



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Nov/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.185	406.924	1) Gujrat	7.088	21.519
2) Hydro	15.831	38.698	2) Madhya Pradesh	17.922	68.456
3) Gas	9.998	38.763	3) Chattisgarh	9.920	38.970
Total MSGENCO	125.014	484.385	4) Maharashtra Net	103.619	406.205
B) 1) JSW JAIGAD	22.510	90.937	(Incl. 765kV Solapur-Raichur)	-7.285	-32.199
2) WPCL	2.632	10.123	5) Goa	-6.901	-25.934
3) ADANI	56.870	220.390	6) TAPS 1&2 Injection	3.539	12.335
4) Other CPP / IPP	20.340	74.890	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.723	28.834	8) Pench (Excess)	-0.596	-3.181
6) PENCH (MS)	0.596	3.181	# Total Cent. Sector	134.591	518.370
7) SOLAR	1.067	4.026	F) Other Exchanges		
C) 1) TPCL Thermal	13.459	67.661	1) With TPCL (Excess)	-27.509	-89.586
2) TPCL Hydro	4.306	13.614	G) Bilateral Power *		
TOTAL TPCL	17.765	81.275	1) MSEDCL Bilateral	34.166	137.328
3) REL Thermal	12.445	49.334	Include PX	10.864	42.159
D) STATE			2) MUMBAI Bilateral	22.940	85.605
1) Thermal (A1+C1+C3)	125.089	523.919	Include PX	3.372	10.882
2) Hydro (A2+B6+C2)	20.733	55.493	3) MUMBAI Schedule	22.940	85.666
3) Gas (A3)	9.998	38.763	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.723	28.834	1) MSEDCL	338.834	1345.550
5) CPP/IPP (B1+B2+B3+B4)	102.352	396.340	2) TPCL	34.848	133.443
6) SOLAR (B7)	1.067	4.026	3) REL	22.875	86.755
TOTAL STATE	261.962	1047.375	TOTAL STATE	396.557	1565.748

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4153	4825	3759
MSGENCO Hydro	1358	399	602
MSGENCO Gas	420	408	410
MSGENCO Total Generation	5931	5632	4771
Central Sector Receipt	7220	7184	5107
WIND	136	91	163
CPP / IPP	4161	4170	4155
SOLAR	152	154	0
Exchange with Mumbai	-1332	-1327	-918
MSEDCL DEMAND MET	16268	15931	13325
Load Shedding	876	844	246
MSEDCL DEMAND	17144	16775	13571
TPCL GENERATION	994	913	351
R-INFRA GENERATION	518	521	521
TPCL+R-INFRA DEMAND	2844	2761	1790
STATE DEMAND MET	19112	18692	15115
STATE DEMAND	19988	19536	15361
Frequency (Hz)	49.95	49.99	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 21.45 Hrs	49.68 Hz at 22.09 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/Nov/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	3.86	13.88	173	145	145
Unit 7	3.47	13.38	160	119	140
Total	7.32	27.26			285
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	8.04	31.78	480	300	300
Unit 5	2.08	2.08	295	0	0
Total	10.12	33.87			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.64	14.45	162	137	160
Unit 6	4.68	18.43	250	178	180
Unit 7	4.37	17.83	195	163	180
Total	12.70	50.71			520
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.45	12.42	147	0	150
Unit 3	3.54	14.28	161	133	160
Unit 4	3.87	15.74	185	130	165
Unit 5	7.59	30.62	450	283	300
Unit 6	7.11	29.21	395	240	300
Unit 7	6.71	29.27	307	221	300
Total	31.27	131.54			1375
Paras					
Unit 3	4.59	18.02	244	170	180
Unit 4	4.44	17.71	215	153	180
Total	9.02	35.73			360
Khaparkheda					
Unit 1	4.18	15.68	200	155	170
Unit 2	3.94	15.30	175	125	170
Unit 3	4.24	16.23	205	168	170
Unit 4	4.29	16.23	212	170	170
Unit 5	0.00	22.28	0	0	0
Total	16.64	85.71			680
Nasik					
Unit 3	4.04	16.24	195	160	190
Unit 4	4.07	16.12	188	158	190
Unit 5	4.00	9.75	187	159	190
Total	12.11	42.11			570
Uran					
All Units	10.00	38.76	433	404	420
Total	10.00	38.76			420
PENCH (MS)					
Pench (MS)	0.60	3.18	54	0	
Total	0.60	3.18			
Koyna					
Stage 1-2	4.74	13.52	570	40	530
Stage 4	6.54	7.33	560	0	250
Stage 3	1.99	4.61	240	0	240
Kovna 12&4 Total	11.29	20.86			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.28	25.47			1020
Hydro					
KDPH	0.30	0.30	19	0	0
VTRNA	1.05	4.10	61	0	62
TILLARI	0.37	1.42	62	0	64
BHTGR/VEER	0.09	0.40	4	3	3
BHIRA T.R.	0.24	0.69	80	0	80
RNGR+BHTSA	0.00	0.33	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	0.69	15	14	0
SMLHY PTN	0.16	1.28	14	3	26
GHATGHAR	0.00	4.02	0	0	0
Total	2.56	13.23			235
Wind					
MalharPeth	0.08	1.10			
Vankuswadi	0.14	2.10			
ATIT	0.02	0.24			
Kale	0.06	1.13			
Satara	1.53	16.53			
Shirala	0.08	1.07			
K Mahankal	0.01	0.09			
Supa	0.03	0.29			
Vita	0.50	3.99			
Dondaicha	0.11	0.48			
Sakri	0.04	0.06			
Nandurbar	0.04	0.67			
Khandke	0.04	0.50			
Khaparale	0.04	0.58			
Total	2.72	28.83			
CPP					
JSW JAIGAD	22.51	90.94	940	935	855
WARDHA	2.63	10.12	112	104	110
Adani	56.87	220.39	2600	2260	2315
Other CPPs	20.34	74.89			745
Total	102.35	396.34			4025
SOLAR					
Total	1.07	4.03			
Total	1.07	4.03			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	5.12	34.53	477	0	0
Trombay 6	3.74	14.94	157	155	500
Trombay 7A	2.95	11.64	127	118	120
Trombay 7B	1.65	6.55	70	67	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.31	13.61	467	0	447
Total	17.76	81.28			1127
REL					
1&2	12.44	49.33	521	509	500
Total	12.44	49.33			500
Cent Sect					
Share					6595
Total					6595
MS PG CL	Thermal	99.18	406.92		4090
	Thml+Gas	109.18	445.69		4510
	Hydro	15.83	38.70		1255
	Total	125.01	484.38		5765
State Total		261.96	1047.38		18012

