



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Dec/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.731	1890.839	1) Madhya Pradesh	45.676	798.124
2) Hydro	6.567	110.244	2) Gujrat	16.714	228.742
3) Gas	15.689	233.626	3) Goa	-6.106	-90.818
Total MSGENCO	151.987	2234.709	4) TAPS 1&2 (Inj.)	7.837	115.549
B) OTHERS			5) Pench (Excess)	-0.160	-3.052
1) RGPPL Gas	36.297	515.421	# Total Cent. Sector	63.961	1048.545
2) Wind Generation	3.518	53.324	F) Other Exchanges		
3) CPP / IPP	12.734	174.585	1) With TPCL (Excess)	-3.694	-162.326
4) PENCH (MS)	0.160	3.052	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.548	31.677
1) TPCL Thermal	23.248	355.342	Include PX	0.000	0.000
2) TPCL Hydro	4.127	45.653	2) MUMBAI Bilateral	4.568	174.202
TOTAL TPCL	27.375	400.995	Include PX	0.215	62.103
3) REL Thermal	12.633	134.022	3) MUMBAI Schedule	4.568	174.202
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	165.612	2380.203	1) MSEDCL	264.963	3867.310
2) Hydro (A2+B3+C2)	10.854	158.949	2) TPCL	29.459	479.763
3) Gas (A3+B1)	51.986	749.047	3) REL	14.246	217.212
4) Wind (B2)	3.518	53.324	TOTAL STATE	308.668	4564.285
5) CPP (B3)	12.734	174.585			
TOTAL STATE	244.704	3516.108			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5728	5363	4937
MSGENCO Hydro	253	749	123
MSGENCO Gas	663	646	675
MSGENCO Total Generation	6644	6758	5735
Central Sector Receipt	3201	3051	1555
RGPPL	1545	1539	1437
WIND	155	99	183
CPP / IPP	620	501	486
Exchange with Mumbai	-196	-308	65
MSEDCL DEMAND MET	11991	11650	9461
Load Shedding	2868	3853	0
MSEDCL DEMAND (INCL. LS)	14859	15503	9461
TPCL GENERATION	1351	1506	726
REL GENERATION	522	527	528
TPCL+REL DEMAND	2069	2341	1189
STATE DEMAND MET	14060	13991	10650
STATE DEMAND (INCL. LS)	16928	17844	10650
Frequency (Hz)	49.75	49.88	49.96
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3952 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			47.12 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 15:05 Hrs	49.25 Hz at 09:05 Hrs	49.85	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 15/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.60	20.96	80	53	75
Unit 2	1.47	19.42	74	47	60
Unit 3	1.43	18.34	65	53	62
Unit 4	0.00	14.68	0	0	0
Unit 5	3.51	39.44	169	132	130
Unit 6	3.22	48.11	155	116	148
Unit 7	3.42	50.64	160	110	148
	14.66	211.59			623
Bhusawal					
Unit 1	0.41	13.79	45	0	45
Unit 2	2.68	61.97	195	0	184
Unit 3	4.31	65.45	200	165	200
	7.40	141.20			429
Parli					
Unit 1	0.08	7.29	22	0	0
Unit 2	0.00	5.46	0	0	0
Unit 3	4.03	60.57	183	143	162
Unit 4	4.39	63.46	198	155	183
Unit 5	0.00	0.00	0	0	0
Unit 6	5.28	70.84	243	179	245
Unit 7	5.47	74.82	257	182	251
	19.25	282.44			841
Chandrapur					
Unit 1	3.74	53.63	171	148	160
Unit 2	3.41	52.54	160	124	160
Unit 3	4.62	66.84	208	165	205
Unit 4	4.65	66.50	203	178	190
Unit 5	10.38	154.14	485	350	450
Unit 6	9.91	147.02	435	360	450
Unit 7	10.02	139.68	440	375	450
	46.73	680.36			2065
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.83	70.56	230	101	230
Unit 4	4.68	74.15	229	154	200
	9.51	144.71			430
Khaparkheda					
Unit 1	4.62	69.57	210	170	210
Unit 2	4.61	60.86	204	171	210
Unit 3	4.59	66.14	206	170	200
Unit 4	4.29	52.38	184	160	180
	18.11	248.95			800
Nasik					
Unit 1	0.63	11.86	88	0	85
Unit 2	0.00	0.00	0	0	0
Unit 3	4.39	55.71	205	160	210
Unit 4	4.69	64.68	209	166	200
Unit 5	4.37	49.34	197	167	190
	14.08	181.59			685
Koyna					
Stage 1-2	2.10	34.72	225	40	600
Stage 4	0.20	16.57	109	0	250
Stage 3	0.64	11.42	204	0	320
	2.94	62.72			1170
Kovna 12&4 Total	2.30	51.29			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.69	233.63	680	625	640	
	15.69	233.63			640	
Hydro						
