



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Dec/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	131.757	1761.108	1) Madhya Pradesh	48.517	752.448
2) Hydro	6.508	103.677	2) Gujrat	15.884	212.028
3) Gas	16.057	217.937	3) Goa	-5.855	-84.712
Total MSGENCO	154.322	2082.722	4) TAPS 1&2 (Inj.)	7.868	107.712
B) OTHERS			5) Pench (Excess)	-0.177	-2.892
1) RGPPL Gas	36.319	479.124	# Total Cent. Sector	66.237	984.584
2) Wind Generation	1.887	49.806	F) Other Exchanges		
3) CPP / IPP	12.301	161.851	1) With TPCL (Excess)	-5.120	-158.632
4) PENCH (MS)	0.177	2.892	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.548	26.129
1) TPCL Thermal	21.860	332.094	Include PX	0.000	0.000
2) TPCL Hydro	3.671	41.526	2) MUMBAI Bilateral	6.845	169.634
TOTAL TPCL	25.531	373.620	Include PX	0.000	61.888
3) REL Thermal	11.949	121.389	3) MUMBAI Schedule	6.845	169.634
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	165.566	2214.591	1) MSEDCL	266.123	3602.347
2) Hydro (A2+B3+C2)	10.356	148.095	2) TPCL	28.953	450.304
3) Gas (A3+B1)	52.376	697.061	3) REL	13.646	202.966
4) Wind (B2)	1.887	49.806	TOTAL STATE	308.722	4255.617
5) CPP (B3)	12.301	161.851			
TOTAL STATE	242.486	3271.404			

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	5761	5685	4918
MSGENCO Hydro	224	818	127
MSGENCO Gas	652	659	687
MSGENCO Total Generation	6637	7162	5732
Central Sector Receipt	3122	3027	1653
RGPPL	1548	1553	1446
WIND	50	36	95
CPP / IPP	594	553	459
Exchange with Mumbai	-378	-390	100
MSEDCL DEMAND MET	11573	11951	9485
Load Shedding	2646	3650	0
MSEDCL DEMAND (INCL. LS)	14219	15601	9485
TPCL GENERATION	1315	1379	761
REL GENERATION	502	522	488
TPCL+REL DEMAND	2195	2291	1149
STATE DEMAND MET	13768	14242	10634
STATE DEMAND (INCL. LS)	16414	17892	10634
Frequency (Hz)	49.80	50.00	50.03
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3500 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			39.01 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 20.58 Hrs	49.36 Hz at 11.28 Hrs	49.91	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 14/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.51	19.36	70	36	70
Unit 2	1.60	17.95	77	59	70
Unit 3	1.47	16.90	70	45	65
Unit 4	0.00	14.68	0	0	0
Unit 5	3.26	35.94	148	123	130
Unit 6	3.12	44.89	170	102	150
Unit 7	3.32	47.22	165	120	140
	14.28	196.93			625
Bhusawal					
Unit 1	0.99	13.37	50	38	45
Unit 2	4.31	59.29	190	160	180
Unit 3	4.52	61.14	205	165	200
	9.82	133.80			425
Parli					
Unit 1	0.50	7.21	23	18	19
Unit 2	0.00	5.46	0	0	0
Unit 3	4.02	56.53	180	158	170
Unit 4	4.29	59.07	195	155	185
Unit 5	0.00	0.00	0	0	0
Unit 6	4.60	65.56	241	155	240
Unit 7	5.36	69.35	250	165	250
	18.77	263.19			864
Chandrapur					
Unit 1	3.56	49.88	165	122	160
Unit 2	3.62	49.13	160	132	150
Unit 3	4.59	62.22	210	155	170
Unit 4	4.50	61.85	196	160	180
Unit 5	10.71	143.76	510	290	450
Unit 6	10.02	137.11	455	350	450
Unit 7	9.56	129.67	450	370	375
	46.57	633.63			1935
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.46	65.72	225	157	200
Unit 4	4.63	69.48	219	148	200
	9.09	135.20			400
Khaparkheda					
Unit 1	4.48	64.95	210	165	210
Unit 2	4.68	56.25	208	180	210
Unit 3	4.40	61.54	205	157	200
Unit 4	4.05	48.09	181	153	180
	17.60	230.84			800
Nasik					
Unit 1	2.11	11.23	93	82	85
Unit 2	0.00	0.00	0	0	0
Unit 3	4.50	51.32	205	165	210
Unit 4	4.64	60.00	207	170	190
Unit 5	4.38	44.97	200	153	190
	15.62	167.51			675
Koyna					
Stage 1-2	1.90	32.62	230	40	520
Stage 4	0.00	16.37	0	0	250
Stage 3	0.48	10.78	280	0	320
	2.37	59.77			1090
Kovna 12&4 Total	1.90	48.99			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.06	217.94	690	644	640
		16.06	217.94			640
Hydro						
KDPH		0.00	1.37	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.38	5.22	60	0	60
BHTGR/VEER		0.10	1.54	5	4	10
BHIRA T.R.		0.17	2.45	53	0	40
RNGR+BHTSA		0.43	5.70	18	18	10
BHANDARDRA		0.00	0.93	0	0	10
ELDARY		0.36	2.05	15	15	0
SMLHY PTN		1.04	8.92	51	40	19
GHATGHAR		1.66	15.73	250	0	0
		4.14	43.90			149
PENCH (MS)						
Pench (MS)		0.18	2.89	50	0	
		0.18	2.89			
Wind						
MalharPeth		0.17	2.05			
Vankuswadi		0.27	5.91			
ATIT		0.06	1.39			
Kale		0.07	1.94			
Satara		0.15	3.27			
Shirala		0.13	2.20			
K Mahankal		0.10	3.61			
Supa		0.07	1.64			
Vita		0.55	11.02			
Dondaicha		0.05	9.34			
Sakri		0.00	1.48			
Nandurbar		0.01	0.98			
Khandke		0.22	3.34			
Khaparale		0.03	1.63			
		1.89	49.81			
CPP						
TOTAL CPP		12.30	161.85			
		12.30	161.85			
Dabhol						
RGPPL		36.32	479.12	1579	1435	1580
		36.32	479.12			1580
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		8.33	137.18	420	265	500
Trombay 6		3.60	59.32	150	150	500
Trombay 7A		3.01	41.32	129	122	60
Trombay 7B		1.63	21.25	69	68	120
Trombay 8		5.29	73.03	252	150	250
TATA Hydro		3.67	41.53	369	0	447
		25.53	373.62			1877
REL						
1&2		11.95	121.39	530	459	500
		11.95	121.39			500
Cent Sect						
Share						3366
						3366
MS PG CL	Thermal	131.76	1761.11			5724
	Thml+Gas	147.81	1979.04			6364
	Hydro	6.51	103.68			1239
	Total	154.32	2082.72			7603
State Total		242.49	3271.40			14926

