



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Dec/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.298	2390.087	1) Madhya Pradesh	35.483	967.239
2) Hydro	4.867	132.522	2) Gujrat	17.367	294.358
3) Gas	16.058	292.374	3) Goa	-5.794	-116.679
Total MSGENCO	143.223	2814.983	4) TAPS 1&2 (Inj.)	7.861	146.786
B) OTHERS			5) Pench (Excess)	-0.079	-3.534
1) RGPPL Gas	34.191	658.747	# Total Cent. Sector	54.838	1288.170
2) Wind Generation	12.886	74.496	F) Other Exchanges		
3) CPP / IPP	20.685	239.687	1) With TPCL (Excess)	-0.765	-175.150
4) PENCH (MS)	0.079	3.534	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.548	53.395
1) TPCL Thermal	22.959	445.905	Include PX	0.000	0.000
2) TPCL Hydro	0.115	56.769	2) MUMBAI Bilateral	1.194	188.576
TOTAL TPCL	23.074	502.674	Include PX	-0.954	61.898
3) REL Thermal	12.658	184.683	3) MUMBAI Schedule	1.194	188.576
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	157.915	3020.675	1) MSEDCL	265.137	4904.467
2) Hydro (A2+B3+C2)	5.061	192.825	2) TPCL	24.502	590.724
3) Gas (A3+B1)	50.249	951.121	3) REL	11.996	271.404
4) Wind (B2)	12.886	74.496	TOTAL STATE	301.635	5766.595
5) CPP (B3)	20.685	239.687			
TOTAL STATE	246.796	4478.804			

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	5548	5217	4692
MSGENCO Hydro	219	621	94
MSGENCO Gas	679	655	688
MSGENCO Total Generation	6446	6493	5474
Central Sector Receipt	2747	2995	1306
RGPPL	1431	1413	1433
WIND	657	360	428
CPP / IPP	930	887	797
Exchange with Mumbai	20	-239	46
MSEDCL DEMAND MET	12231	11909	9484
Load Shedding	2512	3232	0
MSEDCL DEMAND (INCL. LS)	14743	15141	9484
TPCL GENERATION	1055	1026	795
REL GENERATION	528	528	529
TPCL+REL DEMAND	1563	1793	1278
STATE DEMAND MET	13794	13702	10762
STATE DEMAND (INCL. LS)	16306	16934	10762
Frequency (Hz)	49.93	49.97	50.18
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3195 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			28.24 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.6 Hz at 05.07 Hrs	49.52 Hz at 11.46 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 19/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.70	27.51	80	65	70
Unit 2	1.72	26.10	83	65	70
Unit 3	0.00	21.04	0	0	0
Unit 4	0.00	14.68	0	0	0
Unit 5	3.59	53.57	160	133	150
Unit 6	3.58	61.44	181	128	150
Unit 7	3.78	65.17	180	130	160
	14.38	269.50			600
Bhusawal					
Unit 1	0.00	13.79	0	0	0
Unit 2	4.21	69.54	195	155	185
Unit 3	4.47	82.96	200	165	200
	8.68	166.28			385
Parli					
Unit 1	0.00	7.29	0	0	0
Unit 2	0.00	5.46	0	0	0
Unit 3	3.99	76.28	180	146	160
Unit 4	4.28	80.59	198	151	190
Unit 5	0.00	0.00	0	0	0
Unit 6	5.41	92.04	252	168	245
Unit 7	5.41	96.51	256	172	250
	19.09	358.16			845
Chandrapur					
Unit 1	3.63	68.65	165	145	155
Unit 2	3.63	67.04	158	138	155
Unit 3	4.58	85.58	208	153	205
Unit 4	4.46	83.36	200	160	200
Unit 5	9.94	196.04	480	330	450
Unit 6	9.97	187.82	460	341	450
Unit 7	4.05	174.33	440	0	450
	40.28	862.83			2065
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.15	88.65	221	151	160
Unit 4	3.48	87.71	195	78	150
	7.63	176.36			310
Khaparkheda					
Unit 1	4.50	88.55	210	160	210
Unit 2	4.57	79.09	208	174	210
Unit 3	4.44	84.26	198	172	200
Unit 4	4.08	69.18	184	137	180
	17.59	321.08			800
Nasik					
Unit 1	1.24	13.10	83	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.51	73.88	210	170	192
Unit 4	4.60	82.07	210	147	192
Unit 5	4.31	66.83	203	156	172
	14.66	235.88			556
Koyna					
Stage 1-2	1.29	41.00	215	35	600
Stage 4	0.00	17.06	0	0	0
Stage 3	0.45	13.20	160	0	320
	1.74	71.26			920
Koyna 12&4 Total	1.29	58.06			600

