



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Jan/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.303	120.303	1) Gujrat	9.771	9.771
2) Hydro	6.299	6.299	2) Madhya Pradesh	15.989	15.989
3) Gas	10.232	10.232	3) Chattisgarh	9.970	9.970
Total MSGENCO	136.834	136.834	4) Maharashtra	60.336	60.336
B) 1) JSW JAIGAD	26.746	26.746	5) Goa	-5.716	-5.716
2) WPCL	8.852	8.852	6) TAPS 1&2 Injection	0.047	0.047
3) ADANI	10.470	10.470	7) RGPPL Injection	11.328	11.328
4) Other CPP / IPP	12.252	12.252	8) Pench (Excess)	-0.115	-0.115
5) Wind Generation	3.622	3.622	# Total Cent. Sector	101.610	101.610
6) PENCH (MS)	0.115	0.115	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.326	-12.326
1) TPCL Thermal	18.108	18.108	G) Bilateral Power *		
2) TPCL Hydro	4.059	4.059	1) MSEDCL Bilateral	36.941	36.941
TOTAL TPCL	22.167	22.167	Include PX	0.000	0.000
3) REL Thermal	12.114	12.114	2) MUMBAI Bilateral	9.685	9.685
D) STATE			Include PX	-1.999	-1.999
1) Thermal (A1+C1+C3)	150.525	150.525	3) MUMBAI Schedule	9.685	9.685
2) Hydro (A2+B5+C2)	10.473	10.473	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.232	10.232	1) MSEDCL	288.175	288.175
4) Wind (B4)	3.622	3.622	2) TPCL	31.285	31.285
5) CPP (B1+B2+B3)	58.320	58.320	3) REL	15.321	15.321
TOTAL STATE	233.172	233.172	TOTAL STATE	334.781	334.781

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5128	5017	4823
MSGENCO Hydro	923	123	134
MSGENCO Gas	406	472	407
MSGENCO Total Generation	6457	5612	5364
Central Sector Receipt	4569	4291	3518
WIND	77	286	107
CPP / IPP	2572	2584	2225
Exchange with Mumbai	-571	-502	-372
MSEDCL DEMAND MET	13104	12271	10842
Load Shedding	826	524	47
MSEDCL DEMAND	13930	12795	10889
TPCL GENERATION	1248	1157	626
R-INFRA GENERATION	529	529	393
TPCL+R-INFRA DEMAND	2348	2188	1391
STATE DEMAND MET	15452	14459	12233
STATE DEMAND	16278	14983	12280
Frequency (Hz)	49.91	50.12	50.28

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 04:04 Hrs	49.57 Hz at 10:10 Hrs	50.04	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 01/Jan/2013

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	2.92	2.92	140	102	130
Unit 7	2.86	2.86	150	85	150
Total	5.78	5.78			280
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.08	4.08	185	160	170
Unit 4	7.60	7.60	405	165	200
Unit 5	0.42	0.42	92	0	0
Total	12.10	12.10			370
Parli					
Unit 3	0.49	0.49	66	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.68	3.68	179	137	150
Unit 6	5.70	5.70	251	195	190
Unit 7	0.00	0.00	0	0	0
Total	9.86	9.86			340
Chandrapur					
Unit 1	3.35	3.35	152	123	150
Unit 2	3.36	3.36	151	127	150
Unit 3	4.50	4.50	200	153	200
Unit 4	4.60	4.60	195	178	200
Unit 5	9.38	9.38	410	360	400
Unit 6	9.58	9.58	430	375	400
Unit 7	9.10	9.10	455	283	350
Total	43.85	43.85			1850
Paras					
Unit 3	5.68	5.68	249	221	250
Unit 4	5.71	5.71	252	227	250
Total	11.39	11.39			500
Khaparkheda					
Unit 1	3.94	3.94	195	125	170
Unit 2	3.58	3.58	200	0	170
Unit 3	4.12	4.12	203	150	170
Unit 4	4.15	4.15	190	148	170
Unit 5	8.89	8.89	475	281	350
Total	24.69	24.69			1030
Nasik					
Unit 3	4.31	4.31	190	165	190
Unit 4	4.20	4.20	181	166	190
Unit 5	4.13	4.13	190	146	190
Total	12.64	12.64			570
Uran					
All Units	10.23	10.23	490	327	400
Total	10.23	10.23			400
PENCH (MS)					
Pench (MS)	0.12	0.12	40	0	0
Total	0.12	0.12			0
Koyna					
Stage 1-2	1.86	1.86	195	45	600
Stage 4	1.50	1.50	557	0	250
Stage 3	0.74	0.74	160	0	240
Kovna 12&4 Total	3.35	3.35			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.09	4.09			1090
Hydro					
KDPH	0.60	0.60	38	19	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.24	0.24	60	0	60
BHTGR/VEER	0.08	0.08	4	3	2
BHIRA T.R.	0.23	0.23	80	0	80
RNGR+BHTSA	0.36	0.36	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	10
SMLHY PTN	0.70	0.70	36	26	10
GHATGHAR	0.00	0.00	0	0	0
Total	2.21	2.21			213
Wind					
MalharPeth	0.19	0.19			
Vankuswadi	0.28	0.28			
ATIT	0.04	0.04			
Kale	0.09	0.09			
Satara	0.42	0.42			
Shirala	0.06	0.06			
K Mahankal	0.00	0.00			
Supa	0.07	0.07			
Vita	0.12	0.12			
Dondaicha	1.67	1.67			
Sakri	0.24	0.24			
Nandurbar	0.15	0.15			
Khandke	0.07	0.07			
Khaparale	0.21	0.21			
Total	3.62	3.62			
CPP					
JSW JAIGAD	26.75	26.75	1204	994	1100
WARDHA	8.85	8.85	372	359	370
Adani	10.47	10.47	470	360	0
Other CPPs	12.25	12.25			
Total	58.32	58.32			1470
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.58	9.58	504	285	500
Trombay 6	4.03	4.03	247	157	500
Trombay 7A	2.88	2.88	127	114	120
Trombay 7B	1.61	1.61	71	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.06	4.06	306	0	318
Total	22.17	22.17			1498
REL					
1&2	12.11	12.11	530	392	500
Total	12.11	12.11			500
Cent Sect					
Share					4813
Total					4813

