



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Jan/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.639	474.253	1) Gujrat	-0.611	-11.121
2) Hydro	5.079	28.838	2) Madhya Pradesh	13.212	43.896
3) Gas	10.183	42.129	3) Chattisgarh	4.500	17.730
Total MSGENCO	131.901	545.220	4) Maharashtra Net	71.603	266.765
B) 1) JSW JAIGAD	19.210	78.572	(Incl. 765kV Solapur-Raichur)	-11.222	-48.216
2) WPCL	2.431	6.639	5) Goa	-5.112	-23.573
3) ADANI	38.720	163.620	6) TAPS 1&2 Injection	2.452	9.831
4) Other CPP / IPP	22.604	91.479	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.812	13.710	8) Pench (Excess)	-0.431	-2.513
6) PENCH (MS)	0.431	2.513	# Total Cent. Sector	85.613	301.015
7) SOLAR	0.949	2.277	F) Other Exchanges		
C) 1) TPCL Thermal	8.534	46.417	1) With TPCL (Excess)	-24.377	-87.888
2) TPCL Hydro	1.237	7.957	G) Bilateral Power *		
TOTAL TPCL	9.771	54.374	1) MSEDCL Bilateral	16.008	67.429
3) REL Thermal	5.452	31.656	Include PX	-7.528	-21.610
D) STATE			2) MUMBAI Bilateral	17.166	71.859
1) Thermal (A1+C1+C3)	130.625	552.326	Include PX	0.584	0.268
2) Hydro (A2+B6+C2)	6.747	39.308	3) MUMBAI Schedule	17.166	73.059
3) Gas (A3)	10.183	42.129	H) ENERGY CATERED (MUs)		
4) Wind (B5)	7.812	13.710	1) MSEDCL	285.294	1117.157
5) CPP/IPP (B1+B2+B3+B4)	82.965	340.310	2) TPCL	24.440	108.178
6) SOLAR (B7)	0.949	2.277	3) REL	15.162	65.734
TOTAL STATE	239.281	990.060	TOTAL STATE	324.896	1291.069

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5244	5118	4500
MSGENCO Hydro	394	128	290
MSGENCO Gas	428	422	403
MSGENCO Total Generation	6066	5668	5193
Central Sector Receipt	4597	4419	2250
WIND	327	187	131
CPP / IPP	3800	3660	3334
SOLAR	118	160	0
Exchange with Mumbai	-1110	-1204	-766
MSEDCL DEMAND MET	13831	12890	10142
Load Shedding	62	115	54
MSEDCL DEMAND	13893	13005	10196
TPCL GENERATION	500	406	352
R-INFRA GENERATION	263	195	195
TPCL+R-INFRA DEMAND	1873	1805	1313
STATE DEMAND MET	15704	14695	11455
STATE DEMAND	15766	14810	11509
Frequency (Hz)	50.00	50.10	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 23.58 Hrs	49.73 Hz at 09.10 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 04/Jan/2015

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	3.90	15.33	170	150	170
Unit 7	3.76	15.56	168	145	180
Total	7.66	30.89			350
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.08	11.04	76	0	0
Unit 4	9.52	36.40	505	360	366
Unit 5	9.11	35.64	490	355	360
Total	18.70	83.08			726
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.59	14.31	152	143	150
Unit 6	4.84	19.07	220	191	195
Unit 7	4.84	18.98	235	192	195
Total	13.27	52.36			540
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.17	12.97	136	127	145
Unit 3	3.03	9.13	166	22	75
Unit 4	4.23	16.24	183	158	200
Unit 5	7.46	32.01	365	245	450
Unit 6	6.89	27.98	355	240	400
Unit 7	7.62	30.39	355	281	400
Total	32.39	128.72			1670
Paras					
Unit 3	4.60	18.17	208	181	201
Unit 4	4.66	18.38	212	185	201
Total	9.26	36.54			402
Khaparkheda					
Unit 1	3.96	15.46	180	160	180
Unit 2	3.89	14.57	180	150	180
Unit 3	4.51	17.39	208	181	210
Unit 4	4.44	17.14	210	175	210
Unit 5	10.11	37.78	500	390	500
Total	26.91	102.33			1280
Nasik					
Unit 3	4.24	16.60	195	170	200
Unit 4	4.20	16.63	189	168	190
Unit 5	0.00	7.10	0	0	0
Total	8.43	40.33			390
Uran					
All Units	10.18	42.13	467	401	465
Total	10.18	42.13			465
PENCH (MS)					
Pench (MS)	0.43	2.51	47	0	
Total	0.43	2.51			
Koyna					
Stage 1-2	1.75	12.20	345	40	600
Stage 4	0.00	1.29	0	0	250
Stage 3	0.25	2.91	82	0	240
Kovna 12&4 Total	1.75	13.50			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.00	16.40			1090
Hydro					
KDPH	0.44	1.78	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	1.53	64	0	64
BHTGR/VEER	0.09	0.36	4	3	5
BHIRA T.R.	0.12	0.46	80	0	80
RNGR+BHTSA	0.33	1.40	14	13	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.29	4.53	61	50	11
GHATGHAR	0.42	2.37	125	0	0
Total	3.08	12.43			194
Wind					
MalharPeth	0.11	0.29			
Vankuswadi	0.25	0.54			
ATIT	0.03	0.05			
Kale	0.12	0.20			
Satara	4.08	6.57			
Shirala	0.16	0.24			
K Mahankal	0.03	0.04			
Supa	0.08	0.17			
Vita	1.51	2.46			
Dondaicha	0.67	1.75			
Sakri	0.06	0.16			
Nandurbar	0.22	0.48			
Khandke	0.38	0.58			
Khaparale	0.10	0.17			
Total	7.81	13.71			
CPP					
JSW JAIGAD	19.21	78.57	866	726	812
WARDHA	2.43	6.64	110	86	0
Adani	38.72	163.62	1810	1270	1728
Other CPPs	22.60	91.48			745
Total	82.96	340.31			3285
SOLAR					
Total	0.95	2.28			
Total	0.95	2.28			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	21.75	0	0	500
Trombay 6	3.60	5.18	151	148	0
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	4.94	19.49	249	200	250
TATA Hydro	1.24	7.96	142	0	447
Total	9.77	54.37			1197
REL					
1&2	5.45	31.66	456	193	250
Total	5.45	31.66			250
Cent Sect					
Share					4626
Total					4626
MS PG CL	Thermal	116.64	474.25		5358
	Thml+Gas	126.82	516.38		5823
	Hydro	5.08	28.84		1284
	Total	131.90	545.22		7107
State Total		239.28	990.06		16465