KDPH	0.00	1.37	0	0	0	
VTRNA	0.00	0.00	0	0	0	
TILLARI	0.36	5.58	60	0	60	
BHTGR/VEER	0.15	1.69	7	6	5	
BHIRA T.R.	0.20	2.65	60	0	60	
RNGR+BHTSA	0.43	6.12	18	17	18	
BHANDARDRA	0.00	0.93	0	0	0	
ELDARY	0.36	2.41	15	15	15	
SMLHY PTN	1.11	10.04	55	43	10	
GHATGHAR	1.02	16.74	250	0	0	
	3.62	47.53			168	
PENCH (MS)						
Pench (MS)	0.16	3.05	50	0		
	0.16	3.05				
Wind						
MalharPeth	0.16	2.21				
Vankuswadi	0.41	6.32				
ATIT	0.05	1.44				
Kale	0.13	2.07				
Satara	0.56	3.82				
Shirala	0.16	2.36				
K Mahankal	0.02	3.63				
Supa	0.04	1.68				
Vita	0.91	11.93				
Dondaicha	0.56	9.90				
Sakri	0.10	1.58				
Nandurbar	0.05	1.04				
Khandke	0.28	3.62				
Khaparale	0.09	1.72				
	3.52	53.32				
CPP						
TOTAL CPP	12.73	174.58				
	12.73	174.58				
Dabhol						
RGPPL	36.30	515.42	1561	1435	1581	
	36.30	515.42			1581	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	9.98	147.16	490	275	60	
Trombay 6	3.60	62.92	150	150	120	
Trombay 7A	2.97	44.28	128	120	500	
Trombay 7B	1.46	22.70	69	0	500	
Trombay 8	5.25	78.28	250	150	250	
TATA Hydro	4.13	45.65	428	0	447	
	27.38	401.00			1877	
REL						
1&2	12.63	134.02	530	515	500	
	12.63	134.02			500	
Cent Sect						
Share					3266	
					3266	
MS PG CL	Thermal	129.73	1890.84		5873	
	Thml+Gas	145.42	2124.46		6513	
	Hydro	6.57	110.24		1338	
	Total	151.99	2234.71		7851	
State Total		244.70	3516.11		15075	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4975	138	673	5786	1438	157	489	1783	1555	-14	4	9429	0	9429	1280	10709	49.87
2	4937	123	675	5735	1437	183	486	1611	1555	86	65	9461	0	9461	1189	10650	49.96
3	4964	127	676	5767	1438	209	488	1611	1643	86	78	9623	0	9623	1178	10801	50.00
4	5105	137	679	5921	1439	230	487	1634	1773	63	95	9945	0	9945	1172	11117	50.10
5	5529	137	678	6344	1435	254	488	1735	1738	63	83	10342	0	10342	1241	11583	49.90
6	5690	152	678	6520	1529	259	580	2193	2081	63	48	11017	0	11017	1253	12270	49.82
7	5733	177	680	6590	1561	251	624	2847	2571	13	15	11612	1081	12693	1349	14042	49.71
8	5750	127	678	6555	1561	233	615	2939	2768	-59	-29	11703	2542	14245	1557	15802	49.75
9	5710	235	664	6609	1548	180	620	2975	2772	-110	-77	11652	2644	14296	1824	16120	49.64
10	5728	253	663	6644	1545	155	620	3235	3201	-244	-196	11991	2868	14859	2069	16928	49.75
11	5686	197	647	6530	1541	183	623	3454	2872	-334	-277	11495	2860	14355	2238	16593	49.79
12	5575	229	632	6436	1533	173	536	3450	3077	-334	-268	11490	2707	14197	2268	16465	49.74
13	5615	227	630	6472	1529	76	540	3446	3486	-334	-274	11829	2702	14531	2246	16777	49.73
14	5536	266	629	6431	1529	56	535	3446	3517	-334	-276	11792	2643	14435	2165	16600	49.83
15	5425	478	638	6541	1524	30	537	3309	3303	-334	-281	11654	2794	14448	2164	16612	49.82
16	5186	545	625	6356	1527	38	529	3176	3402	-334	-279	11573	2949	14522	2171	16693	49.88
17	5189	590	626	6405	1529	42	539	3178	3173	-334	-279	11409	2838	14247	2179	16426	49.85
18	5301	747	635	6683	1532	72	533	3180	3390	-334	-280	11930	3097	15027	2202	17229	49.81
19	5363	749	646	6758	1539	99	501	3131	3051	-334	-308	11650	3853	15503	2341	17844	49.88
20	5363	362	645	6370	1538	110	476	3215	2943	-334	-310	11177	3920	15097	2309	17406	49.79
21	5390	190	644	6224	1539	104	480	3251	2951	-334	-291	11055	3318	14373	2131	16504	49.76
22	5420	132	648	6200	1554	129	463	2921	2666	-334	-275	10741	2911	13652	1906	15558	50.00
23	5360	122	649	6131	1492	144	468	2736	2519	-340	-277	10477	0	10477	1752	12229	49.88
24	5201	127	651	5979	1460	155	477	2259	1954	-164	-105	9920	0	9920	1518	11438	50.03
MUs	129.7 3	6.57	15.69	151.99	36.30	3.52	12.73	66.72	63.96	-4.57	-3.69	264.97	45.73	310.69	43.70	354.40	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 15/Dec/2010