MS PG CL	Thermal	120.30	120.30			4940
	Thml+Gas	130.54	130.54			5340
	Hydro	6.30	6.30			1303
	Total	136.83	136.83			6643
State Total		233.17	233.17			14924

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Jan/2013

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	4957	134	405	5496	101	2280	3884	3886	-318	-492	11271	18	11289	1652	12941	49.95
2	4896	134	407	5437	86	2248	3833	3774	-249	-475	11070	46	11116	1525	12641	50.00
3	4816	134	407	5357	109	2245	3805	3684	-220	-422	10973	46	11019	1441	12460	50.10
4	4823	134	407	5364	107	2225	3802	3518	-217	-372	10842	47	10889	1391	12280	50.28
5	4852	129	407	5388	131	2231	3802	3721	-217	-353	11118	83	11201	1373	12574	50.13
6	4943	128	406	5477	131	2359	4165	4009	-228	-299	11677	188	11865	1455	13320	50.03
7	5103	128	417	5648	119	2529	4472	4559	-346	-313	12542	409	12951	1535	14486	49.90
8	5079	158	416	5653	101	2530	4371	4642	-287	-258	12668	858	13526	1636	15162	49.86
9	5121	275	415	5811	97	2559	4517	4544	-404	-349	12662	873	13535	1817	15352	49.85
10	5221	677	411	6309	49	2568	4497	4555	-489	-446	13035	681	13716	2089	15805	49.87
11	5225	1017	406	6648	44	2573	4503	4582	-489	-539	13308	636	13944	2278	16222	49.81
12	5128	923	406	6457	77	2572	4498	4569	-489	-571	13104	826	13930	2348	16278	49.91
13	5142	496	403	6041	91	2585	4496	4538	-489	-586	12669	963	13632	2347	15979	50.01
14	5136	251	401	5788	154	2580	4510	4485	-489	-571	12436	863	13299	2248	15547	50.04
15	5124	255	327	5706	231	2586	4510	4626	-489	-548	12601	731	13332	2227	15559	50.08
16	5123	163	344	5630	250	2594	4528	4815	-489	-514	12775	643	13418	2198	15616	50.06
17	5017	123	472	5612	286	2584	4655	4291	-489	-502	12271	524	12795	2188	14983	50.12
18	5032	124	477	5633	284	2593	4428	3594	-473	-594	11521	269	11790	2183	13973	50.12
19	4994	248	478	5720	251	2391	4781	4554	-559	-785	12171	31	12202	2290	14492	50.09
20	4908	214	480	5602	255	2383	4893	4512	-559	-715	12057	28	12085	2330	14415	50.14
21	4884	116	483	5483	255	2304	4550	4319	-495	-721	11666	25	11691	2253	13944	50.08
22	4880	124	483	5487	170	2289	4457	3965	-448	-728	11201	25	11226	2112	13338	50.15
23	4948	107	490	5545	137	2256	4161	4065	-370	-625	11378	1	11379	1948	13327	50.11
24	4951	107	484	5542	106	2256	3943	3803	-379	-548	11159	1	11160	1743	12903	50.30
MUs	120.30	6.30	10.23	136.83	3.62	58.32	104.06	101.61	-9.68	-12.33	288.18	8.82	296.99	46.61	343.60	50.04

