



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Dec/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.114	1629.351	1) Madhya Pradesh	50.389	703.931
2) Hydro	5.142	97.169	2) Gujrat	16.330	196.144
3) Gas	16.281	201.880	3) Goa	-6.141	-78.857
Total MSGENCO	148.537	1928.400	4) TAPS 1&2 (Inj.)	7.875	99.844
B) OTHERS			5) Pench (Excess)	-0.119	-2.715
1) RGPPL Gas	36.219	442.805	# Total Cent. Sector	68.334	918.347
2) Wind Generation	1.180	47.919	F) Other Exchanges		
3) CPP / IPP	13.214	149.550	1) With TPCL (Excess)	-4.814	-153.512
4) PENCH (MS)	0.119	2.715	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.548	20.581
1) TPCL Thermal	21.766	310.234	Include PX	0.000	0.000
2) TPCL Hydro	2.728	37.855	2) MUMBAI Bilateral	6.784	162.789
TOTAL TPCL	24.494	348.089	Include PX	0.000	61.888
3) REL Thermal	12.268	109.440	3) MUMBAI Schedule	6.784	162.789
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	161.148	2049.025	1) MSEDCL	262.789	3336.224
2) Hydro (A2+B3+C2)	7.989	137.739	2) TPCL	28.387	421.351
3) Gas (A3+B1)	52.500	644.685	3) REL	13.188	189.320
4) Wind (B2)	1.180	47.919	TOTAL STATE	304.364	3946.895
5) CPP (B3)	13.214	149.550			
TOTAL STATE	236.031	3028.918			

