



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Oct/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.984	1756.313	1) Gujrat	9.173	195.142
2) Hydro	5.777	210.140	2) Madhya Pradesh	16.506	316.705
3) Gas	10.849	189.973	3) Chattisgarh	8.980	161.420
Total MSGENCO	123.610	2156.426	4) Maharashtra	62.986	1145.776
B) 1) JSW JAIGAD	22.344	402.176	5) Goa	-5.634	-99.514
2) WPCL	5.222	134.147	6) TAPS 1&2 Injection	7.713	110.019
3) ADANI	34.260	595.260	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	9.392	177.245	8) Pench (Excess)	-1.010	-15.934
5) Wind Generation	6.137	132.355	# Total Cent. Sector	98.714	1813.614
6) PENCH (MS)	1.010	15.934	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.857	-401.748
1) TPCL Thermal	20.260	356.579	G) Bilateral Power *		
2) TPCL Hydro	5.902	65.642	1) MSEDCL Bilateral	18.515	416.447
TOTAL TPCL	26.162	422.221	Include PX	-2.825	-8.484
3) REL Thermal	11.920	210.697	2) MUMBAI Bilateral	20.100	344.650
D) STATE			Include PX	6.200	87.495
1) Thermal (A1+C1+C3)	139.164	2323.589	3) MUMBAI Schedule	20.100	344.810
2) Hydro (A2+B5+C2)	12.689	291.716	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.849	189.973	1) MSEDCL	277.832	5025.409
4) Wind (B4)	6.137	132.355	2) TPCL	39.426	669.162
5) CPP (B1+B2+B3)	71.218	747.828	3) REL	21.510	365.479
TOTAL STATE	240.057	3685.461	TOTAL STATE	338.768	6060.050

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4532	4391	4479
MSGENCO Hydro	354	671	96
MSGENCO Gas	460	455	464
MSGENCO Total Generation	5346	5517	5039
Central Sector Receipt	4432	5082	3336
WIND	223	155	326
CPP / IPP	2950	2935	2916
Exchange with Mumbai	-1136	-1011	-671
MSEDCL DEMAND MET	11868	12715	10979
Load Shedding	54	76	51
MSEDCL DEMAND	11922	12791	11030
TPCL GENERATION	1390	1394	684
R-INFRA GENERATION	521	520	404
TPCL+R-INFRA DEMAND	3047	2925	1759
STATE DEMAND MET	14915	15640	12738
STATE DEMAND	14969	15716	12789
Frequency (Hz)	50.05	50.08	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 17.59 Hrs	49.65 Hz at 09.15 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 18/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	8.43	0	0	0
Unit 6	3.05	54.44	155	0	130
Unit 7	3.70	39.26	188	125	150
Total	6.75	102.14			280
Bhusawal					
Unit 2	0.00	30.03	0	0	0
Unit 3	0.44	43.92	130	0	0
Unit 4	5.05	88.14	235	195	215
Unit 5	3.91	91.34	280	0	0
Total	9.40	253.43			215
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.42	59.15	152	135	155
Unit 5	3.62	62.51	163	132	148
Unit 6	4.18	75.19	190	160	169
Unit 7	4.08	71.62	190	149	154
Total	15.31	268.46			626
Chandrapur					
Unit 1	3.20	51.78	142	123	140
Unit 2	0.00	46.57	0	0	0
Unit 3	3.95	43.04	183	118	180
Unit 4	4.13	53.52	188	154	200
Unit 5	0.00	0.00	0	0	0
Unit 6	8.96	136.88	420	280	400
Unit 7	8.76	127.90	395	334	400
Total	29.00	459.69			1320
Paras					
Unit 3	4.53	68.18	208	151	200
Unit 4	4.80	73.93	220	183	200
Total	9.33	142.11			400
Khaparkheda					
Unit 1	3.34	64.72	165	110	180
Unit 2	3.33	59.54	160	95	180
Unit 3	4.05	21.38	192	143	190
Unit 4	4.07	75.09	188	144	190
Unit 5	10.22	97.45	445	390	470
Total	25.00	318.18			1210
Nasik					
Unit 3	4.05	74.74	190	150	190
Unit 4	4.00	73.12	175	160	190
Unit 5	4.14	64.44	186	162	190
Total	12.19	212.30			570
Uran					
All Units	10.85	189.97	468	409	450
Total	10.85	189.97			450
PENCH (MS)					
Pench (MS)	1.01	15.93	53	20	
Total	1.01	15.93			
Koyna					
Stage 1-2	1.92	40.58	330	35	600
Stage 4	0.69	75.82	220	0	250
Stage 3	0.52	27.32	144	0	240
Kovna 12&4 Total	2.61	116.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.13	143.73			1090
Hydro					
KDPH	0.00	5.12	0	0	0
VTRNA	0.00	6.93	0	0	61
TILLARI	0.27	5.51	60	0	60
BHTGR/VEER	0.00	0.22	0	0	0
BHIRA T.R.	0.29	4.74	40	0	40
RNGR+BHTSA	0.39	7.18	17	16	17
BHANDARDRA	0.00	4.46	0	0	0
ELDARY	0.36	6.14	15	15	0
SMLHY PTN	0.11	10.85	5	4	13
GHATGHAR	1.22	13.41	250	0	0
Total	2.64	64.57			191
Wind					
MalharPeth	0.31	6.13			
Vankuswadi	0.78	10.18			
ATIT	0.07	1.42			
Kale	0.22	3.98			
Satara	2.78	40.15			
Shirala	0.26	4.27			
K Mahankal	0.04	1.19			
Supa	0.03	1.35			
Vita	1.20	20.92			
Dondaicha	0.04	28.09			
Sakri	0.04	4.18			
Nandurbar	0.00	2.74			
Khandke	0.15	3.03			
Khaparale	0.23	4.72			
Total	6.14	132.36			
CPP					
JSW JAIGAD	22.34	402.18	1066	856	1095
WARDHA	5.22	134.15	221	212	220
Adani	34.26	595.26	1660	1240	1851
Other CPPs	9.39	177.24			245
Total	71.22	1308.83			3411
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.39	184.46	502	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.72	46.93	115	112	120
Trombay 7B	1.60	27.92	68	66	60
Trombay 8	5.54	97.26	252	185	250
TATA Hydro	5.90	65.64	466	0	447
Total	26.16	422.22			1377
REL					
1&2	11.92	210.70	522	404	500
Total	11.92	210.70			500
Cent Sect					
Share					5011
Total					5011

