



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Jan/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.482	482.405	1) Gujrat	8.267	36.646
2) Hydro	8.524	31.723	2) Madhya Pradesh	13.443	60.263
3) Gas	11.266	44.063	3) Chattisgarh	9.260	38.300
Total MSGENCO	134.272	558.191	4) Maharashtra	60.437	243.090
B) 1) JSW JAIGAD	26.151	106.008	5) Goa	-6.069	-24.159
2) WPCL	8.891	35.520	6) TAPS 1&2 Injection	2.072	6.244
3) ADANI	10.100	34.950	7) RGPPL Injection	6.395	39.000
4) Other CPP / IPP	9.458	42.222	8) Pench (Excess)	-0.310	-0.913
5) Wind Generation	3.052	12.357	# Total Cent. Sector	93.495	398.471
6) PENCH (MS)	0.310	0.913	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.949	-42.654
1) TPCL Thermal	20.818	78.790	G) Bilateral Power *		
2) TPCL Hydro	4.818	18.752	1) MSEDCL Bilateral	39.014	147.601
TOTAL TPCL	25.636	97.542	Include PX	0.000	0.000
3) REL Thermal	12.351	48.670	2) MUMBAI Bilateral	9.852	40.429
D) STATE			Include PX	-1.711	-6.149
1) Thermal (A1+C1+C3)	147.651	609.865	3) MUMBAI Schedule	9.852	40.429
2) Hydro (A2+B5+C2)	13.652	51.388	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.266	44.063	1) MSEDCL	277.780	1145.978
4) Wind (B4)	3.052	12.357	2) TPCL	30.692	126.370
5) CPP (B1+B2+B3)	54.600	193.850	3) REL	15.265	62.668
TOTAL STATE	230.221	911.523	TOTAL STATE	323.737	1335.016

