



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Jan/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.009	485.020	1) Gujrat	4.966	31.297
2) Hydro	21.837	66.396	2) Madhya Pradesh	19.585	71.216
3) Gas	6.248	26.808	3) Chattisgarh	9.060	33.810
Total MSGENCO	150.094	578.224	4) Maharashtra	70.472	282.898
B) 1) JSW JAIGAD	19.778	78.061	5) Goa	-5.498	-22.887
2) WPCL	2.437	10.521	6) TAPS 1&2 Injection	7.538	30.554
3) ADANI	39.690	141.800	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	11.264	52.182	8) Pench (Excess)	0.229	-0.318
5) Wind Generation	2.085	16.621	# Total Cent. Sector	106.352	426.570
6) PENCH (MS)	0.294	0.841	F) Other Exchanges		
7) SOLAR	0.710	3.018	1) With TPCL (Excess)	-15.695	-61.736
C) 1) TPCL Thermal	17.529	69.388	G) Bilateral Power *		
2) TPCL Hydro	3.509	14.964	1) MSEDCL Bilateral	25.548	56.146
TOTAL TPCL	21.038	84.352	Include PX	-2.485	-12.984
3) REL Thermal	11.246	45.231	2) MUMBAI Bilateral	12.174	46.386
D) STATE			Include PX	4.006	13.667
1) Thermal (A1+C1+C3)	150.784	599.639	3) MUMBAI Schedule	12.174	46.386
2) Hydro (A2+B6+C2)	25.640	82.201	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.248	26.808	1) MSEDCL	317.009	1246.102
4) Wind (B5)	2.085	16.621	2) TPCL	31.495	125.756
5) CPP/IPP (B1+B2+B3+B4)	73.169	180.454	3) REL	16.486	65.560
6) SOLAR (B7)	0.710	3.018	TOTAL STATE	364.990	1437.418
TOTAL STATE	258.636	908.741			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5150	5172	4814
MSGENCO Hydro	2315	1958	117
MSGENCO Gas	257	255	268
MSGENCO Total Generation	7722	7385	5199
Central Sector Receipt	5068	4604	3795
WIND	59	38	128
CPP / IPP	2979	2893	3051
SOLAR	90	20	0
Exchange with Mumbai	-756	-617	-388
MSEDCL DEMAND MET	15215	14323	11785
Load Shedding	815	586	6
MSEDCL DEMAND	16030	14909	11791
TPCL GENERATION	1194	1113	598
R-INFRA GENERATION	523	521	388
TPCL+R-INFRA DEMAND	2473	2251	1374
STATE DEMAND MET	17688	16574	13159
STATE DEMAND	18503	17160	13165
Frequency (Hz)	49.87	49.92	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 04:59 Hrs	49.61 Hz at 22:02 Hrs	49.98	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/2014

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	3.98	15.38	185	130	145
Unit 7	4.04	12.35	190	150	160
Total	8.02	27.73			305
Bhusawal					
Unit 2	3.34	13.36	145	130	135
Unit 3	3.41	13.92	150	125	145
Unit 4	7.78	33.73	360	275	350
Unit 5	5.59	24.21	255	215	0
Total	20.12	85.23			630
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.57	14.40	158	135	160
Unit 5	3.55	14.56	166	135	160
Unit 6	4.53	17.89	208	165	170
Unit 7	4.39	17.51	208	156	160
Total	16.04	64.36			650
Chandrapur					
Unit 1	3.13	12.60	137	126	135
Unit 2	3.25	12.78	146	128	130
Unit 3	4.12	16.24	185	145	180
Unit 4	4.62	18.12	205	180	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.46	38.19	420	359	400
Unit 7	9.10	36.97	406	348	400
Total	33.68	134.90			1455
Paras					
Unit 3	2.42	11.21	228	0	0
Unit 4	5.18	20.37	234	195	230
Total	7.60	31.58			230
Khaparkheda					
Unit 1	3.30	12.86	155	120	162
Unit 2	3.20	11.94	155	115	144
Unit 3	3.70	11.61	172	142	173
Unit 4	3.53	14.07	157	141	173
Unit 5	10.07	40.28	480	350	470
Total	23.78	90.77			1122
Nasik					
Unit 3	4.18	16.64	190	160	190
Unit 4	4.26	16.82	185	169	190
Unit 5	4.31	16.99	190	167	190
Total	12.76	50.45			570
Uran					
All Units	6.25	26.81	269	254	300
Total	6.25	26.81			300
PENCH (MS)					
Pench (MS)	0.29	0.84	53	0	0
Total	0.29	0.84			0
Koyna					
Stage 1-2	4.32	14.30	480	40	600
Stage 4	9.96	26.13	1120	0	250
Stage 3	2.87	8.57	320	0	320
Kovna 12&4 Total	14.28	40.44			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	17.14	49.00			1170
Hydro					
KDPH	0.46	1.22	19	19	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.08	0.30	4	3	2
BHIRA T.R.	0.25	0.79	41	0	40
RNGR+BHTSA	0.00	0.89	0	0	15
BHANDARDRA	0.48	0.68	48	0	10
ELDARY	0.00	0.27	0	0	0
SMLHY PTN	1.12	4.38	54	44	3
GHATGHAR	2.31	8.86	240	0	0
Total	4.69	17.39			88
Wind					
MalharPeth	0.09	0.99			
Vankuswadi	0.18	1.38			
ATIT	0.01	1.00			
Kale	0.06	0.55			
Satara	0.60	3.32			
Shirala	0.04	0.47			
K Mahankal	0.02	0.76			
Supa	0.03	0.37			
Vita	0.29	0.93			
Dondaicha	0.46	4.21			
Sakri	0.08	0.56			
Nandurbar	0.05	0.27			
Khandke	0.16	1.05			
Khaparale	0.02	0.75			
Total	2.08	16.62			
CPP					
JSW JAIGAD	19.78	78.06	892	708	820
WARDHA	2.44	10.52	106	98	103
Adani	39.69	141.80	1830	1430	1851
Other CPPs	11.26	52.18			245
Total	73.17	282.56			3019
SOLAR					
Total	0.71	3.02			
Total	0.71	3.02			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.88	39.31	499	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	4.77	50	49	120
Trombay 7B	0.98	3.93	42	40	60
Trombay 8	5.48	21.38	253	185	250
TATA Hydro	3.51	14.96	447	0	447
Total	21.04	84.35			1377
REL					
1&2	11.25	45.23	525	284	500
Total	11.25	45.23			500
Cent Sect					
Share					4905
Total					4905
MS PG CL	Thermal	122.01	485.02		4962
	Thml+Gas	128.26	511.83		5262
	Hydro	21.84	66.40		1258
	Total	150.09	578.22		6520
State Total		258.64	908.74		16321

