



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Dec/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Dec/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.024	3650.992	1) Gujrat	9.418	302.863
2) Hydro	15.711	453.821	2) Madhya Pradesh	14.186	491.302
3) Gas	9.950	266.307	3) Chattisgarh	10.650	373.020
Total MSGENCO	141.685	4371.120	4) Maharashtra	62.716	2137.884
B) 1) JSW JAIGAD	27.269	706.458	5) Goa	-5.139	-163.938
2) WPCL	8.881	273.761	6) TAPS 1&2 Injection	2.184	103.532
3) ADANI	4.100	4.100	7) RGPPL Injection	8.377	242.345
4) Other CPP / IPP	11.487	340.435	8) Pench (Excess)	-0.074	-7.024
5) Wind Generation	3.371	133.890	# Total Cent. Sector	102.318	3479.984
6) PENCH (MS)	0.074	7.024	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.686	-288.209
1) TPCL Thermal	20.921	746.964	G) Bilateral Power *		
2) TPCL Hydro	4.127	113.790	1) MSEDCL Bilateral	35.342	1195.061
TOTAL TPCL	25.048	860.754	Include PX	0.000	83.959
3) REL Thermal	12.146	375.044	2) MUMBAI Bilateral	8.447	318.769
D) STATE			Include PX	-2.929	-23.843
1) Thermal (A1+C1+C3)	149.091	4773.000	3) MUMBAI Schedule	8.447	320.069
2) Hydro (A2+B5+C2)	19.912	574.635	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.950	266.307	1) MSEDCL	288.499	9028.563
4) Wind (B4)	3.371	133.890	2) TPCL	32.060	1015.479
5) CPP (B1+B2+B3)	51.737	1324.754	3) REL	15.819	508.435
TOTAL STATE	234.061	7072.586	TOTAL STATE	336.378	10552.477