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 01/Jan/2013

Position as on 6.30 Hrs of 02/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	01/01/2013	21.10	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	01/01/2013	18.18	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	
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.	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	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.	
CPP WPCL U-1	135	29/12/2012	18.45		Continued.	Withdrawn.	
Parli Unit 3	210	30/12/2012	04.12	01/01/2013	07.10	Air heater problem.	
Bhusawal Unit 5	500	01/01/2013	05.11		Continued.	Coal Shortage	
Parli Unit 3	210	01/01/2013	16.50		Continued.	Inspection of PA Fan	
Khaparkheda Unit 2	210	01/01/2013	18.53	01/01/2013	22.03	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2013

Position as on 6.30 Hrs of 02/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
Kolhapur-Solapur(PGCIL)-I	26/12/2012	18.21		Continued.	Over Voltage.
Chandrapur - Bhadravati - IV	29/12/2012	21.17		Continued.	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
765 KV Wardha - Seoni -I	01/01/2013	14.03		Continued.	Over Voltage
Akola - Wardha - II	01/01/2013	23.11		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - I	02/01/2013	01.24		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		
Padgha - Talegaon (PG)	02/01/2013	06.29		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Pench-Mansar	01/01/2013	19.27	01/01/2013	20.20	Distance Protection
IntraState					
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)
220/100KV 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.
220/132 KV,200 MVA ICT-II at Chikhli	31/12/2012	11.30	01/01/2013	02.27	Hot Spot
220/132 KV 100 MVA ICT - II at Balapur	31/12/2012	16.07	01/01/2013	14.01	Oil Leakage
Chinchwad-Urse	01/01/2013	08.27	01/01/2013	18.26	Erection Work
Karad - Vita - I	01/01/2013	09.35	01/01/2013	13.20	Q.M.Work
Parly - Harangool - I	01/01/2013	10.41	01/01/2013	15.41	Q.M.Work
220/100KV 100 MVA T/F-I @ Tambati	01/01/2013	11.00		Continued.	Bus Section-I Outage
Main Bus Sec.- I at	01/01/2013	11.00		Continued.	O/H work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2013

Position as on 6.30 Hrs of 02/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Tambati					
Tambati-Pedambe	01/01/2013	11.00		Continued.	Bus-I Outage
Kandalgaon - Sona Alloy	01/01/2013	11.14	01/01/2013	20.00	Clarence of Line
220/132 KV 100 MVA ICT - I at Balapur	01/01/2013	14.04		Continued.	Oil Filtration
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Mhasale	13/12/2012	08.10		Continued.	Breaker Repairing Work.(Till 03/01/13)
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	01/01/2013	06.43	Over Voltage.
Karad - Kolhapur - II	30/12/2012	17.23	01/01/2013	09.24	Over Voltage
Karad - Kolhapur - I	31/12/2012	16.42		Continued.	Over Voltage
Lonikand- Koyna Stage IV	31/12/2012	21.11	01/01/2013	08.28	Over Voltage
Bhusawal- Aurangabad	01/01/2013	17.11		Continued.	Over Voltage
Karad - Kolhapur - II	01/01/2013	17.39		Continued.	Over Voltage
Lonikand- Koyna Stage IV	01/01/2013	22.04		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	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	01/01/2013	18.35	Main bucholz relay operated.
220/66 KV 50 MVA T/F - I @ Warora	01/01/2013	14.49	01/01/2013	22.50	REF Diff Relay
220/66 KV 50 MVA T/F - II @ Warora	01/01/2013	14.49	01/01/2013	15.14	Over Current
220/66 KV 50 MVA T/F - II @ Warora	01/01/2013	17.16	01/01/2013	17.24	Back Up Over Current E/F
Pusad - Bhugaon	01/01/2013	23.54		Continued.	Distance Protection(Declared Faulty)
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Renapur	01/01/2013	14.37	01/01/2013	16.16	Conductor Snapped Near Hatoda Village
Girwali - Latur MIDC	01/01/2013	14.42		Continued.	Conductor Snapped Near Hatoda Village

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	140
	620	275
Bhusawal		
Unit 2	210	0
Unit 3	210	175
Unit 4	500	400
Unit 5	500	
	1420	575
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	177
Unit 6	250	220
Unit 7	250	0
	1130	397
Chandrapur		
Unit 1	210	145
Unit 2	210	140
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	425
Unit 7	500	400
	2340	1935
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	150
Unit 2	210	142
Unit 3	210	181
Unit 4	210	145
Unit 5	500	240
	1340	858
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	470
	852	470
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	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	
	611	203
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	369
Adani	660	
Other CPPs	0	
	1665	1469
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	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5000
	3455	5000