



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Dec/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.625	1502.237	1) Madhya Pradesh	49.774	653.542
2) Hydro	5.168	92.027	2) Gujrat	14.699	179.814
3) Gas	16.229	185.599	3) Goa	-5.693	-72.716
Total MSGENCO	143.022	1779.863	4) TAPS 1&2 (Inj.)	7.875	91.969
B) OTHERS			5) Pench (Excess)	-0.133	-2.596
1) RGPPL Gas	36.300	406.586	# Total Cent. Sector	66.522	850.013
2) Wind Generation	4.446	46.739	F) Other Exchanges		
3) CPP / IPP	12.723	136.336	1) With TPCL (Excess)	-2.536	-148.698
4) PENCH (MS)	0.133	2.596	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.555	15.034
1) TPCL Thermal	20.471	288.468	Include PX	0.000	0.000
2) TPCL Hydro	0.047	35.127	2) MUMBAI Bilateral	4.351	156.005
TOTAL TPCL	20.518	323.595	Include PX	0.000	61.888
3) REL Thermal	12.558	97.172	3) MUMBAI Schedule	4.351	156.005
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	154.654	1887.877	1) MSEDCL	260.610	3073.435
2) Hydro (A2+B3+C2)	5.348	129.750	2) TPCL	24.106	392.964
3) Gas (A3+B1)	52.529	592.185	3) REL	11.505	176.132
4) Wind (B2)	4.446	46.739	TOTAL STATE	296.221	3642.531
5) CPP (B3)	12.723	136.336			
TOTAL STATE	229.700	2792.887			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5100	5165	4531
MSGENCO Hydro	288	414	120
MSGENCO Gas	675	673	677
MSGENCO Total Generation	6063	6252	5328
Central Sector Receipt	3476	3074	1977
RGPPL	1547	1556	1440
WIND	118	183	225
CPP / IPP	572	521	493
Exchange with Mumbai	-200	-290	63
MSEDCL DEMAND MET	11578	11304	9526
Load Shedding	2607	3487	0
MSEDCL DEMAND (INCL. LS)	14185	14791	9526
TPCL GENERATION	927	927	774
REL GENERATION	527	527	522
TPCL+REL DEMAND	1654	1744	1233
STATE DEMAND MET	13232	13048	10759
STATE DEMAND (INCL. LS)	15839	16535	10759
Frequency (Hz)	49.94	50.03	50.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3388 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			39.66 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.56 Hz at 16.04 Hrs	49.55 Hz at 00.10 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 12/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.46	17.80	66	53	60
Unit 2	1.35	14.60	63	47	55
Unit 3	0.77	13.93	64	0	0
Unit 4	1.29	14.68	70	0	35
Unit 5	3.18	29.38	147	111	120
Unit 6	3.16	38.54	150	110	130
Unit 7	3.20	40.70	150	125	125
	14.41	169.64			525
Bhusawal					
Unit 1	0.93	11.38	43	30	45
Unit 2	4.31	50.73	185	160	180
Unit 3	4.54	52.27	205	170	195
	9.77	114.38			420
Parli					
Unit 1	0.44	6.22	24	18	20
Unit 2	0.00	5.46	0	0	0
Unit 3	4.06	48.45	178	149	170
Unit 4	4.29	50.56	189	160	170
Unit 5	0.00	0.00	0	0	0
Unit 6	5.36	55.81	250	165	160
Unit 7	5.53	58.86	260	170	165
	19.67	225.36			685
Chandrapur					
Unit 1	3.61	42.66	159	135	150
Unit 2	3.57	41.88	160	127	160
Unit 3	2.96	53.08	195	54	200
Unit 4	4.31	52.97	192	150	190
Unit 5	10.01	122.92	455	325	450
Unit 6	9.53	117.37	465	295	425
