhapur - II	08/12/2010	22.39	09/12/2010	06.50	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2010

Position as on 6.30 Hrs of 10/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	09/12/2010	21.54	10/12/2010	05.16	Over Voltage.
Karad - Kolhapur - I	09/12/2010	22.00		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.
Chandrapur-Wani	09/12/2010	01.07	09/12/2010	01.40	Distance protection.
Bhigwan-Kalyani	09/12/2010	03.20	09/12/2010	04.00	Distance protection.
Kalwa-Mulund-I	09/12/2010	18.20	10/12/2010	02.01	Distance protection.(Y'Ph. LA burnt)
Kalwa - Borivali	09/12/2010	18.20	09/12/2010	18.41	Distance protection
Kalwa-Colourchem	09/12/2010	18.20	09/12/2010	18.44	Distance protection
Kalwa I-Kalwa II Inter connector	09/12/2010	18.20	09/12/2010	18.46	Distance protection
Borivali-Mulund	09/12/2010	18.20	09/12/2010	19.00	Distance protection
Karad - Miraj	10/12/2010	01.50		Continued.	Distance protection.
Lonikand-Ranjangaon	10/12/2010	03.07	10/12/2010	03.46	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Jintur	09/12/2010	02.47	09/12/2010	03.12	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	68
Unit 2	105	68
Unit 3	105	0
Unit 4	105	60
Unit 5	200	138
Unit 6	210	130
Unit 7	210	115
	1040	579
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	175
Unit 4	210	185
Unit 5	210	0
Unit 6	250	250
Unit 7	250	220
	1190	874
Chandrapur		
Unit 1	210	160
Unit 2	210	145
Unit 3	210	205
Unit 4	210	190
Unit 5	500	450
Unit 6	500	450
Unit 7	500	400
	2340	2000
Paras		
Unit 2	55	0
Unit 3	250	250
Unit 4	250	250
	555	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	185
Unit 3	210	175
Unit 4	210	140
	840	710
Nasik		
Unit 1	120	76
Unit 2	120	0
Unit 3	210	182
Unit 4	210	172
Unit 5	210	0
	870	430
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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	171
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	1280
	960	1280
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	3163
	3143	3163

	17376	7 of 7	14199
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