



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Nov/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.026	1433.977	1) Gujrat	3.384	91.659
2) Hydro	5.991	104.316	2) Madhya Pradesh	16.160	208.807
3) Gas	7.187	126.991	3) Chattisgarh	9.410	121.320
Total MSGENCO	127.204	1665.284	4) Maharashtra Net	95.219	1276.161
B) 1) JSW JAIGAD	26.305	321.445	(Incl. 765kV Solapur-Raichur)	-10.710	-135.522
2) WPCL	2.647	33.582	5) Goa	-6.944	-91.077
3) ADANI	59.980	751.670	6) TAPS 1&2 Injection	3.623	44.919
4) Other CPP / IPP	19.493	250.282	7) RGPPL Injection	0.000	0.000
5) Wind Generation	17.228	89.026	8) Pench (Excess)	-0.459	-8.449
6) PENCH (MS)	0.459	8.449	# Total Cent. Sector	120.393	1643.340
7) SOLAR	0.971	13.099	F) Other Exchanges		
C) 1) TPCL Thermal	19.114	238.208	1) With TPCL (Excess)	-28.005	-301.411
2) TPCL Hydro	3.972	47.498	G) Bilateral Power *		
TOTAL TPCL	23.086	285.706	1) MSEDCL Bilateral	30.381	434.182
3) REL Thermal	12.185	157.504	Include PX	3.689	103.216
D) STATE			2) MUMBAI Bilateral	24.074	283.418
1) Thermal (A1+C1+C3)	145.325	1829.689	Include PX	5.583	47.975
2) Hydro (A2+B6+C2)	10.422	160.263	3) MUMBAI Schedule	24.074	283.963
3) Gas (A3)	7.187	126.991	H) ENERGY CATERED (MUs)		
4) Wind (B5)	17.228	89.026	1) MSEDCL	346.675	4474.766
5) CPP/IPP (B1+B2+B3+B4)	108.425	1356.979	2) TPCL	38.566	451.543
6) SOLAR (B7)	0.971	13.099	3) REL	24.707	293.195
TOTAL STATE	289.558	3576.047	TOTAL STATE	409.948	5219.504

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	4666	5134	4516
MSGENCO Hydro	501	307	136
MSGENCO Gas	295	300	300
MSGENCO Total Generation	5462	5741	4952
Central Sector Receipt	6213	5889	4914
WIND	908	877	574
CPP / IPP	4548	4570	4213
SOLAR	155	129	0
Exchange with Mumbai	-1314	-1380	-791
MSEDCL DEMAND MET	15997	15877	13862
Load Shedding	527	312	64
MSEDCL DEMAND	16524	16189	13926
TPCL GENERATION	1326	1160	649
R-INFRA GENERATION	517	519	454
TPCL+R-INFRA DEMAND	3157	3059	1894
STATE DEMAND MET	19154	18936	15756
STATE DEMAND	19681	19248	15820
Frequency (Hz)	50.00	50.01	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 10.02 Hrs	49.68 Hz at 15.19 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 13/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	3.50	44.41	153	136	140
Unit 7	3.64	47.21	170	130	165
Total	7.14	91.62			305
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.54	9.24	165	140	145
Unit 4	8.58	105.30	480	300	310
Unit 5	8.26	71.54	480	300	310
Total	20.38	186.08			765
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.52	47.28	163	137	150
Unit 6	3.87	58.32	194	0	180
Unit 7	4.76	58.36	241	184	180
Total	12.16	163.96			510
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.31	43.91	145	126	150
Unit 3	0.00	42.49	0	0	0
Unit 4	3.96	51.56	177	157	180
Unit 5	8.36	102.90	400	295	300
Unit 6	8.33	98.83	410	295	300
Unit 7	8.23	96.28	374	302	300
Total	32.19	435.97			1230
Paras					
Unit 3	4.47	60.74	195	173	180
Unit 4	4.42	59.22	197	168	180
Total	8.89	119.95			360
Khaparkheda					
