



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Dec/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.878	999.220	1) Madhya Pradesh	55.343	461.881
2) Hydro	11.045	68.091	2) Gujrat	20.057	115.793
3) Gas	15.829	124.775	3) Goa	-6.454	-47.609
Total MSGENCO	150.752	1192.086	4) TAPS 1&2 (Inj.)	7.831	60.979
B) OTHERS			5) Pench (Excess)	-0.111	-1.957
1) RGPPL Gas	29.154	274.982	# Total Cent. Sector	76.666	589.087
2) Wind Generation	2.467	31.685	F) Other Exchanges		
3) CPP / IPP	14.407	70.811	1) With TPCL (Excess)	-14.355	-124.033
4) PENCH (MS)	0.111	1.957	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	2.927	-6.035
1) TPCL Thermal	23.377	197.367	Include PX	-0.793	-1.587
2) TPCL Hydro	3.707	24.361	2) MUMBAI Bilateral	14.912	126.994
TOTAL TPCL	27.084	221.728	Include PX	6.322	59.163
3) REL Thermal	6.318	50.495	3) MUMBAI Schedule	14.912	126.994
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	153.573	1247.082	1) MSEDCL	259.202	2036.575
2) Hydro (A2+B3+C2)	14.863	94.409	2) TPCL	33.361	274.848
3) Gas (A3+B1)	44.983	399.757	3) REL	14.458	121.040
4) Wind (B2)	2.467	31.685	TOTAL STATE	307.021	2432.463
5) CPP (B3)	14.407	70.811			
TOTAL STATE	230.293	1843.744			

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	5018	5376	4898
MSGENCO Hydro	371	1157	97
MSGENCO Gas	646	642	687
MSGENCO Total Generation	6035	7175	5682
Central Sector Receipt	3751	3414	2271
RGPPL	1223	1227	1205
WIND	63	42	165
CPP / IPP	702	645	486
Exchange with Mumbai	-689	-693	-413
MSEDCL DEMAND MET	11085	11832	9396
Load Shedding	3240	3860	0
MSEDCL DEMAND (INCL. LS)	14325	15692	9396
TPCL GENERATION	1496	1471	749
REL GENERATION	264	262	264
TPCL+REL DEMAND	2449	2426	1426
STATE DEMAND MET	13534	14258	10822
STATE DEMAND (INCL. LS)	16774	18118	10822
Frequency (Hz)	49.90	49.98	50.14
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4310 MW At 18.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			64.03 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 23.51 Hrs	49.39 Hz at 09.24 Hrs	49.95	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 08/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.43	11.81	70	48	65
Unit 2	1.53	8.74	81	57	65
Unit 3	1.32	11.82	65	46	65
Unit 4	1.27	9.09	71	0	70
Unit 5	0.00	19.49	0	0	0
Unit 6	3.13	25.81	157	108	150
Unit 7	3.07	27.70	160	65	150
	11.76	114.47			565
Bhusawal					
Unit 1	1.05	7.47	48	38	40
Unit 2	4.18	34.09	185	160	161
Unit 3	4.21	35.10	185	165	174
	9.44	76.66			375
Parli					
Unit 1	0.54	4.46	23	22	22
Unit 2	0.50	3.99	23	19	23
Unit 3	3.81	32.34	172	129	163
Unit 4	3.82	33.89	178	140	155
Unit 5	0.00	0.00	0	0	0
Unit 6	5.02	34.99	245	171	175
Unit 7	5.23	37.19	251	167	190
	18.92	146.86			728
Chandrapur					
Unit 1	3.35	28.63	151	126	160
Unit 2	3.51	27.93	160	130	140
Unit 3	4.62	36.64	199	182	200
Unit 4	4.47	35.51	190	180	190
Unit 5	10.56	81.08	470	365	450
Unit 6	9.80	77.92	438	375	425
Unit 7	9.96	72.53	450	384	400
	46.26	360.24			1965
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.65	36.02	233	147	160
Unit 4	4.31	38.69	212	123	170
	8.96	74.70			330
Khaparkheda					
Unit 1	4.66	37.32	210	160	210
Unit 2	4.28	35.93	196	164	210
Unit 3	4.42	34.90	200	162	200
Unit 4	3.89	25.75	177	150	180
	17.25	133.90			800
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.66	24.44	185	110	192
Unit 4	3.58	33.72	172	106	172
Unit 5	4.05	34.24	186	153	172
	11.29	92.39			536
Koyna					
Stage 1-2	3.50	22.65	375	40	520
Stage 4	3.18	15.09	480	0	250
Stage 3	1.73	8.46	184	0	320
	8.40	46.20			1090
Kovna 12&4 Total	6.68	37.74			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.83	124.78	694	625	630
		15.83	124.78			630
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.39	2.97	60	0	60
BHTGR/VEER		0.09	0.97	4	3	10
BHIRA T.R.		0.17	1.43	73	0	80
RNGR+BHTSA		0.40	3.16	17	16	10
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.82	0	0	0
SMLHY PTN		0.61	4.49	34	22	11
GHATGHAR		0.97	8.05	250	0	0
		2.64	21.90			171
PENCH (MS)						
Pench (MS)		0.11	1.96	26	0	
		0.11	1.96			
Wind						
MalharPeth		0.07	1.30			
Vankuswadi		0.26	3.94			
ATIT		0.04	0.99			
Kale		0.10	1.47			
Satara		0.32	2.22			
Shirala		0.12	1.60			
K Mahankal		0.02	2.46			
Supa		0.09	1.30			
Vita		0.60	7.18			
Dondaicha		0.37	4.37			
Sakri		0.06	0.73			
Nandurbar		0.03	0.37			
Khandke		0.28	2.52			
Khaparale		0.11	1.24			
		2.47	31.68			
CPP						
TOTAL CPP		14.41	70.81			
		14.41	70.81			
Dabhol						
RGPPL		29.15	274.98	1249	1151	1300
		29.15	274.98			1300
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.74	84.30	490	245	500
Trombay 6		3.89	36.72	200	150	500
Trombay 7A		2.95	23.28	126	119	120
Trombay 7B		1.61	11.53	68	66	60
Trombay 8		5.20	41.54	250	150	250
TATA Hydro		3.71	24.36	459	0	447
		27.08	221.73			1877
REL						
1&2		6.32	50.50	265	261	250
		6.32	50.50			250
Cent Sect						
Share						3665
						3665
MS PG CL	Thermal	123.88	999.22			5299
	Thml+Gas	139.71	1124.00			5929
	Hydro	11.04	68.09			1261
	Total	150.75	1192.09			7190
State Total		230.29	1843.74			14282