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	5326	127	682	6135	1447	32	455	2007	1654	-112	15	9738	0	9738	1217	10955	49.96
2	5180	117	682	5979	1448	36	453	1832	1513	-12	57	9486	0	9486	1168	10654	50.05
3	4918	127	687	5732	1446	95	459	1832	1653	-12	100	9485	0	9485	1149	10634	50.03
4	4973	122	686	5781	1448	117	458	1856	1849	-35	106	9759	0	9759	1143	10902	50.08
5	5037	122	686	5845	1446	129	461	1856	2041	-35	121	10043	0	10043	1128	11171	49.93
6	5511	158	686	6355	1454	156	469	2238	2202	-35	52	10688	0	10688	1196	11884	49.86
7	5555	193	689	6437	1578	178	490	2824	2796	-37	-9	11470	316	11786	1325	13111	49.78
8	5655	193	690	6538	1579	172	487	2932	2672	-62	-6	11442	1923	13365	1499	14864	49.78
9	5628	261	678	6567	1579	147	492	2993	2970	-137	-118	11637	2320	13957	1757	15714	49.67
10	5727	334	675	6736	1566	135	493	3334	3299	-352	-280	11949	2321	14270	2036	16306	49.86
11	5777	238	669	6684	1558	84	588	3553	2911	-443	-373	11452	2681	14133	2185	16318	49.87
12	5761	224	652	6637	1548	50	594	3551	3122	-443	-378	11573	2646	14219	2195	16414	49.80
13	5751	117	650	6518	1523	18	582	3546	3532	-443	-381	11792	2683	14475	2185	16660	49.76
14	5652	117	648	6417	1533	16	588	3546	3494	-443	-406	11642	2535	14177	2129	16306	50.01
15	5633	142	644	6419	1530	14	594	3409	3510	-443	-430	11637	2585	14222	2134	16356	49.96
16	5693	297	649	6639	1535	12	580	3276	3498	-443	-385	11879	2557	14436	2134	16570	49.88
17	5703	427	659	6789	1542	12	592	3278	3505	-443	-393	12047	2670	14717	2139	16856	49.94
18	5656	611	655	6922	1541	29	587	3281	3400	-443	-428	12051	2817	14868	2136	17004	49.84
19	5685	818	659	7162	1553	36	553	3232	3027	-443	-390	11951	3650	15601	2291	17892	50.00
20	5605	656	660	6921	1551	51	533	3367	2811	-443	-399	11511	3498	15009	2283	17292	49.89
21	5599	438	665	6702	1555	72	434	3375	2913	-443	-362	11364	2935	14299	2043	16342	49.94
22	5619	287	667	6573	1486	83	454	3050	2815	-443	-344	11117	112	11229	1894	13123	50.00
23	5118	260	668	6046	1435	103	452	2880	2771	-438	-328	10499	0	10499	1722	12221	49.84
24	4992	122	671	5785	1438	110	453	2355	2279	-262	-161	9908	0	9908	1512	11420	50.08
MUs	131.75	6.51	16.06	154.32	36.32	1.89	12.30	69.40	66.24	-6.85	-5.12	266.12	38.25	304.37	42.60	346.97	49.91