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran					
All Units	16.06	292.37	693	638	630
	16.06	292.37			630
Hydro					
KDPH	0.31	1.69	20	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	7.09	60	0	60
BHTGR/VEER	0.14	2.28	6	5	5
BHIRA T.R.	0.16	3.48	76	0	40
RNGR+BHTSA	0.39	7.74	17	16	17
BHANDARDRA	0.00	0.93	0	0	0
ELDARY	0.00	3.42	0	0	12
SMLHY PTN	0.96	14.49	49	36	0
GHATGHAR	0.79	20.14	250	0	0
	3.12	61.27			134
PENCH (MS)					
Pench (MS)	0.08	3.53	37	0	
	0.08	3.53			
Wind					
MalharPeth	0.60	3.09			
Vankuswadi	1.76	9.02			
ATIT	0.32	1.88			
Kale	0.83	3.25			
Satara	0.51	4.94			
Shirala	0.79	3.56			
K Mahankal	2.39	6.58			
Supa	0.14	1.95			
Vita	2.40	16.72			
Dondaicha	1.46	12.61			
Sakri	0.27	2.03			
Nandurbar	0.12	1.27			
Khandke	0.74	4.83			
Khaparale	0.56	2.75			
	12.89	74.50			
CPP					
TOTAL CPP	20.68	239.69			
	20.68	239.69			
Dabhol					
RGPPL	34.19	658.75	1442	1411	1567
	34.19	658.75			1567
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.33	184.86	490	280	500
Trombay 6	3.60	77.32	150	150	500
Trombay 7A	3.00	56.23	130	121	120
Trombay 7B	1.63	29.23	68	67	60
Trombay 8	5.40	98.26	250	150	250
TATA Hydro	0.12	56.77	60	0	447
	23.07	502.67			1877
REL					
1&2	12.66	184.68	529	526	500
	12.66	184.68			500
Cent Sect					
Share					3161
					3161
MS PG CL	Thermal	122.30	2390.09		5561
	Thml+Gas	138.36	2682.46		6191
	Hydro	4.87	132.52		1054
	Total	143.22	2814.98		7245
State Total		246.80	4478.80		14350