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	5043	102	674	5819	1217	200	495	2416	2341	-477	-459	9613	0	9613	1494	11107	49.97
2	4898	97	687	5682	1205	165	486	2288	2271	-430	-413	9396	0	9396	1426	10822	50.14
3	4921	92	694	5707	1203	187	486	2240	2430	-382	-364	9649	0	9649	1367	11016	50.06
4	4950	98	694	5742	1207	227	489	2192	2485	-334	-306	9844	0	9844	1310	11154	50.20
5	5032	98	688	5818	1204	235	493	2269	2675	-334	-324	10101	248	10349	1327	11676	50.10
6	5041	243	686	5970	1228	187	509	2591	2874	-334	-320	10448	1661	12109	1368	13477	49.96
7	5081	193	684	5958	1249	185	541	3166	3016	-452	-436	10513	2764	13277	1501	14778	49.83
8	5126	268	682	6076	1249	164	541	3145	3168	-498	-489	10709	2983	13692	1635	15327	49.78
9	5074	467	671	6212	1240	128	547	3151	3253	-523	-510	10870	3202	14072	1887	15959	49.70
10	4998	912	661	6571	1226	80	621	3301	3346	-606	-593	11275	3081	14356	2214	16570	49.71
11	5018	371	646	6035	1223	63	702	3396	3751	-697	-689	11085	3240	14325	2449	16774	49.90
12	5013	582	638	6233	1216	40	614	3418	3720	-720	-687	11136	3165	14301	2472	16773	49.87
13	5111	825	628	6564	1213	21	631	3512	3548	-811	-779	11224	3243	14467	2464	16931	49.74
14	5110	858	625	6593	1212	16	632	3488	3634	-788	-776	11331	3118	14449	2364	16813	49.81
15	5175	948	625	6748	1211	32	685	3476	3483	-788	-763	11396	3108	14504	2384	16888	49.81
16	5279	839	640	6758	1218	30	685	3419	3618	-788	-766	11543	3118	14661	2427	17088	49.96
17	5310	774	638	6722	1219	41	627	3405	3802	-765	-755	11656	2969	14625	2409	17034	49.99
18	5407	852	637	6896	1220	49	694	3405	3846	-765	-768	11937	3274	15211	2384	17595	49.91
19	5376	1157	642	7175	1227	42	645	3514	3414	-788	-693	11832	3860	15692	2426	18118	49.98
20	5433	598	650	6681	1229	52	630	3674	3327	-811	-790	11139	3957	15096	2432	17528	50.00
21	5415	307	652	6374	1232	101	681	3724	3577	-788	-756	11218	3321	14539	2274	16813	49.99
22	5397	198	660	6255	1203	91	659	3347	3314	-742	-707	10815	2701	13516	2072	15588	50.10
23	5357	83	662	6102	1152	72	665	3112	3067	-720	-686	10372	1749	12121	1940	14061	50.01
24	5313	83	665	6061	1151	59	649	2710	2706	-570	-526	10100	1479	11579	1731	13310	50.20
MUs	123.88	11.04	15.83	150.75	29.15	2.47	14.41	74.36	76.67	-14.91	-14.36	259.20	56.24	315.44	47.76	363.20	49.95

