



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Nov/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.050	1432.475	1) Gujrat	-0.581	174.672
2) Hydro	26.708	190.488	2) Madhya Pradesh	18.775	250.197
3) Gas	7.287	124.931	3) Chattisgarh	11.870	158.420
Total MSGENCO	141.045	1747.894	4) Maharashtra	74.605	1076.601
B) 1) JSW JAIGAD	19.855	258.732	5) Goa	-6.041	-77.292
2) WPCL	4.930	72.939	6) TAPS 1&2 Injection	7.747	106.030
3) ADANI	40.820	497.210	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.114	123.664	8) Pench (Excess)	-0.716	-6.136
5) Wind Generation	2.925	45.097	# Total Cent. Sector	105.659	1682.492
6) PENCH (MS)	0.716	6.136	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.067	-278.939
1) TPCL Thermal	20.961	270.223	G) Bilateral Power *		
2) TPCL Hydro	5.022	53.694	1) MSEDCL Bilateral	29.748	427.462
TOTAL TPCL	25.983	323.917	Include PX	3.477	47.708
3) REL Thermal	12.483	145.762	2) MUMBAI Bilateral	17.785	259.658
D) STATE			Include PX	6.372	106.520
1) Thermal (A1+C1+C3)	140.494	1848.460	3) MUMBAI Schedule	17.785	264.885
2) Hydro (A2+B5+C2)	32.446	250.318	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.287	124.931	1) MSEDCL	309.997	4155.225
4) Wind (B4)	2.925	45.097	2) TPCL	35.869	487.821
5) CPP (B1+B2+B3)	75.719	496.155	3) REL	18.661	260.523
TOTAL STATE	258.871	2764.961	TOTAL STATE	364.527	4903.569