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	4811	104	685	5600	1442	403	788	2357	1465	65	49	9747	0	9747	1323	11070	50.05
2	4692	94	688	5474	1433	428	797	2056	1306	65	46	9484	0	9484	1278	10762	50.18
3	4641	99	689	5429	1431	476	797	1595	1352	65	51	9536	0	9536	1252	10788	50.17
4	4706	99	689	5494	1432	509	797	1459	1503	67	68	9803	0	9803	1236	11039	50.11
5	4794	119	688	5601	1432	565	794	1459	1536	67	52	9980	0	9980	1252	11232	50.11
6	5370	99	679	6148	1429	595	825	2014	1508	67	39	10544	0	10544	1265	11809	50.19
7	5449	99	686	6234	1430	609	910	2517	1905	269	233	11321	0	11321	1268	12589	50.03
8	5498	104	693	6295	1431	680	927	2573	2484	244	224	12041	955	12996	1321	14317	49.99
9	5623	133	691	6447	1430	622	929	2705	2187	102	81	11696	2383	14079	1472	15551	49.83
10	5548	219	679	6446	1431	657	930	2942	2747	2	20	12231	2512	14743	1563	16306	49.93
11	5238	219	669	6126	1430	690	890	3123	2220	-44	-29	11327	2536	13863	1671	15534	49.80
12	5220	271	650	6141	1431	692	857	3123	2599	-44	-28	11692	2006	13698	1697	15395	49.80
13	5269	134	638	6041	1431	651	856	3126	2860	-44	-20	11819	1777	13596	1636	15232	49.76
14	5244	113	642	5999	1431	558	904	3185	3100	-104	-58	11934	1753	13687	1598	15285	49.92
15	5189	138	640	5967	1413	500	920	3052	3110	-104	-60	11850	2313	14163	1551	15714	49.92
16	5150	233	643	6026	1412	406	918	2904	2938	-104	-63	11637	2333	13970	1553	15523	49.98
17	5140	376	647	6163	1411	311	927	2941	2976	-104	-68	11720	2350	14070	1560	15630	49.99
18	5120	713	650	6483	1412	294	926	2946	3013	-104	-72	12056	2439	14495	1564	16059	49.94
19	5217	621	655	6493	1413	360	887	3082	2995	-292	-239	11909	3232	15141	1793	16934	49.97
20	5066	312	666	6044	1413	423	876	3217	2552	-292	-256	11052	3495	14547	1871	16418	50.06
21	5114	185	673	5972	1413	482	825	3220	2544	-292	-252	11017	1676	12693	1851	14544	49.99
22	5056	139	673	5868	1414	635	800	2955	2233	-292	-238	10749	0	10749	1797	12546	50.05
23	4695	122	673	5490	1418	686	804	2694	2153	-237	-173	10387	0	10387	1644	12031	50.04
24	4460	122	673	5255	1428	655	801	2247	1571	-157	-72	9638	0	9638	1481	11119	50.27
MUs	122.31	4.87	16.06	143.24	34.19	12.89	20.69	63.49	54.86	-1.19	-0.76	265.17	31.76	296.93	36.50	333.43	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 19/Dec/2010

Position as on 6.30 Hrs of 20/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	23/12/2010
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.	
Koyna ST-IV 1	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST-IV 2	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST - IV 3	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST - IV 4	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna Unit 1	75	19/12/2010	07.05	19/12/2010	17.05	Preventive Maint.	
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	22/12/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	25/12/2010
Koradi Unit 4	115	12/12/2010	22.20		Continued.	Bearing Vibration.	22/12/2010
Parli Unit 1	30	15/12/2010	04.31		Continued.	W/Dn.	
Nasik Unit 1	125	15/12/2010	07.35	19/12/2010	06.35	Boiler tube leakage.	
Bhusawal Unit 1	58	15/12/2010	10.40		Continued.	Coal Mill problem.	22/12/2010
Koradi Unit 3	105	17/12/2010	22.11		Continued.	Heavy Hydrogen leakage.	22/12/2010
Chandrapur Unit 7	500	19/12/2010	10.19		Continued.	Economiser Tube Leakage.	21/12/2010