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	4808	4845	4791
MSGENCO Hydro	650	166	156
MSGENCO Gas	471	452	488
MSGENCO Total Generation	5929	5463	5435
Central Sector Receipt	4310	3961	3325
WIND	51	110	187
CPP / IPP	2459	2469	2137
Exchange with Mumbai	-323	-294	-211
MSEDCL DEMAND MET	12453	11709	10873
Load Shedding	741	502	40
MSEDCL DEMAND	13194	12211	10913
TPCL GENERATION	1540	1460	620
R-INFRA GENERATION	530	528	428
TPCL+R-INFRA DEMAND	2393	2282	1259
STATE DEMAND MET	14846	13991	12132
STATE DEMAND	15587	14493	12172
Frequency (Hz)	49.73	49.88	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 18.00 Hrs	49.3 Hz at 10.10 Hrs	49.86	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 04/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	3.26	12.63	142	130	140
Unit 7	3.37	13.72	175	0	155
Total	6.64	26.35			295
Bhusawal					
Unit 2	0.01	0.01	6	0	0
Unit 3	3.96	16.43	180	145	170
Unit 4	9.36	35.43	445	310	380
Unit 5	0.00	0.42	0	0	
Total	13.33	52.29			550
Parli					
Unit 3	2.71	3.20	158	6	100
Unit 4	0.00	0.00	0	0	0
Unit 5	3.92	15.91	175	132	180
Unit 6	5.34	22.68	253	174	245
Unit 7	0.00	0.00	0	0	0
Total	11.97	41.79			525
Chandrapur					
Unit 1	3.75	14.47	163	149	160
Unit 2	3.74	14.54	166	130	155
Unit 3	4.62	18.38	201	177	200
Unit 4	4.62	18.63	199	164	200
Unit 5	9.73	38.30	420	380	400
Unit 6	10.45	41.03	460	405	450
Unit 7	0.84	28.90	421	0	0
Total	37.74	174.25			1565
Paras					
Unit 3	2.42	16.36	221	0	230
Unit 4	5.20	22.39	242	199	250
Total	7.62	38.74			480
Khaparkheda					
Unit 1	4.42	16.50	205	170	170
Unit 2	4.26	15.57	205	150	170
Unit 3	3.92	16.51	178	151	170
Unit 4	3.27	15.25	190	0	0
Unit 5	8.34	33.83	397	261	400
Total	24.21	97.66			910
Nasik					
Unit 3	4.42	17.56	195	175	190
Unit 4	4.21	16.67	187	170	190
Unit 5	4.34	17.09	196	165	190
Total	12.97	51.31			570
Uran					
All Units	11.27	44.06	493	387	470
Total	11.27	44.06			470
PENCH (MS)					
Pench (MS)	0.31	0.91	50	0	
Total	0.31	0.91			
Koyna					
Stage 1-2	2.11	10.21	320	45	600
Stage 4	1.45	6.57	496	0	250
Stage 3	0.94	3.59	160	0	240
Kovna 12&4 Total	3.56	16.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.50	20.38			1090
Hydro					
KDPH	0.14	1.67	18	0	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.32	1.04	60	0	60
BHTGR/VEER	0.11	0.42	5	4	5
BHIRA T.R.	0.29	1.06	80	0	80
RNGR+BHTSA	0.34	1.42	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	0.97	3.28	47	38	10
GHATGHAR	1.84	2.40	250	0	
Total	4.02	11.34			188
Wind					
MalharPeth	0.34	1.12			
Vankuswadi	0.25	1.22			
ATIT	0.12	0.41			
Kale	0.09	0.40			
Satara	0.20	1.16			
Shirala	0.10	0.48			
K Mahankal	0.19	0.45			
Supa	0.07	0.29			
Vita	0.35	0.90			
Dondaicha	0.67	3.80			
Sakri	0.09	0.52			
Nandurbar	0.03	0.39			
Khandke	0.24	0.45			
Khaparale	0.32	0.76			
Total	3.05	12.36			
CPP					
JSW JAIGAD	26.15	106.01	1216	901	1100
WARDHA	8.89	35.52	373	368	370
Adani	10.10	34.95	480	360	
Other CPPs	9.46	42.22			
Total	54.60	218.70			1470
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.16	39.52	504	285	500
Trombay 6	6.08	21.03	438	156	500
Trombay 7A	2.96	11.73	132	114	120
Trombay 7B	1.63	6.50	70	64	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.82	18.75	405	0	447
Total	25.64	97.54			1627
REL					
1&2	12.35	48.67	530	391	500
Total	12.35	48.67			500
Cent Sect					
Share					4163
Total					4163

MS PG CL	Thermal	114.48	482.40			4895
	Thml+Gas	125.75	526.47			5365
	Hydro	8.52	31.72			1278
	Total	134.27	558.19			6643
State Total		230.22	911.52			14403