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 08/Dec/2010

Position as on 6.30 Hrs of 09/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		Continued.	Annual overhaul	18/12/2010
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
Nasik Unit 1	125	26/11/2010	17.50	09/12/2010	00.45	Governing system problem.	
Koradi Unit 4	115	06/12/2010	14.34	08/12/2010	01.19	Turbine Bearing Vibration Problem.	
Koradi Unit 5	200	06/12/2010	16.44		Continued.	BLR T/L.	09/12/2010
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		Continued.	Filter replacement.	11/12/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Dec/2010

Position as on 6.30 Hrs of 09/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.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	08/12/2010	14.07	08/12/2010	18.35	Distance protection.
Talangde - Chikodi	08/12/2010	14.15	08/12/2010	15.20	Distance protection.
Padgha - Boisar (PGCIL)	08/12/2010	16.50	08/12/2010	20.02	Distance protection.
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 Chandrpur - 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	08/12/2010	07.01	08/12/2010	18.10	Errection of tower for 400KV Jaigad-karad D/C line.
Nagothane-Dabhol-I	08/12/2010	09.15	08/12/2010	19.14	Cold washing of line insulator.
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	08/12/2010	17.45	Commissioning of new 200MVA ICT by replacing 100MVA 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.
Apta-Nagothane	08/12/2010	09.40	08/12/2010	18.28	Replacement of Disc insulator.
220/132 KV 200 MVA ICT-I @ Bale	08/12/2010	10.00	08/12/2010	17.57	Repl.of R and Y Ph.of CT.
Kalwa - Salshet - IV	08/12/2010	11.05	08/12/2010	13.50	Taken on TBC to attend hot spot on 29A line insulator.
Main Bus II @ Versova	08/12/2010	13.06	08/12/2010	15.58	SF6 pressure low in isolator.
220 KV Interconnector @ Kalwa	08/12/2010	15.12	08/12/2010	16.55	Attending hot spot of isolaor.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Harangul-Ujani-II	08/12/2010	10.45	08/12/2010	18.35	Replacement of CC and WT balance work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-I	07/12/2010	09.15	08/12/2010	23:11	Ckt.Breaker overhauling work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV,100 MVA ICT	08/12/2010	15.05	08/12/2010	16.10	To attend oil leakage of CT.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Dec/2010

Position as on 6.30 Hrs of 09/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
At Hinganghat					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	07/12/2010	21.57	08/12/2010	07.44	Over Voltage.
Bhusawal- Aurangabad	07/12/2010	22.20	08/12/2010	05.39	Over Voltage.
Bhusawal- Aurangabad	08/12/2010	22.16		Continued.	Over Voltage.
Karad - Kolhapur - II	08/12/2010	22.39		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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	65
Unit 3	105	60
Unit 4	105	70
Unit 5	200	0
Unit 6	210	130
Unit 7	210	160
	1040	550
Bhusawal		
Unit 1	58	45
Unit 2	210	180
Unit 3	210	180
	478	405
Parli		
Unit 1	30	18
Unit 2	30	18
Unit 3	210	150
Unit 4	210	174
Unit 5	210	0
Unit 6	250	220
Unit 7	250	180
	1190	760
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	200
Unit 4	210	190
Unit 5	500	450
Unit 6	500	425
Unit 7	500	425
	2340	1990
Paras		
Unit 2	55	0
Unit 3	250	250
Unit 4	250	250
	555	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	200
Unit 4	210	180
	840	800
Nasik		
Unit 1	120	66
Unit 2	120	0
Unit 3	210	174
Unit 4	210	178
Unit 5	210	178
	870	596
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	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	3248
	3143	3248

	17376	7 of 7	14397
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