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4799	4958	4822
MSGENCO Hydro	1899	332	140
MSGENCO Gas	406	404	432
MSGENCO Total Generation	7104	5694	5394
Central Sector Receipt	4980	4623	3567
WIND	71	160	157
CPP / IPP	2160	2475	1866
Exchange with Mumbai	-675	-473	-271
MSEDCL DEMAND MET	13640	12479	10713
Load Shedding	815	532	81
MSEDCL DEMAND	14455	13011	10794
TPCL GENERATION	1334	1370	623
R-INFRA GENERATION	529	528	397
TPCL+R-INFRA DEMAND	2538	2371	1291
STATE DEMAND MET	16178	14850	12004
STATE DEMAND	16993	15382	12085
Frequency (Hz)	49.81	49.87	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 21:42 Hrs	49.51 Hz at 08:41 Hrs	49.94	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 31/Dec/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.24	96.95	140	130	130
Unit 7	3.54	92.86	170	115	165
Total	6.79	189.81			295
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.12	131.28	190	160	190
Unit 4	6.45	191.16	380	230	280
Unit 5	1.95	34.41	115	0	0
Total	12.51	356.85			470
Parli					
Unit 3	0.00	96.79	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	4.00	115.66	178	151	175
Unit 6	5.94	42.34	256	229	225
Unit 7	0.00	109.10	0	0	0
Total	9.95	363.89			400
Chandrapur					
Unit 1	3.56	109.39	159	132	155
Unit 2	3.54	92.63	167	126	160
Unit 3	4.72	137.64	204	190	200
Unit 4	4.69	140.62	200	187	200
Unit 5	9.22	310.55	410	350	400
Unit 6	10.60	321.40	473	379	450
Unit 7	0.82	205.38	280	0	0
Total	37.16	1317.62			1565
Paras					
Unit 3	5.27	171.09	243	188	220
Unit 4	5.62	171.60	256	202	220
Total	10.90	342.70			440
Khaparkheda					
Unit 1	3.79	111.96	185	140	165
Unit 2	4.08	118.01	190	150	165
Unit 3	4.00	81.56	197	153	165
Unit 4	3.91	121.06	186	139	165
Unit 5	10.49	300.85	504	384	400
Total	26.28	733.44			1060
Nasik					
Unit 3	4.21	111.88	190	165	190
Unit 4	3.96	107.21	176	153	190
Unit 5	4.26	127.60	189	159	190
Total	12.43	346.69			570
Uran					
All Units	9.95	266.31	433	402	410
Total	9.95	266.31			410
PENCH (MS)					
Pench (MS)	0.07	7.02	27	0	0
Total	0.07	7.02			0
Koyna					
Stage 1-2	3.83	112.13	560	40	600
Stage 4	6.95	158.30	1120	0	250
Stage 3	2.11	57.71	240	0	240
Kovna 12&4 Total	10.78	270.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	12.89	328.14			1090
Hydro					
KDPH	0.90	15.10	38	37	36
VTRNA	0.00	2.35	0	0	61
TILLARI	0.30	8.62	60	0	60
BHTGR/VEER	0.07	4.19	3	3	2
BHIRA T.R.	0.19	6.70	67	0	80
RNGR+BHTSA	0.38	12.04	16	15	16
BHANDARDRA	0.00	9.67	0	0	0
ELDARY	0.22	1.80	14	8	10
SMLHY PTN	0.76	31.31	39	29	11
GHATGHAR	0.00	33.91	0	0	0
Total	2.82	125.68			276
Wind					
MalharPeth	0.16	8.87			
Vankuswadi	0.26	14.53			
ATIT	0.03	4.46			
Kale	0.10	4.89			
Satara	0.74	18.33			
Shirala	0.11	5.79			
K Mahankal	0.02	12.68			
Supa	0.04	2.03			
Vita	0.68	20.20			
Dondaicha	0.67	24.65			
Sakri	0.12	3.26			
Nandurbar	0.08	1.91			
Khandke	0.24	7.20			
Khaparale	0.12	5.08			
Total	3.37	133.89			
CPP					
JSW JAIGAD	27.27	706.46	1206	1015	1100
WARDHA	8.88	273.76	372	368	369
Adani	4.10	4.10	510	0	0
Other CPPs	11.49	340.44			
Total	51.74	1324.75			1469
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.44	321.07	506	286	500
Trombay 6	6.02	173.25	385	157	500
Trombay 7A	2.86	88.86	126	114	120
Trombay 7B	1.61	49.83	69	65	60
Trombay 8	0.00	113.95	0	0	0
TATA Hydro	4.13	113.79	321	0	318
Total	25.05	860.75			1498
REL					
1&2	12.15	375.04	530	395	500
Total	12.15	375.04			500
Cent Sect					
Share					4547
Total					4547

MS PG CL	Thermal	116.02	3650.99			4800
	Thml+Gas	125.97	3917.30			5210
	Hydro	15.71	453.82			1366
	Total	141.68	4371.12			6576
State Total		234.06	7072.59			14590