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4629	4535	4327
MSGENCO Hydro	1961	2152	106
MSGENCO Gas	286	289	320
MSGENCO Total Generation	6876	6976	4753
Central Sector Receipt	4992	4440	3921
WIND	72	74	198
CPP / IPP	3365	3022	3151
Exchange with Mumbai	-885	-817	-336
MSEDCL DEMAND MET	14443	13720	11703
Load Shedding	459	339	76
MSEDCL DEMAND	14902	14059	11779
TPCL GENERATION	1357	1356	749
R-INFRA GENERATION	524	522	503
TPCL+R-INFRA DEMAND	2766	2695	1588
STATE DEMAND MET	17209	16415	13291
STATE DEMAND	17668	16754	13367
Frequency (Hz)	49.79	49.79	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 23:53 Hrs	49.51 Hz at 10:50 Hrs	49.92	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 14/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.32	25.28	157	103	126
Unit 6	3.38	40.15	165	115	118
Unit 7	3.29	49.15	160	94	125
Total	10.00	114.58			369
Bhusawal					
Unit 2	3.72	50.88	170	135	160
Unit 3	3.52	50.02	155	135	160
Unit 4	0.00	69.44	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	7.24	170.36			320
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.64	49.37	166	140	140
Unit 5	3.67	50.06	172	135	160
Unit 6	4.74	29.44	219	158	165
Unit 7	4.53	32.55	212	158	165
Total	16.58	161.42			630
Chandrapur					
Unit 1	0.00	26.07	0	0	0
Unit 2	3.16	42.21	155	118	120
Unit 3	4.16	46.72	182	146	170
Unit 4	4.62	43.18	209	156	190
Unit 5	0.00	0.00	0	0	0
Unit 6	9.44	127.36	425	335	410
Unit 7	8.37	113.31	416	276	340
Total	29.74	398.85			1230
Paras					
Unit 3	3.85	51.88	209	114	130
Unit 4	4.12	68.40	197	147	160
Total	7.97	120.28			290
Khaparkheda					
Unit 1	2.48	31.18	130	80	130
Unit 2	3.15	42.92	155	120	130
Unit 3	3.43	43.59	156	131	160
Unit 4	3.88	57.19	165	152	160
Unit 5	9.46	125.57	455	304	425
Total	22.40	300.46			1005
Nasik					
Unit 3	4.38	59.01	195	165	190
Unit 4	4.35	47.82	193	160	190
Unit 5	4.37	59.70	192	169	190
Total	13.11	166.53			570
Uran					
All Units	7.29	124.93	361	282	290
Total	7.29	124.93			290
PENCH (MS)					
Pench (MS)	0.72	6.14	54	0	0
Total	0.72	6.14			0
Koyna					
Stage 1-2	7.38	55.23	595	40	600
Stage 4	12.85	75.61	1130	0	250
Stage 3	4.22	28.77	320	0	320
Kovna 12&4 Total	20.22	130.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	24.44	159.60			1170
Hydro					
KDPH	0.46	0.76	20	19	18
VTRNA	0.00	0.17	0	0	0
TILLARI	0.17	2.47	57	0	60
BHTGR/VEER	0.12	0.28	5	5	5
BHIRA T.R.	0.30	3.05	41	0	40
RNGR+BHTSA	0.36	5.46	15	14	5
BHANDARDRA	0.00	0.00	0	0	5
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.52	6.93	22	21	5
GHATGHAR	0.35	11.76	125	0	0
Total	2.26	30.88			138
Wind					
MalharPeth	0.08	2.76			
Vankuswadi	0.15	4.20			
ATIT	0.01	1.40			
Kale	0.04	1.46			
Satara	1.10	15.34			
Shirala	0.04	1.41			
K Mahankal	0.01	1.37			
Supa	0.08	0.81			
Vita	0.38	6.21			
Dondaicha	0.57	4.95			
Sakri	0.06	0.48			
Nandurbar	0.04	0.42			
Khandke	0.28	2.85			
Khaparale	0.08	1.43			
Total	2.92	45.10			
CPP					
JSW JAIGAD	19.86	258.73	900	784	813
WARDHA	4.93	72.94	212	200	210
Adani	40.82	497.21	1830	1400	1851
Other CPPs	10.11	118.88			245
Total	75.72	947.76			3119
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.17	142.86	502	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.47	29.29	115	65	120
Trombay 7B	1.51	19.43	67	50	60
Trombay 8	5.82	78.65	252	186	250
TATA Hydro	5.02	53.69	449	0	447
Total	25.98	323.92			1377
REL					
1&2	12.48	145.76	525	491	500
Total	12.48	145.76			500
Cent Sect					
Share					5051
Total					5051

MS PG CL	Thermal	107.05	1432.48			4414
	Thml+Gas	114.34	1557.41			4704
	Hydro	26.71	190.49			1308
	Total	141.04	1747.89			6012
State Total		258.87	2764.96			16059