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	5364	5520	4670
MSGENCO Hydro	214	706	112
MSGENCO Gas	669	666	686
MSGENCO Total Generation	6247	6892	5468
Central Sector Receipt	3371	3098	1922
RGPPL	1559	1558	1434
WIND	27	63	89
CPP / IPP	620	545	496
Exchange with Mumbai	-401	-378	152
MSEDCL DEMAND MET	11423	11787	9561
Load Shedding	2746	3570	0
MSEDCL DEMAND (INCL. LS)	14169	15357	9561
TPCL GENERATION	1263	1299	778
REL GENERATION	526	512	519
TPCL+REL DEMAND	2190	2189	1145
STATE DEMAND MET	13613	13976	10706
STATE DEMAND (INCL. LS)	16359	17546	10706
Frequency (Hz)	49.99	49.92	50.23
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3525 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			41.19 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 02.05 Hrs	49.47 Hz at 22.36 Hrs	50	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 13/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.05	17.85	42	0	0
Unit 2	1.75	16.35	86	63	75
Unit 3	1.50	15.43	71	49	70
Unit 4	0.00	14.68	0	0	0
Unit 5	3.29	32.67	152	127	130
Unit 6	3.23	41.77	162	118	140
Unit 7	3.19	43.90	155	115	130
	13.01	182.65			545
Bhusawal					
Unit 1	1.00	12.38	48	36	45
Unit 2	4.25	54.98	190	160	185
Unit 3	4.36	56.62	200	165	200
	9.60	123.98			430
Parli					
Unit 1	0.49	6.71	23	18	20
Unit 2	0.00	5.46	0	0	0
Unit 3	4.06	52.51	180	149	180
Unit 4	4.22	54.78	190	152	175
Unit 5	0.00	0.00	0	0	0
Unit 6	5.16	60.97	243	170	215
Unit 7	5.13	63.99	248	174	200
	19.06	244.42			790
Chandrapur					
Unit 1	3.66	46.32	161	142	160
Unit 2	3.62	45.51	166	129	160
Unit 3	4.55	57.64	204	153	200
Unit 4	4.38	57.35	196	155	190
Unit 5	10.14	133.06	475	325	425
Unit 6	9.72	127.09	455	330	450
Unit 7	9.18	120.10	410	356	380
	45.24	587.06			1965
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.59	61.26	242	161	250
Unit 4	5.02	64.84	243	165	250
	9.61	126.11			500
Khaparkheda					
Unit 1	4.36	60.48	210	155	210
Unit 2	4.31	51.58	200	140	200
Unit 3	4.66	57.14	205	176	200
Unit 4	4.15	44.04	181	147	180
	17.47	213.24			790
Nasik					
Unit 1	2.07	9.12	96	72	71
Unit 2	0.00	0.00	0	0	0
Unit 3	4.46	46.82	210	165	192
Unit 4	4.39	55.36	203	158	172
Unit 5	2.19	40.59	190	0	0
	13.12	151.89			435
Koyna					
Stage 1-2	1.42	30.72	115	35	520
Stage 4	0.00	16.37	0	0	250
Stage 3	0.19	10.31	166	0	320
	1.60	57.40			1090
Kovna 12&4 Total	1.42	47.10			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.28	201.88	690	665	630	
	16.28	201.88			630	
Hydro						
KDPH	0.00	1.37	0	0	19	
VTRNA	0.00	0.00	0	0	0	
TILLARI	0.39	4.84	60	0	60	
BHTGR/VEER	0.09	1.44	4	3	4	
BHIRA T.R.	0.10	2.28	40	0	80	
RNGR+BHTSA	0.44	5.26	19	18	19	
BHANDARDRA	0.00	0.93	0	0	0	
ELDARY	0.36	1.69	16	15	0	
SMLHY PTN	0.81	7.89	43	30	25	
GHATGHAR	1.34	14.07	250	0	0	
	3.54	39.77			207	
PENCH (MS)						
Pench (MS)	0.12	2.72	50	0	0	
	0.12	2.72			0	
Wind						
MalharPeth	0.04	1.88				
Vankuswadi	0.18	5.64				
ATIT	0.02	1.33				
Kale	0.04	1.87				
Satara	0.03	3.12				
Shirala	0.05	2.07				
K Mahankal	0.12	3.51				
Supa	0.03	1.57				
Vita	0.17	10.46				
Dondaicha	0.25	9.30				
Sakri	0.06	1.47				
Nandurbar	0.02	0.98				
Khandke	0.15	3.12				
Khaparale	0.01	1.60				
	1.18	47.92				
CPP						
TOTAL CPP	13.21	149.55				
	13.21	149.55				
Dabhol						
RGPPL	36.22	442.80	1582	1433	1560	
	36.22	442.80			1560	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	8.18	128.85	460	265	500	
Trombay 6	3.60	55.72	150	150	500	
Trombay 7A	3.05	38.31	130	125	120	
Trombay 7B	1.63	19.62	69	67	60	
Trombay 8	5.30	67.74	252	155	250	
TATA Hydro	2.73	37.86	305	0	447	
	24.49	348.09			1877	
REL						
1&2	12.27	109.44	529	459	500	
	12.27	109.44			500	
Cent Sect						
Share					3372	
					3372	
MS PG CL	Thermal	127.11	1629.35		5455	
	Thml+Gas	143.40	1831.23		6085	
	Hydro	5.14	97.17		1297	
	Total	148.54	1928.40		7382	
State Total		236.03	3028.92		14691	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4817	117	687	5621	1435	153	498	2010	1983	-105	34	9724	0	9724	1240	10964	50.10
2	4670	112	686	5468	1434	89	496	1834	1922	-5	152	9561	0	9561	1145	10706	50.23
3	4666	107	686	5459	1435	85	495	1834	2035	-5	190	9699	0	9699	1111	10810	50.35
4	4648	112	686	5446	1434	66	496	1858	2280	-30	169	9891	0	9891	1096	10987	50.29
5	4732	107	686	5525	1433	45	499	1858	2492	-30	159	10153	0	10153	1107	11260	50.08
6	5216	117	690	6023	1536	43	514	2166	2417	-30	109	10642	0	10642	1163	11805	50.02
7	5395	117	690	6202	1577	38	563	2811	2926	-32	-69	11237	155	11392	1405	12797	49.84
8	5478	117	689	6284	1582	42	574	2938	3156	-60	-54	11584	1756	13340	1495	14835	50.06
9	5404	153	688	6245	1567	23	589	2999	2986	-135	-123	11287	2480	13767	1739	15506	49.81
10	5358	238	682	6278	1562	20	600	3340	3384	-350	-329	11515	2738	14253	1994	16247	49.90
11	5326	179	680	6185	1564	25	601	3559	3099	-441	-415	11059	2980	14039	2181	16220	50.02
12	5364	214	669	6247	1559	27	620	3551	3371	-441	-401	11423	2746	14169	2190	16359	49.99
13	5423	148	676	6247	1547	30	627	3536	3382	-441	-391	11442	2699	14141	2157	16298	49.87
14	5455	113	669	6237	1553	31	611	3534	3550	-441	-377	11605	2576	14181	2057	16238	50.09
15	5384	183	670	6237	1547	29	603	3396	3332	-441	-376	11372	2707	14079	2058	16137	49.97
16	5426	298	669	6393	1544	29	597	3263	3259	-441	-381	11441	2667	14108	2046	16154	49.91
17	5501	374	670	6545	1548	32	588	3265	3340	-441	-379	11674	2557	14231	2036	16267	49.92
18	5511	411	670	6592	1552	43	576	3268	3420	-441	-381	11802	2637	14439	2070	16509	49.92
19	5520	706	666	6892	1558	63	545	3213	3098	-443	-378	11787	3570	15357	2189	17546	49.92
20	5545	468	665	6678	1469	54	507	3347	2755	-443	-381	11102	3699	14801	2146	16947	49.84
21	5618	407	672	6697	1445	63	501	3442	2846	-443	-377	11225	2785	14010	1983	15993	49.93
22	5578	123	675	6376	1445	48	515	3082	2844	-443	-363	10902	129	11031	1837	12868	50.01
23	5574	103	678	6355	1445	56	502	2912	2518	-438	-317	10562	0	10562	1676	12238	49.76
24	5509	118	682	6309	1448	46	497	2420	1941	-262	-135	10106	0	10106	1455	11561	50.12
MUs	127.1 2	5.14	16.28	148.54	36.22	1.18	13.21	69.44	68.34	-6.78	-4.81	262.80	38.88	301.68	41.58	343.25	50.00