Unit 7	10.40	110.92	475	365	450
	44.39	541.82			2025
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.35	56.67	235	139	230
Unit 4	4.63	59.82	241	119	250
	8.98	116.49			480
Khaparkheda					
Unit 1	4.90	56.12	210	190	200
Unit 2	0.38	47.27	136	0	0
Unit 3	4.19	52.49	205	150	155
Unit 4	3.95	39.90	181	147	150
	13.43	195.77			505
Nasik					
Unit 1	1.92	7.05	91	56	71
Unit 2	0.00	0.00	0	0	0
Unit 3	4.64	42.36	210	170	192
Unit 4	4.41	50.97	207	161	172
Unit 5	0.00	38.40	0	0	0
	10.97	138.78			435
Koyna					
Stage 1-2	1.30	29.31	150	30	520
Stage 4	0.00	16.37	0	0	250
Stage 3	0.52	10.12	158	0	320
	1.82	55.80			1090
Kovna 12&4 Total	1.30	45.68			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.23	185.60	689	670	630
		16.23	185.60			630
Hydro						
KDPH		0.15	1.37	19	0	20
VTRNA		0.00	0.00	0	0	0
TILLARI		0.39	4.45	60	0	60
BHTGR/VEER		0.09	1.35	4	3	4
BHIRA T.R.		0.12	2.18	70	0	80
RNGR+BHTSA		0.44	4.82	19	18	17
BHANDARDRA		0.00	0.93	0	0	13
ELDARY		0.36	1.33	15	14	0
SMLHY PTN		0.66	7.08	36	24	26
GHATGHAR		1.14	12.73	220	0	0
		3.35	36.23			220
PENCH (MS)						
Pench (MS)		0.13	2.60	40	0	0
		0.13	2.60			0
Wind						
MalharPeth		0.17	1.85			
Vankuswadi		0.54	5.46			
ATIT		0.07	1.31			
Kale		0.09	1.82			
Satara		0.15	3.09			
Shirala		0.09	2.02			
K Mahankal		0.63	3.38			
Supa		0.04	1.53			
Vita		1.07	10.29			
Dondaicha		1.14	9.04			
Sakri		0.18	1.41			
Nandurbar		0.14	0.95			
Khandke		0.04	2.97			
Khaparale		0.08	1.59			
		4.45	46.74			
CPP						
TOTAL CPP		12.72	136.34			
		12.72	136.34			
Dabhol						
RGPPL		36.30	406.59	1570	1438	1560
		36.30	406.59			1560
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		7.11	120.67	370	250	500
Trombay 6		3.60	52.12	150	150	500
Trombay 7A		3.03	35.26	128	124	120
Trombay 7B		1.62	17.98	68	67	60
Trombay 8		5.11	62.44	252	150	250
TATA Hydro		0.05	35.13	8	0	447
		20.52	323.60			1877
REL						
1&2		12.56	97.17	529	491	500
		12.56	97.17			500
Cent Sect						
Share						3307
						3307
MS PG CL	Thermal	121.62	1502.24			5075
	Thml+Gas	137.85	1687.84			5705
	Hydro	5.17	92.03			1310
	Total	143.02	1779.86			7015
State Total		229.70	2792.89			14259

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4983	125	673	5781	1439	228	493	2039	2009	-116	-26	9924	0	9924	1323	11247	49.87
2	4629	120	677	5426	1441	210	494	1851	1966	-16	47	9584	0	9584	1249	10833	49.98
3	4622	120	679	5421	1442	239	494	1851	2047	-9	58	9701	0	9701	1239	10940	50.09
4	4531	120	677	5328	1440	225	493	1851	1977	-9	63	9526	0	9526	1233	10759	50.04
5	4681	120	678	5479	1440	207	491	1851	2292	-9	77	9986	0	9986	1219	11205	50.00
6	4826	120	678	5624	1447	206	507	2232	2603	-9	18	10405	40	10445	1278	11723	50.09
7	5234	115	677	6026	1569	158	558	2920	2935	-9	-15	11231	82	11313	1324	12637	50.00
8	5270	125	678	6073	1569	157	539	2926	2960	-41	-28	11270	1891	13161	1382	14543	49.93
9	5254	137	677	6068	1564	178	541	2962	3103	-91	-61	11393	2854	14247	1418	15665	49.79