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Jan/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4789	107	266	5162	79	3115	0	3849	3886	-489	-637	11605	6	11611	1619	13230	50.04
2	4795	112	266	5173	79	3110	0	3798	3853	-438	-487	11728	6	11734	1474	13208	50.01
3	4808	107	268	5183	98	3127	0	3744	3952	-385	-426	11934	6	11940	1412	13352	50.13
4	4814	117	268	5199	128	3051	0	3755	3795	-389	-388	11785	6	11791	1374	13165	50.08
5	4864	106	268	5238	119	3035	0	3751	4432	-396	-405	12419	6	12425	1389	13814	50.12
6	4940	106	268	5314	113	3045	0	4191	4707	-414	-498	12681	193	12874	1486	14360	50.07
7	5007	111	269	5387	110	3160	0	4425	4547	-422	-451	12779	877	13656	1629	15285	49.92
8	5120	926	269	6315	123	3120	8	4404	4688	-318	-351	13945	1034	14979	1741	16720	49.91
9	5087	1769	269	7125	65	3149	34	4349	4183	-369	-449	14159	938	15097	1973	17070	49.87
10	5153	2125	260	7538	62	3060	75	4542	4693	-489	-596	14885	755	15640	2264	17904	49.87
11	5150	2315	257	7722	59	2979	90	4604	5068	-577	-756	15215	815	16030	2473	18503	49.87
12	5164	2295	255	7714	41	2943	136	4615	4954	-599	-807	14994	935	15929	2517	18446	49.96
13	5222	2094	255	7571	31	3013	116	4597	4906	-579	-789	14873	1102	15975	2496	18471	50.02
14	5268	1857	255	7380	26	3018	105	4545	4521	-503	-718	14358	947	15305	2343	17648	50.03
15	5221	1763	255	7239	47	2874	79	4545	4998	-476	-649	14592	683	15275	2314	17589	50.00
16	5195	2061	255	7511	38	2794	41	4462	4836	-480	-572	14648	581	15229	2283	17512	49.97
17	5172	1958	255	7385	38	2893	20	4454	4604	-451	-617	14323	586	14909	2251	17160	49.92
18	5203	665	255	6123	82	2973	6	4159	3963	-460	-780	12367	678	13045	2245	15290	49.95
19	5213	172	255	5640	76	3160	0	4746	4763	-611	-833	12806	518	13324	2365	15689	49.94
20	5278	204	255	5737	133	3182	0	4732	4570	-672	-948	12674	382	13056	2372	15428	50.03
21	5212	184	254	5650	145	3161	0	4445	4411	-632	-903	12464	248	12712	2244	14956	49.97
22	5224	193	255	5672	123	3122	0	3838	4004	-567	-881	12040	159	12199	2087	14286	49.96
23	5114	305	258	5677	154	3023	0	3823	3916	-726	-902	11868	49	11917	1896	13813	49.94
24	4996	185	258	5439	116	3042	0	3910	4102	-733	-852	11847	47	11894	1732	13626	50.05
MUs	122.01	21.84	6.25	150.09	2.08	73.15	0.71	102.28	106.35	-12.17	-15.70	316.99	11.56	328.55	47.98	376.52	49.98