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 13/Dec/2010

Position as on 6.30 Hrs of 14/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
Koyna Unit 7	80	07/12/2010	18.54		Continued.	Turbine Guide Bearing oil level too low.	14/12/2010
Nasik Unit 5	210	10/12/2010	00.08	13/12/2010	07.50	Boiler Tube Leakage.	
Koradi Unit 4	115	12/12/2010	22.20		Continued.	Bearing Vibration.	
Koradi Unit 1	105	13/12/2010	00.35	13/12/2010	23.32	Suspected Burning of Instrumental Cable.	
Nasik Unit 5	210	13/12/2010	08.50	13/12/2010	10.50	Main Steam Temp.Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Dec/2010

Position as on 6.30 Hrs of 14/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		
Kolhapur - Mapusa - I	06/12/2010	09.14	13/12/2010	16.06	Over Voltage.
Wardha - Akola - I	06/12/2010	23.13		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	10/12/2010	22.44	13/12/2010	10.31	Over Voltage.
Dhule - S'Sarovar- II	13/12/2010	20.06		Continued.	Over Voltage.
Kolhapur-Mapusa-II	13/12/2010	20.11		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.
400/220KV 500MVA ICT II at Kalwa	13/12/2010	14.12	13/12/2010	18.02	To attend Nitrogen leakage in CTR.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
Main Bus - II Talangde	06/12/2010	10.35	13/12/2010	09.47	Alignment of isolator and testing work of equip.for 400 KV Solapur.
Pedambe-Mahad	13/12/2010	08.50	13/12/2010	18.35	Replacement of Isolator.
Apta - Taloja	13/12/2010	09.00	13/12/2010	16.00	R.M.Work
Mudshini - Talangade - II	13/12/2010	09.03	13/12/2010	17.41	Replacement of Isolator.
220/132 KV 150 MVA T/F @ Boiser	13/12/2010	09.12	13/12/2010	15.40	Hot Spot and OLTC Work.
Paras - Akola - II	13/12/2010	09.56	13/12/2010	16.07	Main Bkr.Overhaul work.Ckt was on TBC.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
600 MVA 21/400 KV GT VII at Chandrapur	13/12/2010	09.03	13/12/2010	11.58	To attend air leakage of main CB,GTR-7 was on TBC.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Shendra-Jalna Ckt.	13/12/2010	11.23	13/12/2010	12.56	To attend sparking on Y-Ph Bus Isolator.
Chandrapur - Chandrapur MIDC	13/12/2010	14.38	13/12/2010	16.43	To attend SF6 gas leakage of Main CB.Ckt.was on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	12/12/2010	20.00	13/12/2010	05.59	Over Voltage.
Karad - Kolhapur - II	12/12/2010	23.47	13/12/2010	10.02	Over Voltage.
Karad - Kolhapur - I	13/12/2010	18.48		Continued.	Over Voltage.
Bhusawal- Aurangabad	13/12/2010	22.30	14/12/2010	06.11	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Ranjangaon	13/12/2010	10.02	13/12/2010	22.34	Control ICT LOading.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/12/2010	16.30		Continued.	Hand Tripped,From Kalwa End.
Voltage Level : 400KV			Outage Type TRIPPED		
Bablsr-Padgha Ckt I	13/12/2010	18.16	13/12/2010	18.36	R-Ph to E/F.
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	01/12/2010	12.42		Continued.	T/F declared as Failed.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Dec/2010

Position as on 6.30 Hrs of 14/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
IV at Jamde					
Babaleshwar - Ranjangaon	12/12/2010	23.01	13/12/2010	01.25	Distance Protection.
Vita-Maisal	13/12/2010	13.38	14/12/2010	03.10	Distance Protection.
Pophali - KDPH	13/12/2010	19.27	13/12/2010	20.30	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		
Paras - Akot	13/12/2010	17.57	13/12/2010	18.20	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	65
Unit 4	105	0
Unit 5	200	130
Unit 6	210	150
Unit 7	210	140
	1040	625
Bhusawal		
Unit 1	58	45
Unit 2	210	180
Unit 3	210	200
	478	425
Parli		
Unit 1	30	19
Unit 2	30	0
Unit 3	210	170
Unit 4	210	185
Unit 5	210	0
Unit 6	250	240
Unit 7	250	250
	1190	864
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	170
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	375
	2340	1935
Paras		
Unit 2	55	0
Unit 3	250	200
Unit 4	250	200
	555	400
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	190
Unit 5	210	190
	870	675
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	40
RNGR+BHTSA	20	10
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	19
GHATGHAR	250	0
	611	149
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	1580
	960	1580
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	60
Trombay 7B	60	120
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3366
	3143	3366

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