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	5283	126	488	5897	177	2142	3406	3323	-305	-394	11145	13	11158	1449	12607	49.94
2	5189	126	488	5803	191	2146	3372	3000	-224	-311	10829	41	10870	1325	12195	49.98
3	4791	156	488	5435	187	2137	3358	3325	-194	-211	10873	40	10913	1259	12172	49.90
4	4711	121	486	5318	199	2138	3380	3373	-217	-87	10941	41	10982	1240	12222	50.00
5	4734	121	491	5346	159	2156	3379	3561	-216	-84	11138	80	11218	1237	12455	49.85
6	4757	196	493	5446	174	2296	3676	3775	-222	-103	11588	395	11983	1358	13341	49.84
7	4796	211	487	5494	188	2389	4095	3844	-412	-127	11814	869	12683	1525	14208	49.79
8	4749	370	486	5605	125	2470	4241	4168	-481	-135	12259	893	13152	1659	14811	49.68
9	4761	428	488	5677	115	2441	4343	4202	-447	-185	12277	903	13180	1912	15092	49.69
10	4826	794	474	6094	45	2475	4401	4262	-487	-227	12676	671	13347	2195	15542	49.75
11	4837	706	476	6019	36	2463	4423	4173	-526	-291	12427	593	13020	2344	15364	49.72
12	4808	650	471	5929	51	2459	4513	4310	-564	-323	12453	741	13194	2393	15587	49.73
13	4617	560	471	5648	75	2459	4615	4387	-568	-345	12226	873	13099	2375	15474	49.89
14	4634	442	469	5545	118	2456	4271	4162	-475	-266	12015	812	12827	2271	15098	49.98
15	4739	302	468	5509	172	2463	4256	4029	-467	-262	11911	719	12630	2269	14899	49.88
16	4756	272	468	5496	149	2447	4281	3967	-476	-295	11764	644	12408	2274	14682	49.96
17	4845	166	452	5463	110	2469	4337	3961	-463	-294	11709	502	12211	2282	14493	49.88
18	4733	134	387	5254	100	2196	4009	3806	-360	-509	10847	393	11240	2252	13492	49.82
19	4758	321	406	5485	169	2163	4357	4280	-449	-473	11669	347	12016	2355	14371	49.88
20	4680	497	465	5642	159	2150	4276	4140	-478	-578	11563	513	12076	2327	14403	49.82
21	4687	446	465	5598	148	2025	4193	3809	-474	-581	11049	455	11504	2184	13688	49.83
22	4651	456	465	5572	80	2015	4197	3910	-474	-734	10846	418	11264	2000	13264	49.93
23	4599	642	466	5707	77	2020	4018	4042	-470	-661	11185	148	11333	1823	13156	49.97
24	4547	281	468	5296	48	2025	3778	3682	-403	-473	10578	103	10681	1628	12309	49.98
MUs	114.49	8.52	11.27	134.28	3.05	54.60	97.18	93.49	-9.85	-7.95	277.78	11.21	288.99	45.94	334.92	49.86

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 04/Jan/2013

Position as on 6.30 Hrs of 05/Jan/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.	
Bhusawal Unit 2	210	19/10/2012	22.22	04/01/2013	22.26	AOH.	
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
Koyna ST-IV 1	250	04/01/2013	10.00		Continued.	Spherical valve work.	
FORCED OUTAGE							
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.	
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.	
Bhusawal Unit 5	500	01/01/2013	05.11		Continued.	Coal Shortage	
Parli Unit 3	210	01/01/2013	16.50	04/01/2013	00.40	Inspection of PA Fan	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Chandrapur Unit 7	500	04/01/2013	02.00		Continued.	Control feed pump trip.	
Khaparkheda Unit 4	210	04/01/2013	02.57	04/01/2013	07.25	Furnace pressure high.	
Paras Unit 3	250	04/01/2013	11.57		Continued.	E.T/L.	
Koradi Unit 7	210	04/01/2013	21.39		Continued.	BLR T/L.	
Bhusawal Unit 2	210	04/01/2013	23.23	05/01/2013	02.08	Static excitation.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2013