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Jan/2015

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	4604	125	401	5130	93	3460	0	2123	2631	-718	-726	10598	85	10683	1533	12216	49.99
2	4513	130	401	5044	98	3437	0	1796	2480	-670	-614	10445	54	10499	1411	11910	50.03
3	4500	290	403	5193	131	3334	0	1924	2250	-670	-766	10142	54	10196	1313	11509	50.06
4	4559	135	404	5098	213	3116	0	2813	2548	-670	-734	10258	54	10312	1278	11590	50.05
5	4581	126	465	5172	259	3017	0	3084	2930	-670	-741	10670	55	10725	1287	12012	49.96
6	4605	132	467	5204	314	3037	0	3183	3332	-670	-815	11112	62	11174	1359	12533	49.98
7	4621	272	465	5358	393	3026	2	3632	3994	-581	-879	11926	74	12000	1424	13424	49.97
8	4666	209	466	5341	415	3169	7	4515	4818	-673	-793	12997	87	13084	1474	14558	49.88
9	4873	564	456	5893	328	3578	29	4535	4443	-734	-946	13372	82	13454	1618	15072	49.98
10	5169	440	426	6035	329	3845	75	4566	4360	-806	-996	13688	75	13763	1746	15509	49.94
11	5244	394	428	6066	327	3800	118	4650	4597	-801	-1110	13831	62	13893	1873	15766	50.00
12	5261	220	426	5907	284	3847	148	4676	4713	-812	-1112	13787	60	13847	1888	15735	49.98
13	5302	138	424	5864	240	3719	129	4547	4376	-710	-1189	13139	68	13207	1887	15094	49.99
14	5118	128	422	5668	187	3660	160	4545	4419	-695	-1204	12890	115	13005	1805	14810	50.10
15	4921	143	420	5484	158	3630	127	4529	4382	-691	-1144	12637	67	12704	1734	14438	50.07
16	4927	213	413	5553	133	3621	95	4533	4572	-689	-1107	12867	65	12932	1669	14601	50.01
17	4930	142	412	5484	135	3636	51	4297	4000	-707	-1103	12203	66	12269	1654	13923	50.01
18	4900	148	413	5461	181	3651	8	3346	3177	-702	-1138	11367	69	11436	1694	13130	49.98
19	4887	229	413	5529	303	3682	0	3887	4148	-709	-1278	12410	67	12477	1898	14375	49.98
20	4925	309	413	5647	436	3599	0	3862	3621	-732	-1302	12012	63	12075	1932	14007	50.01
21	4938	196	414	5548	530	3533	0	3380	3191	-762	-1282	11545	61	11606	1908	13514	49.97
22	4900	132	410	5442	628	3365	0	2776	2708	-813	-1274	10894	59	10953	1833	12786	50.04
23	4841	137	418	5396	828	3124	0	2336	2073	-756	-1157	10278	59	10337	1788	12125	50.01
24	4854	127	403	5384	869	3079	0	1964	1850	-727	-967	10226	59	10285	1594	11879	50.12
MUs	116.64	5.08	10.18	131.90	7.81	82.96	0.95	85.50	85.61	-17.17	-24.38	285.29	1.62	286.92	39.60	326.52	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 # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 04/Jan/2015