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Dec/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5019	140	433	5592	173	1953	3584	3630	-237	-310	11038	13	11051	1453	12504	50.13
2	4939	140	432	5511	177	1864	3508	3525	-163	-272	10805	30	10835	1342	12177	50.06
3	4822	140	432	5394	157	1866	3283	3567	-133	-271	10713	81	10794	1291	12085	50.07
4	4816	135	430	5381	145	1870	3304	3763	-133	-232	10927	81	11008	1251	12259	50.13
5	4778	140	427	5345	124	1874	3326	3955	-138	-227	11071	121	11192	1262	12454	50.06
6	4706	135	429	5270	137	1944	3717	4558	-165	-187	11722	277	11999	1362	13361	50.03
7	4745	155	427	5327	126	2009	4273	4466	-270	-152	11776	730	12506	1480	13986	49.90
8	4764	1066	423	6253	144	2014	4108	4436	-194	-180	12667	858	13525	1633	15158	49.84
9	4731	1600	422	6753	98	2070	4204	4315	-259	-295	12941	865	13806	1916	15722	49.77
10	4789	2033	421	7243	80	2067	4352	4510	-415	-439	13461	665	14126	2232	16358	49.81
11	4824	2124	417	7365	73	2102	4497	4723	-553	-601	13662	613	14275	2464	16739	49.90
12	4799	1899	406	7104	71	2160	4738	4980	-619	-675	13640	815	14455	2538	16993	49.81
13	4728	1521	405	6654	83	2250	4787	4671	-578	-664	12994	925	13919	2521	16440	49.81
14	4829	1024	404	6257	76	2268	4664	4580	-455	-564	12617	825	13442	2419	15861	49.91
15	4804	881	405	6090	71	2343	4671	4778	-463	-544	12738	703	13441	2408	15849	49.83
16	4842	886	402	6130	117	2310	4672	4731	-467	-502	12786	614	13400	2384	15784	49.81
17	4958	332	404	5694	160	2475	4683	4623	-468	-473	12479	532	13011	2371	15382	49.87
18	4939	192	406	5537	154	2453	4010	3956	-355	-411	11689	476	12165	2320	14485	49.85
19	4868	265	407	5540	193	2577	4403	4331	-475	-534	12120	406	12526	2418	14944	49.91
20	4829	268	402	5499	219	2521	4565	4080	-450	-556	11790	225	12015	2392	14407	49.98
21	4808	207	405	5420	244	2242	4570	4360	-405	-580	11713	83	11796	2304	14100	49.99
22	4849	142	405	5396	229	2183	4521	3944	-378	-648	11111	83	11194	2175	13369	50.15
23	4937	148	404	5489	173	2138	4340	3888	-322	-699	10989	8	10997	2043	13040	50.04
24	4941	138	402	5481	147	2184	4200	3948	-351	-670	11090	3	11093	1901	12994	49.95
MUs	116.06	15.71	9.95	141.72	3.37	51.74	100.98	102.32	-8.45	-10.69	288.54	10.03	298.57	47.88	346.45	49.94

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 # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 31/Dec/2012

Position as on 6.30 Hrs of 01/Jan/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	AOH.	03/01/2013
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Tata Trombay 8	250	21/12/2012	00.10		Continued.	Boiler recertification.	15/01/2013
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	15/02/2013
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	03/01/2013
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 3B	230	28/10/2012	12.43		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
CPP Adani	660	09/11/2012	19.16	31/12/2012	10.37	No Schedule.	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Dabhol 2A	230	17/12/2012	21.54	31/12/2012	09.28	Gas Shortage.	
Parli Unit 7	250	22/12/2012	20.46		Continued.	Steam leakage.	
Hydro GhatgharU2	125	27/12/2012	10.25		Continued.	Rock sliding.	
Hydro GhatgharU1	125	27/12/2012	10.45		Continued.	Rock sliding.	
Uran Unit 5	108	29/12/2012	00.45		Continued.	Water feed pump problem.	
Chandrapur Unit 7	500	29/12/2012	14.42	31/12/2012	19.37	Loss of fuel.	
CPP WPCL U-1	135	29/12/2012	18.45		Continued.	Withdrawn.	
Parli Unit 3	210	30/12/2012	04.12		Continued.	Air heater problem.	
Bhusawal Unit 5	500	30/12/2012	19.32	31/12/2012	02.58	Low Drum Level	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2012