Position as on 6.30 Hrs of 05/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.
Dhule-Sar'Sarovar - I	02/01/2013	22.04		Continued.	Over Voltage
765 KV Wardha-Seoni II	03/01/2013	17.46		Continued.	Over Voltage.
Akola - Wardha - I	03/01/2013	23.29	04/01/2013	07.10	Over Voltage.
Akola - Wardha - II	04/01/2013	22.55	05/01/2013	06.55	Over Voltage.
Akola-Aurangabad--II	04/01/2013	23.12	05/01/2013	06.50	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 : 220KV			Outage Type TRIPPED		
Tarapur - Boiser	04/01/2013	10.54	04/01/2013	15.19	Maintenance work.
Mudshingi-Chikodi	04/01/2013	17.40		Continued.	Dist.Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa - Padgha - I	03/01/2013	09.06		Continued.	Repl.of 29C isolator under Jica II Upto 06.01.2013
400/220 KV 300 MVA ICT-I @ Koradi	03/01/2013	11.53		Continued.	Erection,testing of fire fighting system.
400/220 KV 315 MVA ICT - I @ Aurangabad	04/01/2013	10.58	04/01/2013	17.32	Maintenance work.
400/220 KV 315 MVA ICT-II @ Nagothane.	04/01/2013	12.03		Continued.	CTR work.
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.
220/132KV 150MVA ICT @ Boisor	29/12/2012	09.32		Continued.	Breaker repl.under JICA.Taken on TBC.
Trombay - Tata Tie - I	02/01/2013	07.04	04/01/2013	18.46	Maintenance work up to 04/01/2013
Chinchwad-Urse	04/01/2013	08.02	04/01/2013	16.06	Jumpering work.
Chandrapur - Warora	04/01/2013	09.02	04/01/2013	12.50	Measurement of R ph.CT tan delta.
Jambhul - Anandnagar	04/01/2013	09.16	04/01/2013	18.42	Jumpering work.
Karad-Pophali-II	04/01/2013	10.00	04/01/2013	15.05	Jumpering work.
Ghatghar-Jindal	04/01/2013	10.01	04/01/2013	17.05	Attending hot spot.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2013

Position as on 6.30 Hrs of 05/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100KV 200MVA ICT-I at Kalwa	04/01/2013	10.05		Continued.	Maintenance work.
Dhule - Malegaon	04/01/2013	10.19	04/01/2013	14.03	Q.M.Work
Mahad-Pasco	04/01/2013	11.39	04/01/2013	15.30	Maintenance work.
BBLSR-Chalisgaon	04/01/2013	11.42	04/01/2013	14.38	Repl.of flashover insulator.
220 KV Main Bus @ Mahad	04/01/2013	12.05	04/01/2013	14.35	Maintenance Work.
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
Khadka - Deepnagar - II	12/12/2012	09.56	04/01/2013	18.55	Over Voltage.
Bhusawal- Aurangabad	01/01/2013	17.11	04/01/2013	07.52	Over Voltage
Karad - Kolhapur - II	03/01/2013	16.37	04/01/2013	09.13	Over Voltage.
Karad-New Koyna II	03/01/2013	18.26	04/01/2013	09.30	Over Voltage.
Karad - Kolhapur - I	03/01/2013	21.11	04/01/2013	08.45	Over Voltage.
Lonikand- Koyna Stage IV	03/01/2013	23.57	04/01/2013	07.58	Over Voltage.
Karad - Kolhapur - I	04/01/2013	16.11		Continued.	Over Voltage.
Karad - Kolhapur - II	04/01/2013	16.24		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/01/2013	16.39		Continued.	Over Voltage.
Chandrapur - Parli - III	04/01/2013	21.04		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.
Kalwa - Padgha - II	04/01/2013	15.14	04/01/2013	17.17	Dist.protection B-Ph to E.
Voltage Level : 220KV			Outage Type TRIPPED		
Babaleshwar - Nagar - I	04/01/2013	11.27	04/01/2013	12.50	Dist.protection.
Babaleshwar - Alephata	04/01/2013	12.20	04/01/2013	15.34	V.T.Supply Fail.
Chandrapur-Wani	04/01/2013	16.50		Continued.	R-Ph CT Burst at Wani end.
Babaleshwar - Alephata	05/01/2013	02.39	05/01/2013	03.22	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Kandhar	04/01/2013	02.55	04/01/2013	03.15	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	0
	620	120
Bhusawal		
Unit 2	210	150
Unit 3	210	180
Unit 4	500	430
Unit 5	500	
	1420	760
Parli		
Unit 3	210	151
Unit 4	210	0
Unit 5	210	155
Unit 6	250	205
Unit 7	250	0
	1130	511
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	
	2340	1595
Paras		
Unit 3	250	0
Unit 4	250	184
	500	184
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	400
	1340	1120
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	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	
GHATGHAR	250	
	611	187
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	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4306
	3455	4306