



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Dec/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.790	368.536	1) Madhya Pradesh	58.853	178.468
2) Hydro	8.716	28.571	2) Gujrat	11.024	37.993
3) Gas	15.448	46.453	3) Goa	-6.148	-19.044
Total MSGENCO	148.954	443.560	4) TAPS 1&2 (Inj.)	7.170	22.488
B) OTHERS			5) Pench (Excess)	-0.279	-0.705
1) RGPPL Gas	35.555	107.275	# Total Cent. Sector	70.620	219.200
2) Wind Generation	2.583	7.371	F) Other Exchanges		
3) CPP / IPP	4.448	20.715	1) With TPCL (Excess)	-16.176	-48.847
4) PENCH (MS)	0.279	0.705	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	-2.474	-7.421
1) TPCL Thermal	26.434	78.229	Include PX	0.000	0.000
2) TPCL Hydro	3.783	11.184	2) MUMBAI Bilateral	16.018	49.319
TOTAL TPCL	30.217	89.413	Include PX	7.998	23.283
3) REL Thermal	6.320	18.934	3) MUMBAI Schedule	16.018	49.319
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	157.544	465.699	1) MSEDCL	246.263	749.979
2) Hydro (A2+B3+C2)	12.778	40.460	2) TPCL	36.797	109.416
3) Gas (A3+B1)	51.003	153.728	3) REL	15.882	47.745
4) Wind (B2)	2.583	7.371	TOTAL STATE	298.942	907.140
5) CPP (B3)	4.448	20.715			
TOTAL STATE	228.356	687.973			

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	5108	5254	5189
MSGENCO Hydro	385	977	92
MSGENCO Gas	624	647	660
MSGENCO Total Generation	6117	6878	5941
Central Sector Receipt	3369	3308	2242
RGPPL	1486	1497	1477
WIND	62	125	164
CPP / IPP	179	176	216
Exchange with Mumbai	-779	-874	-432
MSEDCL DEMAND MET	10459	11137	9608
Load Shedding	3201	3529	0
MSEDCL DEMAND (INCL. LS)	13660	14666	9608
TPCL GENERATION	1661	1543	919
REL GENERATION	264	262	263
TPCL+REL DEMAND	2704	2679	1614
STATE DEMAND MET	13163	13816	11222
STATE DEMAND (INCL. LS)	16364	17345	11222
Frequency (Hz)	49.73	49.80	50.06
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3965 MW AT 19.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			60.78 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 05.02 Hrs	49.01 Hz at 10.15 Hrs	49.85	1.08 % 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 03/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.67	3.93	78	58	70
Unit 2	0.00	1.47	0	0	0
Unit 3	1.63	4.47	78	58	65
Unit 4	1.51	4.25	70	49	60
Unit 5	3.58	9.78	166	130	140
Unit 6	3.26	9.17	162	113	130
Unit 7	3.48	9.64	165	130	130
	15.12	42.71			595
Bhusawal					
Unit 1	0.48	2.18	39	12	45
Unit 2	4.38	12.88	185	175	180
Unit 3	4.58	13.26	205	170	200
	9.45	28.33			425
Parli					
Unit 1	0.52	1.60	24	17	20
Unit 2	0.48	1.43	24	10	20
Unit 3	4.04	12.27	183	158	172
Unit 4	4.24	12.78	183	166	180
Unit 5	0.00	0.00	0	0	0
Unit 6	4.44	10.36	248	150	180
Unit 7	3.68	11.56	190	81	190
	17.40	49.99			762
Chandrapur					
Unit 1	3.56	10.56	162	96	160
Unit 2	3.72	10.24	164	139	150
Unit 3	4.74	13.94	210	176	185
Unit 4	4.47	13.55	193	172	200
Unit 5	10.23	29.31	490	365	400
Unit 6	10.13	28.91	460	385	425
Unit 7	8.19	26.57	361	309	375
	45.05	133.08			1895
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	5.33	11.45	246	176	250
Unit 4	5.63	13.71	246	222	250
	10.95	25.16			500
Khaparkheda					
Unit 1	4.76	14.20	210	170	210
Unit 2	4.64	13.27	206	181	210
Unit 3	4.16	12.77	184	155	200
Unit 4	0.82	9.07	176	0	0
	14.38	49.31			620
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.81	13.13	200	0	192
Unit 4	4.31	13.59	199	153	190
Unit 5	4.32	13.23	194	156	192
	12.44	39.96			574
Koyna					
Stage 1-2	3.30	9.80	280	35	600
Stage 4	1.39	6.48	470	0	250
Stage 3	1.15	3.70	226	0	320
	5.84	19.97			1170
Kovna 12&4 Total	4.69	16.28			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.45	46.45	663	622	630
		15.45	46.45			630
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.38	1.11	60	0	60
BHTGR/VEER		0.16	0.40	7	6	5
BHIRA T.R.		0.21	0.61	73	0	80
RNGR+BHTSA		0.38	1.18	16	16	17
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.36	0	0	0
SMLHY PTN		0.53	1.88	29	19	11
GHATGHAR		1.21	3.06	125	0	0
		2.88	8.60			173
PENCH (MS)						
Pench (MS)		0.28	0.70	27	0	
		0.28	0.70			
Wind						
MalharPeth		0.17	0.41			
Vankuswadi		0.37	1.06			
ATIT		0.06	0.14			
Kale		0.10	0.40			
Satara		0.17	1.10			
Shirala		0.08	0.35			
K Mahankal		0.09	0.13			
Supa		0.09	0.19			
Vita		0.39	1.70			
Dondaicha		0.53	0.69			
Sakri		0.10	0.11			
Nandurbar		0.04	0.09			
Khandke		0.34	0.91			
Khaparale		0.04	0.08			
		2.58	7.37			
CPP						
TOTAL CPP		4.45	20.72			
		4.45	20.72			
Dabhol						
RGPPL		35.56	107.28	1499	1460	1560
		35.56	107.28			1560
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.72	34.06	490	480	500
Trombay 6		5.36	15.55	370	150	500
Trombay 7A		2.89	8.67	124	117	120
Trombay 7B		1.32	4.52	68	0	60
Trombay 8		5.14	15.42	250	150	250
TATA Hydro		3.78	11.18	453	0	447
		30.22	89.41			1877
REL						
1&2		6.32	18.93	264	262	250
		6.32	18.93			250
Cent Sect						
Share						3452
						3452
MS PG CL	Thermal	124.79	368.54			5371
	Thml+Gas	140.24	414.99			6001
	Hydro	8.72	28.57			1343
	Total	148.95	443.56			7344
State Total		228.36	687.97			14483