Position as on 6.30 Hrs of 16/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	16/12/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	16/12/2010
Koradi Unit 4	115	12/12/2010	22.20		Continued.	Bearing Vibration.	
Parli Unit 1	30	15/12/2010	04.31		Continued.	W/Dn.	
Nasik Unit 1	125	15/12/2010	07.35		Continued.	Boiler tube leakage.	18/12/2010
Bhusawal Unit 1	58	15/12/2010	10.40		Continued.	Coal Mill problem.	17/12/2010
Koyna Unit 7	80	15/12/2010	14.07	15/12/2010	15.55	Turbine guide bearing oil level cleaning.	
Bhusawal Unit 2	210	15/12/2010	15.02		Continued.	ID fan problem.	17/12/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2010

Position as on 6.30 Hrs of 16/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	06/12/2010	23.13	15/12/2010	16.31	Over Voltage.
Kolhapur-Mapusa-II	13/12/2010	20.11		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	14/12/2010	19.26	15/12/2010	10.05	Over Voltage.
Dhule - S'Sarovar- II	14/12/2010	22.47		Continued.	Over Voltage.
Wardha - Akola - II	15/12/2010	21.41		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	15/12/2010	22.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Boiser-Taps	15/12/2010	13.42	15/12/2010	14.11	Distance protection Z 1,B-E.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus - I @ Kolhapur	14/12/2010	15.02		Continued.	Isolator alignment and testing work.
Karad-Lamboti	15/12/2010	07.31	15/12/2010	17.16	Errection of Tower At Loc.321 for Karad-Jaigad D/C line.
400/220 KV 315 MVA ICT-II @ Kharghar	15/12/2010	10.00		Continued.	HV side taken on TBC for CB Testing.
Kolhapur TBC	15/12/2010	13.15		Continued.	CT tan delta testing work.
Lonikand- Koyna Stage IV	15/12/2010	14.35	15/12/2010	18.31	Own breaker work.Line on TBC
M.B-II At 400KV Parli	16/12/2010	05.45		Continued.	Gear Box replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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.
Talangade-Mudshingi-II	15/12/2010	08.40	15/12/2010	16.45	Insulator replacement
Girwali - Parly - IV	15/12/2010	09.02	15/12/2010	21.58	Replacement of LAs and CTs under LES.
220/132 KV 150 MVA ICT - IV @ Bale	15/12/2010	10.00	15/12/2010	16.40	Q.M.Work
New Parli -Beed - II	15/12/2010	10.30	15/12/2010	13.20	Q.M.Work
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(Six month outage.)
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
TBC AT 400KV Bhusawal-II	15/12/2010	08.55		Continued.	Replacement of Aux.bus isolator.Work up to 17.12.2010.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Badnera - Akola - I	15/12/2010	22.52		Continued.	To attend main CB air pressure leakage problem.Ckt taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	14/12/2010	19.26	15/12/2010	06.30	Over Voltage.
Bhusawal- Aurangabad	14/12/2010	23.05	15/12/2010	06.09	Over Voltage.
Karad - Kolhapur - I	15/12/2010	20.45		Continued.	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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2010

Position as on 6.30 Hrs of 16/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
220/132 KV,200 MVA ICT-II At Chalisgaon	15/12/2010	14.30	15/12/2010	20.38	Tripped on R-E.F protection(Restricted E/F protection)
Miraj-Maisal	16/12/2010	04.26	16/12/2010	05.10	Distance protection.
Vita-Maisal	16/12/2010	04.26	16/12/2010	05.10	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33KV,50 MVA T/F.I At Narayangaon	15/12/2010	13.45	15/12/2010	14.00	33KV GMRT Br B pole burst.Both T/F trip on Y and B ph.E/F.
132/33 KV,50 MVA T/F.II At Narayangaon.	15/12/2010	13.45	15/12/2010	14.05	33KV GMRT Br B pole burst.Both T/F trip on Y and B ph.E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	60
Unit 3	105	65
Unit 4	105	0
Unit 5	200	130
Unit 6	210	130
Unit 7	210	130
	1040	575
Bhusawal		
Unit 1	58	0
Unit 2	210	0
Unit 3	210	180
	478	180
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	180
Unit 4	210	190
Unit 5	210	0
Unit 6	250	190
Unit 7	250	240
	1190	800
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	190
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1980
Paras		
Unit 2	55	0
Unit 3	250	230
Unit 4	250	120
	555	350
Khaparkheda		
Unit 1	210	210
Unit 2	210	205
Unit 3	210	180
Unit 4	210	180
	840	775
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	200
Unit 4	210	200
Unit 5	210	190
	870	590
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	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	18
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	191
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	1570
	960	1570
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	500
	500	500
Cent Sect		
Share	3143	3352
	3143	3352

	17376	7 of 7	14540
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