10	5139	282	677	6098	1556	179	561	3190	3033	-188	-150	11317	2860	14177	1546	15723	49.82
11	4993	313	674	5980	1549	121	566	3361	3185	-234	-199	11222	2944	14166	1639	15805	49.90
12	5100	288	675	6063	1547	118	572	3358	3476	-234	-200	11578	2607	14185	1654	15839	49.94
13	5061	415	670	6146	1542	138	569	3356	3335	-234	-182	11548	2696	14244	1605	15849	49.87
14	5106	393	670	6169	1548	133	572	3331	3419	-209	-140	11701	2497	14198	1532	15730	50.03
15	5090	406	673	6169	1546	127	563	3193	3386	-209	-121	11670	2472	14142	1493	15635	50.01
16	5110	309	670	6089	1549	143	565	3070	3283	-209	-102	11527	2486	14013	1474	15487	50.07
17	5144	247	671	6062	1549	188	558	3065	3215	-209	-99	11473	2520	13993	1475	15468	50.03
18	5176	240	670	6086	1554	204	561	3069	3378	-209	-110	11673	2697	14370	1484	15854	50.12
19	5165	414	673	6252	1556	183	521	3178	3074	-370	-290	11304	3487	14791	1744	16535	50.03
20	5149	268	671	6088	1561	256	505	3312	2908	-370	-272	11066	3575	14641	1776	16417	50.01
21	5285	164	681	6130	1570	258	505	3320	2608	-370	-253	10839	2719	13558	1745	15303	50.08
22	5424	118	689	6231	1445	207	498	2979	2461	-370	-244	10618	0	10618	1699	12317	50.10
23	5397	117	686	6200	1438	228	500	2826	2127	-370	-222	10273	0	10273	1627	11900	49.98
24	5256	92	685	6033	1439	158	497	2575	1755	-265	-85	9797	0	9797	1454	11251	50.25
MUs	121.6 2	5.17	16.23	143.02	36.30	4.45	12.72	67.67	66.54	-4.35	-2.54	260.63	38.43	299.05	35.61	334.66	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 12/Dec/2010

Position as on 6.30 Hrs of 13/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.	13/12/2010
Nasik Unit 5	210	10/12/2010	00.08		Continued.	Boiler Tube Leakage.	14/12/2010
Koradi Unit 3	105	10/12/2010	01.16	12/12/2010	09.42	ESP problem.	
Khaparkheda Unit 2	210	11/12/2010	11.22	12/12/2010	20.38	Boiler Tube Leakage.	
Koradi Unit 4	115	12/12/2010	22.20		Continued.	Bearing Vibration.	
Koradi Unit 1	105	13/12/2010	00.35		Continued.	Suspected Burning of Instrumental Cable.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Dec/2010

Position as on 6.30 Hrs of 13/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		Continued.	Over Voltage.
Wardha - Akola - I	06/12/2010	23.13		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	10/12/2010	22.44		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.
400/220KV 315MVA ICT- I @ Kharghar	10/12/2010	10.51	12/12/2010	22.12	Maintenance Work.
Dabhol - Nagothane - I	12/12/2010	09.03	12/12/2010	17.05	Cold Washing of Line Insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strengining Work of Mumbai System.
Main Bus - II Talangde	06/12/2010	10.35		Continued.	Alignment of isolator and testing work of equip.for 400 KV Solapur.
Kalwa-Mulund-I	12/12/2010	06.11	12/12/2010	12.01	To Attend Red Hot on Loc.No.38.
Purti - Bhugaon	12/12/2010	08.01	12/12/2010	14.20	To Attend Main CB PDR Problem.Ckt Was on TBC.