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Nov/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	3847	437	412	4696	216	4177	0	4812	5074	-853	-1094	13123	145	13268	2167	15435	49.93
2	3807	695	412	4914	210	4142	0	4942	5235	-820	-1009	13546	221	13767	1985	15752	49.96
3	3776	750	410	4936	210	4167	0	4939	5182	-796	-988	13557	235	13792	1858	15650	49.94
4	3759	602	410	4771	163	4155	0	5058	5107	-774	-918	13325	246	13571	1790	15361	49.94
5	3816	570	410	4796	167	4146	0	5047	5261	-774	-891	13519	257	13776	1760	15536	49.98
6	3829	1057	412	5298	147	4189	0	5058	5505	-811	-943	14221	459	14680	1812	16492	50.04
7	3898	1240	430	5568	152	4183	1	4882	5424	-785	-984	14368	991	15359	1854	17213	49.97
8	3942	828	432	5202	121	4156	26	4697	5161	-807	-980	13726	1015	14741	1975	16716	49.98
9	3973	832	433	5238	74	4156	72	4766	4839	-793	-1224	13158	945	14103	2206	16309	49.99
10	4001	1116	430	5547	83	4194	116	5791	6211	-894	-1288	14863	720	15583	2553	18136	49.94
11	4028	1035	426	5489	103	4160	142	6155	6566	-1110	-1327	15133	753	15886	2747	18633	49.91
12	4153	1358	420	5931	136	4161	152	6607	7220	-1155	-1332	16268	876	17144	2844	19988	49.95
13	4696	866	413	5975	101	4175	154	6540	6963	-1149	-1401	15980	987	16967	2839	19806	50.01
14	4825	399	408	5632	91	4170	154	6485	7184	-1071	-1327	15931	844	16775	2761	19536	49.99
15	4846	256	408	5510	77	4160	113	6710	7452	-1076	-1328	16021	602	16623	2779	19402	49.94
16	4225	667	415	5307	64	4227	93	6621	6856	-1078	-1152	15416	488	15904	2803	18707	49.97
17	4137	463	404	5004	62	4340	39	6073	5954	-1052	-1141	14282	513	14795	2765	17560	49.98
18	4082	458	420	4960	48	4432	5	5433	5312	-1012	-1204	13586	704	14290	2725	17015	50.00
19	4173	584	417	5174	67	4420	0	5404	5429	-1076	-1229	13883	526	14409	2770	17179	50.05
20	4216	553	417	5186	105	4481	0	5165	4799	-1044	-1206	13385	709	14094	2739	16833	50.05
21	4290	370	416	5076	90	4503	0	5149	4843	-1017	-1247	13265	566	13831	2635	16466	50.02
22	4260	174	413	4847	75	4459	0	4802	4664	-1080	-1188	12857	379	13236	2533	15769	50.12
23	4281	299	415	4995	94	4512	0	4368	4197	-945	-1081	12742	213	12955	2445	15400	49.94
24	4325	222	415	4962	67	4487	0	4377	4157	-968	-1027	12683	184	12867	2374	15241	50.00
MUs	99.18	15.83	10.00	125.01	2.72	102.3 5	1.07	129.88	134.60	-22.94	-27.51	338.84	13.58	352.42	57.72	410.14	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/Nov/2014