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 14/Dec/2010

Position as on 6.30 Hrs of 15/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
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
Parli Unit 2	30	11/12/2010	23.51		Continued.	Annual Overhaul.	
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.	15/12/2010
Koyana Unit 7	80	07/12/2010	18.54	14/12/2010	19.15	Turbine Guide Bearing oil level too low.	
Koradi Unit 4	115	12/12/2010	22.20		Continued.	Bearing Vibration.	
Parli Unit 1	30	15/12/2010	04.31		Continued.	W/Dn.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Dec/2010

Position as on 6.30 Hrs of 15/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		
Wardha - Akola - I	06/12/2010	23.13		Continued.	Over Voltage.
Dhule - S'Sarovar- II	13/12/2010	20.06	14/12/2010	11.26	Over Voltage.
Kolhapur-Mapusa-II	13/12/2010	20.11		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	14/12/2010	19.26		Continued.	Over Voltage.
Dhule - S'Sarovar- II	14/12/2010	22.47		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.
Karad-Lamboti	14/12/2010	09.32	14/12/2010	18.44	Erection of Tower at Loc.No.321 for 400KV Jaigad-Karad D/C line.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17	14/12/2010	15.10	Dismantling of existing ICT and commissioning of New 200MVA ICT(New ICT Taken on humming at 18.52hrs on dated 10/12/2010)
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
220/100KV 125 MVA ICT- III @ Kalwa	14/12/2010	08.39		Continued.	For augumentation from 125MVA to 200MVA.
Mudshingi - Chikodi	14/12/2010	09.00	14/12/2010	17.30	C.B.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	13/12/2010	18.48	14/12/2010	08.57	Over Voltage.
Bhusawal- Aurangabad	13/12/2010	22.30	14/12/2010	06.11	Over Voltage.
Bablswr-Padgha Ckt I	14/12/2010	12.48	14/12/2010	17.14	Due to sparking of R-Ph line isolator.
Karad - Kolhapur - I	14/12/2010	14.16	14/12/2010	14.26	Due to R-Ph Isolator sparking.
Karad-Kolhapur-II	14/12/2010	19.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	14/12/2010	23.05	15/12/2010	06.09	Over Voltage.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/12/2010	16.30		Continued.	Hand Tripped,From Kalwa End.
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.
Vita-Maisal	13/12/2010	13.38	14/12/2010	03.10	Distance Protection.
Trombay - Tifil	13/12/2010	20.06	14/12/2010	00.21	R to B-Ph, Z-I.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani - Pathri	14/12/2010	02.18	14/12/2010	02.36	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	60
Unit 3	105	62
Unit 4	105	0
Unit 5	200	130
Unit 6	210	148
Unit 7	210	148
	1040	623
Bhusawal		
Unit 1	58	45
Unit 2	210	184
Unit 3	210	200
	478	429
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	162
Unit 4	210	183
Unit 5	210	0
Unit 6	250	245
Unit 7	250	251
	1190	841
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	205
Unit 4	210	190
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2065
Paras		
Unit 2	55	0
Unit 3	250	230
Unit 4	250	200
	555	430
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	200
Unit 4	210	180
	840	800
Nasik		
Unit 1	120	85
Unit 2	120	0
Unit 3	210	210
Unit 4	210	200
Unit 5	210	190
	870	685
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
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	5
BHIRA T.R.	80	60
RNGR+BHTSA	20	18
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	168
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	1581
	960	1581
Tata		
Trombay 4	150	0
Trombay 5	500	60
Trombay 6	500	120
Trombay 7A	120	500
Trombay 7B	60	500
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3266
	3143	3266

	17376	15075
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