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	5176	77	659	5912	1473	166	228	2499	2458	-530	-546	9691	0	9691	1738	11429	49.99
2	5189	92	660	5941	1477	164	216	2360	2242	-410	-432	9608	0	9608	1614	11222	50.06
3	5200	82	661	5943	1475	152	212	2313	2378	-361	-421	9739	0	9739	1594	11333	50.03
4	5230	87	663	5980	1468	171	214	2265	2427	-312	-314	9946	0	9946	1501	11447	50.10
5	5253	92	663	6008	1471	175	208	2265	2636	-312	-316	10182	823	11005	1528	12533	50.13
6	5195	177	656	6028	1474	175	189	2522	2604	-336	-343	10127	1695	11822	1580	13402	49.91
7	5191	262	661	6114	1475	173	169	2668	2584	-457	-462	10053	2646	12699	1705	14404	49.73
8	5265	152	655	6072	1482	141	186	2687	2601	-481	-501	10001	2179	12180	1814	13994	49.75
9	5194	184	655	6033	1493	110	168	2751	2771	-554	-581	10014	3259	13273	2093	15366	49.70
10	5295	312	643	6250	1492	105	183	2966	2915	-639	-659	10312	3282	13594	2401	15995	49.63
11	5237	208	630	6075	1489	81	179	3207	2797	-748	-775	9872	3364	13236	2661	15897	49.59
12	5108	385	624	6117	1486	62	179	3250	3369	-791	-779	10459	3201	13660	2704	16364	49.73
13	5156	480	622	6258	1497	52	182	3373	3297	-915	-900	10406	3190	13596	2703	16299	49.75
14	5187	362	626	6175	1498	68	182	3358	3536	-896	-883	10582	3061	13643	2602	16245	49.87
15	5207	684	625	6516	1488	37	166	3245	3230	-915	-917	10520	3027	13547	2631	16178	49.67
16	5269	790	627	6686	1497	42	158	3112	3103	-915	-925	10561	3002	13563	2644	16207	49.74
17	5242	884	624	6750	1499	56	160	3050	3066	-853	-848	10693	2841	13534	2632	16166	49.71
18	5304	1108	622	7034	1492	69	179	3009	2826	-800	-826	10801	3010	13811	2481	16292	49.56
19	5254	977	647	6878	1497	125	176	3304	3308	-848	-874	11137	3529	14666	2679	17345	49.80
20	5240	602	636	6478	1473	55	185	3432	3410	-848	-847	10781	3568	14349	2589	16938	49.85
21	5220	334	641	6195	1468	106	194	3448	3521	-848	-834	10675	3258	13933	2446	16379	49.97
22	5141	188	642	5971	1469	113	171	3400	3394	-800	-776	10362	2852	13214	2243	15457	50.02
23	5017	81	651	5749	1462	101	182	3179	3321	-800	-785	10030	2137	12167	2166	14333	49.96
24	5020	116	655	5791	1460	84	182	2883	2826	-650	-632	9711	2126	11837	1964	13801	50.04
MUs	124.79	8.72	15.45	148.95	35.56	2.58	4.45	70.55	70.62	-16.02	-16.18	246.26	56.05	302.31	52.71	355.03	49.85