Pedambe-Pophali I	12/12/2010	08.55	12/12/2010	17.50	C T Meggering Work.
220/100 KV 125MVA ICT- II @ Borivali	12/12/2010	09.12	12/12/2010	10.47	Attending Red Hot Spot.
Kandalgaon - Topworth	12/12/2010	09.18	12/12/2010	19.36	Replacement of Insulator String.
Main Breaker of 220/132KV 150MVA ICT-II at Akola	12/12/2010	10.15	12/12/2010	16.15	Breaker Overhaul (ICT HV side on TBC)
220/100 KV ICT- III @ Borivali	12/12/2010	10.52	12/12/2010	13.11	Attending Red Hot Spot.
Trombay Sonkhar	12/12/2010	12.10	12/12/2010	19.19	Replacement of Insulator.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV 150 MVA ICT- I @ Akola.	09/12/2010	13.38		Continued.	Main Ckt.Breaker O/H work.
Boiser PGCIL-Boiser II	12/12/2010	11.19	12/12/2010	14.50	Attending Hot Spot.
Badnera - Akola - I	12/12/2010	16.25	12/12/2010	18.35	Main CB SF6 Gas Pressure Switch Setting Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	11/12/2010	21.20	12/12/2010	05.42	Over Voltage.
Karad - Kolhapur - I	11/12/2010	23.02	12/12/2010	06.36	Over Voltage.
Karad-Lamboti	12/12/2010	00.55	12/12/2010	05.44	Over Voltage.
Lonikand- Koyna Stage IV	12/12/2010	01.48	12/12/2010	06.35	Over Voltage.
Dhule - Babhaleshwar - I	12/12/2010	02.02	12/12/2010	05.21	Over Voltage.
Lonikand - Parli - I	12/12/2010	11.22	12/12/2010	13.10	For Taking Recocctor I/S @ Parli End.
Bhusawal- Aurangabad	12/12/2010	20.00	13/12/2010	05.59	Over Voltage.
Karad - Kolhapur - II	12/12/2010	23.47		Continued.	Over Voltage.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	11/12/2010	17.59	12/12/2010	08.45	H/T From Kalwa end
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 12/Dec/2010

Position as on 6.30 Hrs of 13/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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.
Karad - Miraj	10/12/2010	01.50		Continued.	Distance protection.
Bhugaon-Pusad	12/12/2010	05.34	12/12/2010	06.20	Distenace Protection.
Purti - Bhugaon	12/12/2010	07.10	12/12/2010	08.01	Distenace Protection.
Babaleshwar - Ranjangaon	12/12/2010	23.01	13/12/2010	01.25	Distenace Protection.
Voltage Level : 110KV			Outage Type TRIPPED		
Ogalewadi - Pandharpur	12/12/2010	23.03	12/12/2010	23.10	Distenace Protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Chinchwad - Talegaon	12/12/2010	09.22	12/12/2010	09.32	Distenace Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	75
Unit 3	105	70
Unit 4	105	0
Unit 5	200	130
Unit 6	210	140
Unit 7	210	130
	1040	545
Bhusawal		
Unit 1	58	45
Unit 2	210	185
Unit 3	210	200
	478	430
Parli		
Unit 1	30	20
Unit 2	30	0
Unit 3	210	180
Unit 4	210	175
Unit 5	210	0
Unit 6	250	215
Unit 7	250	200
	1190	790
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	380
	2340	1965
Paras		
Unit 2	55	0
Unit 3	250	250
Unit 4	250	250
	555	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	200
Unit 4	210	180
	840	790
Nasik		
Unit 1	120	71
Unit 2	120	0
Unit 3	210	192
Unit 4	210	172
Unit 5	210	0
	870	435
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	19
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	19
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	207
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		
RGPPPL	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	500
	500	500
Cent Sect		
Share	3143	3372
	3143	3372

	17376	7 of 7	14691
--	--------------	--------	--------------