Position as on 6.30 Hrs of 05/Nov/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	
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)	
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	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
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.	
Uran Unit 6	108	24/10/2014	15.58		Continued.	gas shortage	
Bhusawal Unit 3	210	27/10/2014	04.58		Continued.	poor coal receipt	
Bhusawal Unit 5	500	27/10/2014	15.02	04/11/2014	13.10	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP Adani U-4	660	30/10/2014	01.50	04/11/2014	15.19	Main Stream Drum Leakage	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
CPP JSW (J) U4	300	01/11/2014	05.42		Continued.	Feed Water Line Leakage.	
Khaparkheda Unit 5	500	03/11/2014	10.57		Continued.	Electrical Fault.	
Chandrapur Unit 2	210	03/11/2014	19.36	04/11/2014	05.11	UAT Diff Prot Optd.	
Tata Trombay 5	500	03/11/2014	21.05	04/11/2014	10.24	Drain leakage problem.	

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

Position as on 6.30 Hrs of 05/Nov/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		
Karad - Solapur (PGCIL)	24/10/2014	10.47		Continued.	Gantry Erection Work.
Parli-Solapur (PGCIL) Ckt.II	04/11/2014	16.45	04/11/2014	22.30	To attend hot spot.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol-Nagothane-II	04/11/2014	09.29	04/11/2014	15.58	To attend hot spot at CT clamp.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	02/11/2014	18.37		Continued.	Over Voltage.
Kolhapur - Mapusa - II	03/11/2014	16.57	04/11/2014	09.11	Over Voltage.
Kolhapur - Mapusa - II	04/11/2014	17.12		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/15.75KV 240MVA GT VII at Koradi	28/10/2014	11.30		Continued.	Erection of new bus post insulator,DCRM,bay maint.
Koyna IV - Jejuri	04/11/2014	05.20	04/11/2014	11.41	Insulator Repl.Work.
400/220/33KV,500 MVA ICT-I At Kalwa	04/11/2014	07.08	04/11/2014	07.52	Repl if take off assembly for 29B isolator to attend hot spot.
TIE-BAY(Khadka Ckt I(406)@ 400KV AT DEEPNAGAR	04/11/2014	09.43	04/11/2014	12.01	Tan delta measurement of CT's and collecting oil samples from Tie CT's.
400/220 KV 500 MVA ICT-I main Bay(417) @ Deepnagar	04/11/2014	14.16	04/11/2014	16.25	Tan delta measurement of CT's and collecting oil samples from all CT's for DGA..
400/220/33KV,500 MVA ICT-I At Kalwa	05/11/2014	06.22	05/11/2014	06.40	Shifting of LV side from 220KV to 400KV side.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Parly - Girwali - IV	04/11/2014	10.14	04/11/2014	12.33	Q.M.Work.
Apta - Taloja	04/11/2014	12.54	04/11/2014	14.09	Y-Ph LA Repl Work.
TBC at Valve	04/11/2014	15.15	04/11/2014	16.30	Tan delta measurement of CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Nagothane-Dabhol-I	01/11/2014	21.53	04/11/2014	09.23	over voltage
Karad - Kolhapur - II	03/11/2014	16.04	04/11/2014	08.36	Over Voltage.
Karad-Jaigad I	03/11/2014	16.36	04/11/2014	08.42	Over Voltage.
Bhusawal- Aurangabad	03/11/2014	17.39	04/11/2014	09.10	Over Voltage.
Karad - Kolhapur - II	04/11/2014	15.40		Continued.	Over Voltage.
Karad-Jaigad I	04/11/2014	17.13		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/11/2014	18.00	05/11/2014	05.52	Over Voltage.
400/220KV,500 MVA ICT-III at Kolhapur	04/11/2014	18.10		Continued.	Due to abnormal DGA results assuggested by MFG.
Parli II-Lonikand - II Ckt I	04/11/2014	23.02	04/11/2014	23.06	To take out line reactor at Lonikand end.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chinchwad - Hinjewadi	04/11/2014	09.32	04/11/2014	16.37	O/L of Urse line.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Narsi-Degloor	04/11/2014	15.10	04/11/2014	16.15	Sparking on R-Ph CT Stud.

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

Position as on 6.30 Hrs of 05/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal - Pachora	04/11/2014	17.17	04/11/2014	18.26	Metering core not showing current.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 50 MVA T/F II at Uran	23/10/2014	08.30		Continued.	Caught Fire.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara - Ambhora - I	04/11/2014	04.40	04/11/2014	04.55	Dist Prot.
Voltage Level : 110KV			Outage Type TRIPPED		
Borivali(T)-Borivali(M)-I	04/11/2014	02.26	04/11/2014	03.48	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	175
	620	330
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	300
Unit 5	500	400
	1420	700
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	184
Unit 7	250	185
	1130	529
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	160
Unit 4	210	162
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1372
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	183
Unit 2	210	183
Unit 3	210	153
Unit 4	210	153
Unit 5	500	0
	1340	672
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	420
	852	420
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	62

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	236
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	108
Adani	2640	2645
Other CPPs	300	745
	4545	4353
SOLAR		
Total	0	
	0	
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	6985
	3455	6985

	21940	7 of 7	19674
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