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 03/Dec/2010

Position as on 6.30 Hrs of 04/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.	05/12/2010
CPP JSW_JAIGAD	300	25/11/2010	21.35		Continued.	Boiler Tube Leakage.	05/12/2010
Nasik Unit 1	125	26/11/2010	17.50		Continued.	Governig system problem.	04/12/2010
Cent_Sect TARAPUR-4	540	29/11/2010	13.35		Continued.	Testing work.	04/12/2010
Koradi Unit 2	105	01/12/2010	22.28		Continued.	CHP Field problem.	04/12/2010
Koyna Unit 11	80	02/12/2010	08.00	04/12/2010	01.10	Bearing work.	
Cent_Sect NTPC(K-6)	500	02/12/2010	7:44		Continued.	BTL	05/12/2010
Khaparkheda Unit 4	210	03/12/2010	04.47		Continued.	Boiler tube leakage.	05/12/2010
Nasik Unit 3	210	03/12/2010	22.00		Continued.	Boiler Tube Leakage.	06/12/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Dec/2010

Position as on 6.30 Hrs of 04/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	03/12/2010	11.58	03/12/2010	18.40	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	28/11/2010	18.37		Continued.	Change over
Kolhapur - Mapusa - II	01/12/2010	22.46	03/12/2010	12.27	Over Voltage.
Dhule - S'Sarovar- II	02/12/2010	17.11		Continued.	Over Voltage.
Kolhapur - Mapusa - II	03/12/2010	22.43		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 KV315 MVA ICT-I @ BBLR	02/12/2010	10.46		Continued.	For repl.of 33 KV bushing of R,Y,and B ph.
Akola - Bhusawal	03/12/2010	08.21	03/12/2010	19.32	Replacement of L A & Maint.Work.
Main Breaker @ Jejuri	03/12/2010	11.45	03/12/2010	15.31	DCRM Testing Demanstrans.
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.
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
220 KV main bus-II at 400KV Chakan	02/12/2010	16.10		Continued.	New T/F,50 MVA jumpering work.
Airoli-Knowledge park-Nasik	03/12/2010	08.20	03/12/2010	18.38	Insulator Replacement Work.
Dahanu-Ghodbunder	03/12/2010	08.47	03/12/2010	18.08	Bay & Line Maint Work.
Main Bus - I @ Dahanu	03/12/2010	09.03		Continued.	Bus Maint.Work.
Kalwa-Salsatt - II	03/12/2010	09.19	03/12/2010	12.11	R.M.Work.
220/132 KV 200 MVA ICT-II @ Boiser	03/12/2010	10.01	03/12/2010	12.48	R.M.Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Pophali - KDPH	01/12/2010	11.15		Continued.	To attend MOCB oil leakage at KDPH end.
Kalwa-Colourchem	03/12/2010	10.28	03/12/2010	12.11	Attnding Red Hot.
Bhugaon-Wardha	03/12/2010	12.17	03/12/2010	16.13	Attending Oil Leakage of R Ph C T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 500 MVA ICT - I @ Lamboti	02/12/2010	13.08		Continued.	LV of ICT-I H/T.Full load taken on ICT-II.
Bhusawal- Aurangabad	02/12/2010	23.15	03/12/2010	07.47	Over Voltage.
Karad - Kolhapur - I	02/12/2010	23.19	03/12/2010	08.47	Over Voltage.
Bhusawal- Aurangabad	03/12/2010	23.44		Continued.	Over Voltage.
Karad - Kolhapur - I	03/12/2010	23.52		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.	PRV and Bucholz.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Dec/2010

Position as on 6.30 Hrs of 04/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kolhapur-Sawantwadi	02/12/2010	00.20	03/12/2010	20.04	Distance protection. Trial taken, declared faulty.
Karad-Pedambe	03/12/2010	04.40	03/12/2010	12.20	Distance protection. Declared faulty.
Kolhapur-Sawantwadi	03/12/2010	20.13		Continued.	Distance Protection.
Vita - Karkamb - Lamboti	03/12/2010	5:53	03/12/2010	6:08	Dist. Prot.
Nigade - Peth	04/12/2010	05.30	04/12/2010	05.35	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	70
Unit 4	105	60
Unit 5	200	140
Unit 6	210	130
Unit 7	210	150
	1040	620
Bhusawal		
Unit 1	58	20
Unit 2	210	160
Unit 3	210	170
	478	350
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	180
Unit 5	210	0
Unit 6	250	160
Unit 7	250	200
	1190	750
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	190
Unit 5	500	425
Unit 6	500	450
Unit 7	500	350
	2340	1935
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	0
	840	620
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	0
Unit 4	210	192
Unit 5	210	172
	870	364
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	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	19
GHATGHAR	250	
	611	181
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	1560
	960	1560
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	3454
	3143	3454

	17376	7 of 7	14261
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