Position as on 6.30 Hrs of 01/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	24/12/2012	17.10		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	25/12/2012	21.23	31/12/2012	10.46	Over Voltage
Kolhapur-Solapur(PGCIL)-I	26/12/2012	18.21		Continued.	Over Voltage.
Chandrapur - Bhadravati - IV	29/12/2012	21.17		Continued.	Over Voltage.
Akola - Wardha - II	30/12/2012	21.32	31/12/2012	07.00	Over Voltage
765 KV Wardha - Seoni -I	30/12/2012	22.02	31/12/2012	05.46	Over Voltage
Wardha - Akola - I	31/12/2012	21.25	01/01/2013	05.38	Over Voltage
765KV Seoni - Wardha - II	31/12/2012	23.00	01/01/2013	06.04	Over Voltage
Parli (PG)-Bhadravati I	31/12/2012	23.07		Continued.	Over Voltage
Dhule - S'Sarovar- II	31/12/2012	23.13		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	09/11/2012	19.16	31/12/2012	10.33	Tripped alongwith Warora-Wardha(PG)-I on O/V.Kept OFF due to Rreactor Comm.Problem.
Wardha (PG) - Warora - I	29/11/2012	21.10	31/12/2012	00.34	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 105 MVA Spare ICT @ Akola.	19/12/2012	08.22		Continued.	Dismanteling & Shifting of Spare ICT to R Ph.Unit,Internal Inspection of R Ph unit to be made Spare in Future.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kharghar - Kalwa	19/10/2012	08.55		Continued.	Mumbai Strengthening work
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 31/1/2013)
220/22 KV, 50 MVA T/F-II @ Kalwa	17/12/2012	14.20		Continued.	H V Breaker Replacement(Up to 03/01/2013)
220/100KV 100 MVA ICT-I @ Taloja	21/12/2012	15.20		Continued.	Replacement by 200 MVA New ICT(Up to 06/01/2013)
220/132KV 100 MVA ICT-I @ Kanhan	26/12/2012	08.56		Continued.	Replacement of 100 MVA ICT by 200 MVA ICT.
Kalwa - Borivali	28/12/2012	15.40		Continued.	Isolator replacement work.Taken on TBC.
220/132KV 150MVA ICT @ Boisor	29/12/2012	09.32		Continued.	Breaker repl.under JICA.Taken on TBC.
Chinchwad-Urse	31/12/2012	07.48	31/12/2012	18.43	Tower Work
Talandge - Sawantwadi	31/12/2012	09.15	31/12/2012	13.49	Stringing work
Talangade-Ichalkaranji I	31/12/2012	10.14	31/12/2012	18.03	Q.M.Work
220/132 KV,200 MVA ICT-	31/12/2012	11.30		Continued.	Hot Spot

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2012

Position as on 6.30 Hrs of 01/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II at Chikhli					
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Mhasale	13/12/2012	08.10		Continued.	Breaker Repairing Work.(Till 03/01/13)
Chinchwad - Talegaon	31/12/2012	08.15	31/12/2012	15.14	Tower Work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Ambazari - Abhijeet	31/12/2012	11.49	31/12/2012	14.31	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Aurangabad-Deepnagar-II	11/12/2012	13.21		Continued.	Over Voltage
Bhusawal- Aurangabad	27/12/2012	16.09		Continued.	Over Voltage.
Karad - Kolhapur - I	29/12/2012	20.29	31/12/2012	09.23	Over Voltage.
Karad - Kolhapur - II	30/12/2012	17.23		Continued.	Over Voltage
Lonikand- Koyna Stage IV	30/12/2012	22.07	31/12/2012	07.35	Over Voltage
Padgha - Nagothane- II	31/12/2012	01.37	31/12/2012	08.14	Over Voltage
Karad - Kolhapur - I	31/12/2012	16.42		Continued.	Over Voltage
Lonikand- Koyna Stage IV	31/12/2012	21.11		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/12/2012	21.43		Continued.	Due to Overloading
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated. Declared Faulty by Genco. Sent for Repairs.
Bablsr-Padgha Ckt I	31/12/2012	04.04	31/12/2012	06.44	Over Voltage
Bablsr-Padgha Ckt I	01/01/2013	03.03	01/01/2013	06.21	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV,100 MVA ICT-I at Dondaicha	22/12/2012	19.17		Continued.	Main bucholz relay operated.
Usmanabad-Barshi	31/12/2012	09.58	31/12/2012	16.38	CT Junction Box R phase wire damaged

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	150
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	200
Unit 5	500	0
	1420	370
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	190
Unit 7	250	0
	1130	340
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	350
	2340	1850
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	400
	852	400
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	10
SMLHY PTN	12	10
GHATGHAR	250	0
	611	213
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		
JSW JAIGAD	600	1100
WARDHA	405	370
Adani	660	
Other CPPs	0	
	1665	1470
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	318
	2024	1498
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4813
	3455	4813