Position as on 6.30 Hrs of 05/Jan/2015

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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
Tata Trombay 5	500	03/01/2015	20.30		Continued.	Annual Maintenance	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
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-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
Cent_Sect TARAPUR-3	540	19/12/2014	19.04		Continued.	W/Dn.	
CPP WPCL U-3	135	25/12/2014	14.02		Continued.	ID Fan Problem.	
Uran Unit 7	108	28/12/2014	04.49		Continued.	Gas Shortage.	
Chandrapur Unit 3	210	02/01/2015	14.32	04/01/2015	00.13	Mechanical Fault.	
Nasik Unit 5	210	02/01/2015	19.35		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	02/01/2015	20.51		Continued.	W/Dn.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 04/Jan/2015

Position as on 6.30 Hrs of 05/Jan/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Bhusawal Unit 3	210	04/01/2015	00.36		Continued.	Boiler Tube Leakage	
REL 2	250	04/01/2015	01.55		Continued.	Tripped	
CPP Adani U-4	660	04/01/2015	03.24		Continued.	MOV Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2015

Position as on 6.30 Hrs of 05/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Solapur(PGCIL)-I	04/01/2015	09.41	04/01/2015	19.41	PGCIL Outage
Kalwa - Talegaon (PGCIL)	04/01/2015	11.00	04/01/2015	14.41	Testing of Distance Protection
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	03/01/2015	16.11	04/01/2015	09.00	Over Voltage
Dhule-Sar'Sarovar - I	03/01/2015	20.51	04/01/2015	12.51	Over Voltage
Kolhapur-Solapur (PG) II	04/01/2015	02.25		Continued.	Over Voltage
Kolhapur - Mapusa - II	04/01/2015	16.09		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	04/01/2015	16.51		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
Lamboti - Solapur (PGCIL)	03/01/2015	06.04	04/01/2015	01.22	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Kalwa - Salshet - IV	04/01/2015	06.08	04/01/2015	18.11	Hot Spot
Dahanu-Versova	04/01/2015	09.31	04/01/2015	13.31	Vibration Damper replacement
Talegaon (Ambi) - General Motor	04/01/2015	11.00	04/01/2015	14.36	Replacement of CT
Trombay - Sonkar	04/01/2015	11.06	04/01/2015	16.43	Relay Testing work
Babaleshwar - Babaleshwar - II	04/01/2015	17.14	04/01/2015	18.25	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Babaleshwar-Taptitanda I	02/01/2015	19.19		Continued.	Over Voltage.
Karad - Kolhapur - I	03/01/2015	16.09	04/01/2015	08.57	Over Voltage
Bhusawal- Aurangabad	03/01/2015	16.49		Continued.	Over Voltage
Karad-Jaigad I	03/01/2015	16.51	04/01/2015	09.26	Over Voltage
Babaleshwar-Taptitanda I	03/01/2015	18.16		Continued.	Over Voltage
Lonikand- Koyna Stage IV	03/01/2015	20.26	04/01/2015	07.19	Over Voltage
Karad - Lonikand	04/01/2015	02.52	04/01/2015	09.21	Over Voltage
Karad-Jaigad I	04/01/2015	16.03		Continued.	Over Voltage
Lonikand- Koyna Stage IV	04/01/2015	17.41		Continued.	Over Voltage
Karad - Kolhapur - II	04/01/2015	19.55		Continued.	Over Voltage
Deepnagar-Tapitatanda	04/01/2015	22.13	05/01/2015	06.28	Over Voltage
Karad - Lonikand	04/01/2015	22.29		Continued.	Over Voltage
Padgha - Nagothane - I	04/01/2015	23.31		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jan/2015

Position as on 6.30 Hrs of 05/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
JEUR-Tembhurni	31/12/2014	21.28		Continued.	For sefety due to fire on ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
New Koyna - Dabhol - I	02/01/2015	03.02		Continued.	Over Voltage.
Karad - Kolhapur - II	04/01/2015	03.03	04/01/2015	09.16	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/132KV 100 MVA,ICT-I at Jeur	31/12/2014	21.28		Continued.	Diff.Prot.Optd.
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Patur	05/01/2015	01.50		Continued.	CC Burst at Paras
Malegaon-Patur	05/01/2015	01.50	05/01/2015	02.40	CC Burst at Paras

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	165
	620	325
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	348
Unit 5	500	348
	1420	696
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	200
Unit 7	250	200
	1130	550
Chandrapur		
Unit 1	210	0
Unit 2	210	145
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
Unit 6	500	400
Unit 7	500	400
	2340	1775
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1280
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	0
	630	390
Uran		
All Units	852	465
	852	465
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	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	193
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	855
WARDHA	405	110
Adani	2640	1851
Other CPPs	300	745
	4545	3561
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5312
	3455	5312

	21940	17524
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