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Nov/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	4257	251	314	4822	99	2881	4216	4476	-626	-587	11715	89	11804	1904	13708	49.89
2	4285	406	314	5005	163	2941	4175	4075	-586	-535	11656	76	11732	1749	13481	50.01
3	4346	131	316	4793	206	3017	4139	4148	-562	-492	11672	76	11748	1658	13406	49.99
4	4327	106	320	4753	198	3151	3819	3921	-519	-336	11703	76	11779	1588	13367	49.92
5	4280	131	310	4721	164	3211	3750	4041	-522	-167	11996	75	12071	1572	13643	49.94
6	4248	543	310	5101	144	3201	3807	4288	-463	-197	12563	146	12709	1639	14348	50.02
7	4345	1167	309	5821	135	3223	3848	3981	-484	-307	12879	415	13294	1718	15012	49.97
8	4487	1870	310	6667	221	3200	3785	3853	-513	-458	13529	440	13969	1870	15839	49.89
9	4598	2130	305	7033	133	3242	3834	3890	-493	-459	13886	411	14297	2145	16442	49.78
10	4595	2187	296	7078	123	3264	4479	4200	-633	-666	14045	364	14409	2490	16899	49.83
11	4591	2100	287	6978	108	3384	5210	4920	-955	-872	14568	362	14930	2717	17647	49.80
12	4629	1961	286	6876	72	3365	5270	4992	-1000	-885	14443	459	14902	2766	17668	49.79
13	4622	1727	282	6631	43	3421	5128	5118	-1015	-874	14365	543	14908	2710	17618	49.88
14	4595	1816	282	6693	53	3323	4764	4832	-948	-869	14057	469	14526	2652	17178	49.90
15	4572	2168	284	7024	52	2989	5018	5049	-929	-833	14306	360	14666	2696	17362	49.91
16	4537	2185	288	7010	53	2942	5107	5112	-946	-857	14286	327	14613	2752	17365	49.79
17	4535	2152	289	6976	74	3022	4639	4440	-918	-817	13720	339	14059	2695	16754	49.79
18	4439	1120	291	5850	96	3091	4430	4143	-857	-898	12336	401	12737	2678	15415	49.85
19	4396	1205	294	5895	116	3114	4513	4582	-940	-924	12837	321	13158	2683	15841	49.93
20	4473	777	296	5546	92	3157	4511	4465	-860	-806	12504	409	12913	2673	15586	49.99
21	4499	252	313	5064	92	3210	4469	4585	-821	-853	12122	306	12428	2532	14960	50.06
22	4542	120	302	4964	104	3186	4438	4138	-787	-839	11553	257	11810	2358	14168	50.02
23	4454	104	328	4886	132	3166	4492	4124	-743	-788	11543	228	11771	2224	13995	49.97
24	4398	99	361	4858	252	3018	4291	4286	-664	-748	11713	156	11869	2064	13933	50.07
MUs	107.05	26.71	7.29	141.04	2.92	75.72	106.13	105.66	-17.79	-16.07	310.00	7.10	317.10	54.53	371.64	49.92

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 14/Nov/2013

Position as on 6.30 Hrs of 15/Nov/2013

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.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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.	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Uran Unit 8	108	24/10/2013	08.00		Continued.	Gas Shortage.	
CPP WPCL U-1	135	03/11/2013	6.24	14/11/2013	20.17	ID FAN PROBLEM	
CPP Abhijeet	62	05/11/2013	11.53		Continued.	Turbine Tripped.	
Uran Unit 6	108	07/11/2013	15.32		Continued.	Gas Shortage.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D FAN PROBLEM	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	
Chandrapur Unit 1	210	13/11/2013	14.36		Continued.	BLR T/L.	
Koradi Unit 5	200	15/11/2013	02.07	15/11/2013	05.59	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2013

Position as on 6.30 Hrs of 15/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Tarapur - II	14/11/2013	12.24	14/11/2013	18.17	Bay maint.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Akola - Aurangabad - I	13/11/2013	14.32	14/11/2013	01.21	To control L/L of Akola-Wardha II.
Kolhapur - Mapusa - I	13/11/2013	16.11	14/11/2013	09.02	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/11/2013	16.26	14/11/2013	09.10	Over Voltage.
Solapur - Solapur (PG)	13/11/2013	17.10	14/11/2013	06.36	Over Voltage.
Dhule-Sar'Sarovar - I	14/11/2013	03.04	14/11/2013	08.24	Over Voltage.
Kolhapur - Mapusa - II	14/11/2013	16.14		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	14/11/2013	16.24		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	14/11/2013	23.07		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	13/11/2013	12.52	14/11/2013	01.00	Dist.Protection.
Dabhol - NewKoyna - II	14/11/2013	01.52		Continued.	Over Voltage.
Solapur - Solapur (PG)	14/11/2013	21.57		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
400/220KV 315MVA ICT- I @ Chandrapur	14/11/2013	09.27	14/11/2013	18.59	Commissioning of CTR,tan delta,CRM
400/220 KV 315 MVA ICT-III @ Lonikand.	14/11/2013	09.28	14/11/2013	19.37	Repl of LA under JICA-II.
400/220 KV Spare ICT @ Jejuri	14/11/2013	09.39	14/11/2013	17.41	Annual maint.work
400/220 KV,500MVA ICT-II at Deepnagar.	14/11/2013	16.36	14/11/2013	19.47	To get meggering of stn T/F 4A.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Trombay - Tifil	14/11/2013	07.16		Continued.	For erection of new tower for height 1 raising of above EHV lines in BARC premises.
Trombay Sonkhar	14/11/2013	07.20		Continued.	For erection of new tower for height 1 raising of above EHV lines in BARC premises.
Bhosari - Bhosari - II	14/11/2013	08.49	14/11/2013	16.55	Repl.of CT under JICA-II.
220/132 KV 200 MVA ICT @ Theur	14/11/2013	09.15	14/11/2013	16.22	Half yearly maint.
Baramati-Kalyani	14/11/2013	09.30	14/11/2013	18.30	Repl of old SSN with new H/W.
Pedambe-Dasgaon	14/11/2013	10.32	14/11/2013	17.58	Repl of insulator.
220/132KV 200MVA ICT-I at Lonand	14/11/2013	12.00	14/11/2013	14.00	Attending oil leakage.
220/110KV 200 MVA ICT - II @ Apta	14/11/2013	12.51	14/11/2013	16.20	WTI meter Repl work.
TBC @ Umred	14/11/2013	14.30	14/11/2013	17.30	Q.M.Work
Kandalgaon - Pirangut	14/11/2013	17.30		Continued.	Repl.of CB under Jaica-II.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2013