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/2014

Position as on 6.30 Hrs of 05/Jan/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
REL 1	250	04/01/2014	23.38		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Koradi Unit 5	200	19/12/2013	01.29		Continued.	I D Fan Problem.	
CPP WPCL U-4	135	22/12/2013	00:07		Continued.	Generation Water Cooler Leakage.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
CPP WPCL U-1	135	31/12/2013	01.21		Continued.	I D Fan Problem.	
Paras Unit 3	250	02/01/2014	21.51	04/01/2014	11.12	Boiler Tube Leakage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Koyna Unit 1	75	04/01/2014	07.10	04/01/2014	16.35	P.M.work	
CPP INDIABULLS	270	04/01/2014	09.18		Continued.	Coal Shortage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2014

Position as on 6.30 Hrs of 05/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	03/01/2014	09.35	04/01/2014	15.38	A.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	Over Voltage,(Ready for charging)
Kolhapur - Mapusa - I	03/01/2014	16.10	04/01/2014	09.20	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	03/01/2014	17.10	04/01/2014	06.41	Over Voltage.
Dhule-Sar'Sarovar - I	03/01/2014	21.45	04/01/2014	06.17	Over Voltage.
Kolhapur - Mapusa - I	04/01/2014	16.04	05/01/2014	08.14	Over Voltage
Kolhapur-Solapur(PGCIL)-I	04/01/2014	16.40	05/01/2014	07.16	Over Voltage
Dhule-Sar'Sarovar - I	04/01/2014	22.17	05/01/2014	07.20	Over Voltage
Kolhapur - Mapusa - I	05/01/2014	16.07		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	05/01/2014	17.48		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	05/01/2014	23.44		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Repl.of Old 200 MVA ICT Under LES
400/220KV,315 MVA ICT-I at BBLSR	04/01/2014	08.26	04/01/2014	18.01	Relay Testing
400/220/33KV,500 MVA ICT-I At Kalwa	05/01/2014	08.15		Continued.	Testing work,while taking I/S, tripped on Buchholz at 18.18Hrs.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Khaperkheda - Wardha.	30/12/2013	09.53	05/01/2014	23.44	Connection of Jumpering Work Towards the LILO Arrangement for Butibori III S/S ON 220 KV Khaperkheda Wardha Line.
Pedambe - Oni	04/01/2014	08.05	04/01/2014	18.35	P.M.Work
Trombay-Dharavi	04/01/2014	09.10	04/01/2014	16.30	Hot Spot
Raymond - TKS	04/01/2014	09.15	04/01/2014	18.21	Relay Testing
220/132KV 150MVA T/F VII at Chinchwad	04/01/2014	09.47	04/01/2014	11.17	Bus Isolator replacement
Mudshingi - Peth	04/01/2014	10.02	04/01/2014	17.47	Repl.of Insulator String
Khadki - VSNL	04/01/2014	10.27	04/01/2014	17.01	Hot Spot
Main Bus-I at Trombay	05/01/2014	00.53	05/01/2014	09.21	Disconnecting Overhead M.B.span above R.Infra GIS and Connecting the Bus via U/G cable
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2014

Position as on 6.30 Hrs of 05/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
New Koyna - Dabhol - II	01/01/2014	02.54		Continued.	Over Voltage.
Bhusawal - Deepnagar - II	03/01/2014	15.47		Continued.	For Change Over.
Karad - Kolhapur - II	03/01/2014	17.06	04/01/2014	09.26	Over Voltage.
Bhusawal- Aurangabad	03/01/2014	17.18	04/01/2014	09.01	Over Voltage.
Karad-Jaigad I	03/01/2014	20.31	04/01/2014	08.53	Over Voltage.
Karad - Kolhapur - II	04/01/2014	16.33	05/01/2014	09.15	Over Voltage
Karad-Jaigad I	04/01/2014	17.05	05/01/2014	08.58	Over Voltage
Bhusawal- Aurangabad	04/01/2014	17.08	04/01/2014	07.18	Over Voltage
Karad-Kolhapur-II	05/01/2014	16.48		Continued.	Over Voltage
Bhusawal- Aurangabad	05/01/2014	17.04		Continued.	Over Voltage
400/220 KV 600 MVA ICT-II @ Kalwa	05/01/2014	18.29	05/01/2014	19.25	Burning of tape of y phase bushing of Tertiary winding
Lonikand- Koyna Stage IV	05/01/2014	22.01		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	To control Paras-Chikhali line loading
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	To control Paras-Chikhali line loading
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Girwali - Kej	03/01/2014	22.45	04/01/2014	13.25	Girwali end,As at Yedeshwari end R-Ph bus PT burst.Yedeshwari Co-Gen is lilo on 132KV Girawali-Kej Ckt.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Talangade - Mudshingi - I	04/01/2014	15.22	04/01/2014	19.45	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	170
	620	330
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	410
Unit 5	500	0
	1420	700
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	170
Unit 6	250	200
Unit 7	250	200
	1130	740
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	400
Unit 7	500	425
	2340	1515
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	500
	1340	1220
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	280
	852	280
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	27
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	88
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	1200	780
WARDHA	405	110
Adani	1980	1851
Other CPPs	300	
	3885	2741
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5074
	3455	5074