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2010

Position as on 6.30 Hrs of 20/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 - II	15/12/2010	21.41		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	15/12/2010	22.04		Continued.	Over Voltage.
Dhule - S'Sarovar- II	18/12/2010	23.09		Continued.	Over Voltage
Kolhapur - Mapusa - I	18/12/2010	23.46		Continued.	Due to SF6 Gas Pressure Alarm
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	20/12/2010	03.05		Continued.	D.T.Received @ Akola end.
Wardha - Seoni	20/12/2010	03.05		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.
Main Bus - I @ Kolhapur	14/12/2010	15.02		Continued.	Isolator Alignment and Testing Work.
Kolhapur TBC	15/12/2010	13.15		Continued.	CT Tan Delta Testing Work.
Chandrapur 400 KV HVDC -II	18/12/2010	21.48	19/12/2010	00.45	To attend Hot Spot and R.M.work
Kalwa - Padgha - I	19/12/2010	09.13	19/12/2010	19.44	Replacement of Faulty Disc Insulator & Rusted Earthwire.
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.
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(Six Month Outage.)
Pedambe - Tambati	18/12/2010	08.30		Continued.	Overhauling of C B.
Kalwa - Borivali	19/12/2010	06.44	19/12/2010	11.22	Replacement of Old Jumper,R M Work.
Bhusawal-Chalisgaon-I	19/12/2010	07.54	19/12/2010	16.47	Line Work Loc. No.32 Near Bhusawal(For Deepnagar - Khadka
Bhusawal-Chalisgaon-II	19/12/2010	08.10	19/12/2010	17.03	Line Work Loc.No.32 Near Bhusawal (for Deepnagar - Khadka Line).
Apta-Nagothane	19/12/2010	08.11	19/12/2010	21.05	Replacement of Earthwire.
Kandalgaon - Pirangut	19/12/2010	08.16	19/12/2010	18.55	Stringing of Earthwire.
Tarapur - Zone - III	19/12/2010	09.51	19/12/2010	20.36	Repair Work of Main Bus Side Isolator.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kandalgaon-Mhasale	19/12/2010	10.25	19/12/2010	12.25	Red Hot Work Attending Y Ph Bus Isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/11.5KV 90 MVA STN T/F- V @ 400 KV Chandrapur	12/12/2010	08.00		Continued.	To Attend Oil Leakage
Karad-Kolhapur-II	18/12/2010	18.26	19/12/2010	07.32	Over Voltage.
Bhusawal- Aurangabad	18/12/2010	22.51	19/12/2010	06.01	Over Voltage
Lonikand- Koyna Stage IV	18/12/2010	23.21	19/12/2010	07.30	Over Voltage
New Koyna - Koyna Stage IV - II	18/12/2010	23.51	19/12/2010	07.35	Over Voltage
Karad - Kolhapur - I	19/12/2010	19.30		Continued.	Over Voltage.
Bhusawal- Aurangabad	19/12/2010	22.10	20/12/2010	05.56	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2010

Position as on 6.30 Hrs of 20/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	19/12/2010	22.34		Continued.	Over Voltage.
Karad-Lamboti	19/12/2010	22.43		Continued.	Over Voltage.
New Koyna - Koyna Stage IV - II	19/12/2010	23.52		Continued.	Over Voltage.
Dhule - Babhaleshwar - I	20/12/2010	00.52	20/12/2010	05.55	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 : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	19/12/2010	22.43	20/12/2010	06.07	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.
Sahara-B'dying	19/12/2010	03.55	19/12/2010	07.45	Distnace Protection, Y Ph Decapping.
Airoli-Knowledge park-Nasik	19/12/2010	07.20	19/12/2010	08.11	Crow Fault.
Kandalgaon - ONGC	19/12/2010	13.43	19/12/2010	14.33	Distnace Protection,R Ph to E.
ONGC-TSS	19/12/2010	13.43	19/12/2010	18.10	R Ph L A Burst @ TSS End.
Phursungi - Theur	20/12/2010	02.21	20/12/2010	02.44	Distnace Protection,B Ph - E.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	130
Unit 7	210	160
	1040	580
Bhusawal		
Unit 1	58	0
Unit 2	210	180
Unit 3	210	180
	478	360
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	172
Unit 4	210	160
Unit 5	210	0
Unit 6	250	245
Unit 7	250	230
	1190	807
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	200
Unit 4	210	195
Unit 5	500	450
Unit 6	500	450
Unit 7	500	0
	2340	1605
Paras		
Unit 2	55	0
Unit 3	250	190
Unit 4	250	160
	555	350
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	200
Unit 4	210	180
	840	800
Nasik		
Unit 1	120	76
Unit 2	120	0
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	870	632
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	153
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1450
	960	1450
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	3162
	3143	3162

	17376	7 of 7	13836
--	--------------	--------	--------------