Position as on 6.30 Hrs of 15/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Bhusawal- Aurangabad	13/11/2013	22.27	14/11/2013	07.42	Over Voltage.
Bhusawal- Aurangabad	14/11/2013	17.37		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.
Karad - Newkoyna - I	14/11/2013	23.47		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	15/11/2013	01.35		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Pusad-Nanded	13/11/2013	18.30		Continued.	To control L/L of Wardha-Y'mal.
Alephata-Kathapur	14/11/2013	09.14		Continued.	Link open for outage of LNKND ICT III.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Dabhol - New Koyna - I	04/11/2013	16.30	14/11/2013	06.38	Over Voltage.
Dabhol-Nagothane - II	06/11/2013	21.30		Continued.	Over Voltage.
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/11/2013	21.00		Continued.	GT4 Caught Fire.
400/200 KV 500 MVA ICT - II Main Bay(414) @ Deepnagar	12/11/2013	21.22		Continued.	As GT4 Caught Fire.
Dabhol - Nagothane - I	13/11/2013	21.59		Continued.	Over Voltage.
Karad-Jaigad I	14/11/2013	04.02		Continued.	Over Voltage.
Dabhol - New Koyna - I	14/11/2013	16.32	14/11/2013	22.29	Over Voltage,Dt recd at N.Koyna.
Dabhol - Nagothane - I	14/11/2013	22.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Kalwa - Borivali	14/11/2013	14.42	14/11/2013	16.12	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalishaon - Chalishaon - II	13/11/2013	21.03	14/11/2013	13.58	R-Ph CT Burst ,Bus Bar Prot Optd.
Paras - Akot	13/11/2013	23.49	14/11/2013	00.10	Dist Prot.
Waghala-Jangamwadi_II	14/11/2013	02.45	14/11/2013	03.14	Dist prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	130
Unit 7	210	145
	620	375
Bhusawal		
Unit 2	210	143
Unit 3	210	143
Unit 4	500	0
Unit 5	500	0
	1420	286
Parli		
Unit 3	210	0
Unit 4	210	158
Unit 5	210	155
Unit 6	250	180
Unit 7	250	180
	1130	673
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	400
	2340	1365
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	119
Unit 2	210	128
Unit 3	210	137
Unit 4	210	156
Unit 5	500	430
	1340	970
Nasik		
Unit 3	210	190
Unit 4	210	195
Unit 5	210	195
	630	580
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
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	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	138
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	812
WARDHA	405	300
Adani	1980	1851
Other CPPs	300	245
	3885	3208
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	500
	500	500
Cent Sect		
Share	3455	4907
	3455	4907