Unit 1	3.93	50.92	185	145	180
Unit 2	3.59	49.30	170	120	180
Unit 3	4.11	53.74	177	159	170
Unit 4	4.14	53.58	198	160	180
Unit 5	9.41	90.78	442	360	420
Total	25.19	298.32			1130
Nasik					
Unit 3	4.05	52.36	195	155	190
Unit 4	0.00	46.97	0	0	0
Unit 5	4.03	38.74	187	151	190
Total	8.08	138.07			380
Uran					
All Units	7.19	126.99	315	286	460
Total	7.19	126.99			460
PENCH (MS)					
Pench (MS)	0.46	8.45	54	0	
Total	0.46	8.45			
Koyna					
Stage 1-2	1.17	30.19	100	40	530
Stage 4	0.00	14.64	0	0	250
Stage 3	0.00	10.16	0	0	240
Kovna 12&4 Total	1.17	44.83			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.17	54.99			1020
Hydro					
KDPH	0.45	4.32	19	18	18
VTRNA	1.12	11.33	61	0	60
TILLARI	0.37	4.53	64	0	61
BHTGR/VEER	0.08	1.10	4	3	5
BHIRA T.R.	0.31	2.83	40	0	40
RNGR+BHTSA	0.39	2.24	17	16	15
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.28	3.69	12	11	15
SMLHY PTN	0.93	7.21	46	36	10
GHATGHAR	0.89	11.29	216	0	0
Total	4.82	49.33			224
Wind					
MalharPeth	0.71	2.80			
Vankuswadi	1.31	5.42			
ATIT	0.14	0.61			
Kale	0.49	2.40			
Satara	8.32	46.59			
Shirala	1.05	3.29			
K Mahankal	0.05	0.26			
Supa	0.12	0.87			
Vita	2.36	11.35			
Dondaicha	1.31	6.77			
Sakri	0.18	1.08			
Nandurbar	0.44	3.33			
Khandke	0.33	2.02			
Khaparale	0.42	2.23			
Total	17.23	89.03			
CPP					
JSW JAIGAD	26.30	321.44	1240	990	1120
WARDHA	2.65	33.58	112	106	110
Adani	59.98	751.67	2610	2140	2645
Other CPPs	19.49	250.28			745
Total	108.42	1356.98			4620
SOLAR					
Total	0.97	13.10			
Total	0.97	13.10			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.04	130.51	497	319	500
Trombay 6	4.04	48.93	198	153	500
Trombay 7A	2.53	37.58	125	89	120
Trombay 7B	1.51	21.19	69	57	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.97	47.50	446	0	447
Total	23.09	285.71			1627
REL					
1&2	12.18	157.50	521	453	500
Total	12.18	157.50			500
Cent Sect					
Share					6058
Total					6058
MS PG CL	Thermal	114.03	1433.98		4680
	Thml+Gas	121.21	1560.97		5140
	Hydro	5.99	104.32		1244
	Total	127.20	1665.28		6384
State Total		289.56	3576.05		19189

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4541	192	312	5045	679	4589	0	4723	4634	-867	-1043	13924	86	14010	2340	16350	50.03
2	4509	136	310	4955	785	4547	0	4777	4810	-751	-1019	14078	62	14140	2124	16264	49.99
3	4481	131	300	4912	677	4260	0	4763	5359	-717	-906	14302	64	14366	1984	16350	49.96
4	4516	136	300	4952	574	4213	0	4749	4914	-703	-791	13862	64	13926	1894	15820	50.01
5	4572	126	315	5013	506	4448	0	4769	5248	-723	-749	14466	120	14586	1877	16463	50.02
6	4574	131	304	5009	468	4595	0	5219	5431	-759	-693	14810	238	15048	1947	16995	49.96
7	4668	161	304	5133	462	4544	0	5449	5576	-716	-657	15070	420	15490	2064	17554	49.89
8	4706	192	304	5202	373	4749	23	5047	5089	-789	-835	14626	570	15196	2196	17392	49.96
9	4692	221	300	5213	427	4841	70	4917	4424	-896	-1076	13920	632	14552	2474	17026	50.03
10	4721	299	300	5320	609	4862	96	5367	5262	-1081	-1185	14989	274	15263	2821	18084	49.92
11	4749	327	294	5370	785	4707	147	5723	5578	-1235	-1289	15325	305	15630	3073	18703	50.03
12	4666	501	295	5462	908	4548	155	5871	6213	-1242	-1314	15997	527	16524	3157	19681	50.00
13	5222	411	303	5936	1027	4887	140	5848	5148	-1271	-1317	15854	455	16309	3139	19448	50.02
14	5134	307	300	5741	877	4570	129	5641	5889	-1168	-1380	15877	312	16189	3059	19248	50.01
15	5125	366	293	5784	788	4489	109	5657	5949	-1180	-1399	15774	230	16004	3117	19121	49.96
16	4958	356	286	5600	730	4748	61	5622	5780	-1201	-1473	15496	176	15672	3121	18793	49.89
17	4775	311	290	5376	622	4629	36	5161	4921	-1122	-1462	14176	140	14316	3109	17425	49.89
18	4844	216	295	5355	637	4602	5	4808	4530	-1117	-1357	13795	173	13968	3018	16986	49.88
19	4802	300	301	5403	672	4630	0	4988	4959	-1139	-1437	14250	131	14381	3065	17446	49.99
20	4731	306	300	5337	758	4578	0	4928	4503	-1089	-1318	13871	124	13995	2996	16991	50.03
21	4727	291	294	5312	865	4309	0	4769	4585	-1098	-1326	13748	101	13849	2781	16630	50.02
22	4797	197	294	5288	939	4064	0	4123	4247	-1125	-1465	13073	77	13150	2784	15934	50.08
23	4774	186	296	5256	1021	3944	0	3897	3768	-1074	-1297	12692	69	12761	2606	15367	49.98
24	4742	191	297	5230	1039	4072	0	3731	3577	-1010	-1217	12701	69	12770	2531	15301	50.04
MUs	114.0 3	5.99	7.19	127.20	17.23	108.4 2	0.97	120.55	120.39	-24.07	-28.00	346.68	5.42	352.10	63.28	415.37	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 13/Nov/2014

Position as on 6.30 Hrs of 14/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	
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 WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
Uran Unit 5	108	12/11/2014	14.19		Continued.	Gas shortage.	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Nasik Unit 4	210	12/11/2014	22.05	14/11/2014	16.40	ID Fan vibration problem.	
Parli Unit 6	250	13/11/2014	10.55	13/11/2014	13.35	B.F.P.Problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2014

Position as on 6.30 Hrs of 14/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench - Kanhan	13/11/2014	15.26	13/11/2014	18.33	testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	12/11/2014	20.19	13/11/2014	08.16	Over Voltage
Dhule-Sar'Sarovar - II	12/11/2014	23.06	13/11/2014	10.24	Over Voltage.
Dhule-Sar'Sarovar - I	13/11/2014	19.38	14/11/2014	08.22	Over Voltage
Kolhapur-Mapusa-II	13/11/2014	20.19	14/11/2014	09.27	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	13/11/2014	19.38	13/11/2014	19.48	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.
New Koyna - Dabhol - I	05/11/2014	09.05		Continued.	Insulator washing, (RFC from 20.00Hrs)
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.(2Days).
Lonikand- Koyna Stage IV	13/11/2014	09.14	13/11/2014	15.23	Q.M.work
400/220KV,315 MVA ICT-I at Kolhapur.	13/11/2014	16.26	13/11/2014	19.01	Hot Spot
Koradi - Bhusawal	14/11/2014	09.31	14/11/2014	22.09	Maint.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Butibori - Koradi	12/11/2014	07.08	13/11/2014	12.28	Stringing of 400Kv Koradi II-Wardha (PG) DC line.
Apta-Bombay Dyeing	12/11/2014	09.52		Continued.	Bus Isolator Repl.work.(2Days).
Khaparkheda New - Khaparkheda Old - I	13/11/2014	09.18	13/11/2014	11.49	Hot Spot
220/132 KV 200 MVA ICT-IV @ Nasik OCR	13/11/2014	10.18	13/11/2014	13.14	CT Replacement
C' Enka - Khadki	13/11/2014	10.30	13/11/2014	14.59	Erection of New Metering CT and PT
ONGC-TSS	13/11/2014	10.35	13/11/2014	16.00	Bay Maint.work
Jejuri - Baramati	13/11/2014	10.45	13/11/2014	22.29	Pannel replacement
Apta-Bombay Dyeing	13/11/2014	12.11	13/11/2014	17.35	Bus Isolator replacement work
Pedambe -Nerale	14/11/2014	08.15	14/11/2014	22.00	P.M.Work
220/132 KV 200 MVA ICT-II @ Boiser	14/11/2014	08.30	14/11/2014	11.19	Hot Spot
Bhigwan-Kurkum	14/11/2014	09.30	14/11/2014	15.45	B Phase Conductor damaged
Chitegaon-Shendra I	14/11/2014	10.30	14/11/2014	16.44	Maint.Work
220/132 KV 200 MVA T/F-I @ Boiser	14/11/2014	11.34	14/11/2014	15.54	CTR Commissioning work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	12/11/2014	18.07	13/11/2014	07.46	Over Voltage.
Bhusawal- Aurangabad	12/11/2014	20.16	13/11/2014	06.52	Over Voltage.
Karad-Jaigad I	12/11/2014	21.58	13/11/2014	08.58	Over Voltage.
Karad - Kolhapur - I	13/11/2014	16.05	13/11/2014	18.31	Over Voltage
Bhusawal- Aurangabad	13/11/2014	16.08	14/11/2014	10.37	Over Voltage
Lonikand- Koyna Stage IV	13/11/2014	21.58	14/11/2014	06.11	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Nov/2014

Position as on 6.30 Hrs of 14/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	14/11/2014	18.04		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	13/11/2014	16.55	14/11/2014	09.01	Distance Protection
Karad - Kolhapur - II	13/11/2014	16.55	14/11/2014	09.32	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Trombay Sonkhar	13/11/2014	15.54	13/11/2014	16.05	Distance Protection
Vasai - Bhoisor (PGCIL)	13/11/2014	19.10	14/11/2014	15.37	Distance Protection
Trombay - Sonkar	14/11/2014	14.33	14/11/2014	14.55	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Amalner - Dharangaon	12/11/2014	12.45	13/11/2014	03.50	Distance Protection
Sawangi-Kagzipura	13/11/2014	09.55	13/11/2014	10.15	Load Trimming Scheme Mal Operation
Padegaon-Pishor	13/11/2014	09.55	13/11/2014	10.13	Load Trimming Scheme Mal Operation
Harangul - niwali	14/11/2014	04.47	14/11/2014	05.01	Distance Protection
Pangari - Telgaon	14/11/2014	20.34	14/11/2014	21.15	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	145
Unit 4	500	347
Unit 5	500	330
	1420	822
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	180
Unit 7	250	180
	1130	510
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	170
Unit 5	500	370
Unit 6	500	370
Unit 7	500	370
	2340	1430
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	162
Unit 2	210	162
Unit 3	210	153
Unit 4	210	162
Unit 5	500	397
	1340	1036
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
Uran		
All Units	852	305
	852	305
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	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	12
GHATGHAR	250	0
	611	226
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	1140
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4640
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	5564
	3455	5564