MS PG CL	Thermal	106.98	1756.31			4621
	Thml+Gas	117.83	1946.29			5071
	Hydro	5.78	210.14			1281
	Total	123.61	2156.43			6352
State Total		240.06	3685.46			16651

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/Oct/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	4490	76	464	5030	408	2969	4105	3239	-545	-951	10748	80	10828	2129	12957	49.91
2	4429	106	464	4999	390	2684	3381	3670	-456	-829	10961	51	11012	1937	12949	49.89
3	4427	101	464	4992	365	2889	3166	3385	-449	-729	10924	51	10975	1830	12805	49.99
4	4479	96	464	5039	326	2916	3166	3336	-449	-671	10979	51	11030	1759	12789	50.07
5	4495	91	466	5052	278	3168	3410	3328	-466	-664	11209	51	11260	1763	13023	50.10
6	4619	81	467	5167	267	3192	4012	3755	-466	-612	11822	83	11905	1834	13739	49.99
7	4656	71	468	5195	328	3222	3959	3999	-557	-757	12027	184	12211	1967	14178	50.03
8	4665	91	465	5221	335	3224	4089	3755	-693	-861	11701	295	11996	2116	14112	49.98
9	4637	137	453	5227	219	3026	4233	3603	-833	-916	11179	182	11361	2430	13791	49.89
10	4670	142	458	5270	238	3284	4564	4047	-949	-950	11937	102	12039	2789	14828	49.94
11	4532	354	460	5346	223	2950	4806	4432	-1183	-1136	11868	54	11922	3047	14969	50.05
12	4576	161	450	5187	217	2791	4884	4727	-1260	-1193	11782	59	11841	3106	14947	49.98
13	4497	212	453	5162	265	2768	4653	4487	-1233	-1235	11487	120	11607	3097	14704	49.90
14	4562	101	444	5107	302	2788	4507	4349	-1088	-1126	11460	69	11529	2974	14503	49.99
15	4494	256	446	5196	307	2769	4507	4466	-1087	-1183	11592	64	11656	3023	14679	49.89
16	4272	605	435	5312	291	2747	4530	4533	-1111	-1183	11740	55	11795	3031	14826	49.89
17	4246	800	439	5485	199	2736	4076	4081	-1114	-1199	11355	56	11411	3022	14433	49.98
18	4317	294	447	5058	165	2789	4171	4047	-1068	-1171	10924	58	10982	2960	13942	50.02
19	4396	506	453	5355	171	2945	4575	4797	-1012	-1065	12241	59	12300	2957	15257	49.96
20	4391	671	455	5517	155	2935	4677	5082	-1034	-1011	12715	76	12791	2925	15716	50.08
21	4270	327	454	5051	136	2937	4493	4873	-889	-880	12170	68	12238	2762	15000	49.98
22	4323	211	460	4994	145	3087	4135	4387	-819	-803	11857	67	11924	2580	14504	50.03
23	4232	171	411	4814	203	3139	4026	4145	-702	-732	11609	60	11669	2483	14152	49.90
24	4309	116	409	4834	204	3263	3975	4191	-637	-1000	11545	60	11605	2418	14023	50.16
MUs	106.98	5.78	10.85	123.61	6.14	71.22	100.10	98.71	-20.10	-22.86	277.83	2.06	279.89	60.94	340.83	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 18/Oct/2013

Position as on 6.30 Hrs of 19/Oct/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	
CPP WPCL U-2	135	16/10/2013	05.15		Continued.	Maint.Work.	
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 WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Bhusawal Unit 2	210	13/10/2013	20.14		Continued.	I D fan problem	
Koyna Unit 10	80	16/10/2013	00.05		Continued.	Repl.of BFV trunion lever & non lever side chevron packing.	
Koradi Unit 5	200	16/10/2013	10.47		Continued.	Bearing Tempe. High.	
Chandrapur Unit 2	210	16/10/2013	21.31		Continued.	Boiler Tube Leakage	
Bhusawal Unit 3	210	17/10/2013	11.30	18/10/2013	19.26	I D Fan Problem.	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
Koradi Unit 6	210	18/10/2013	22.43		Continued.	Vibration in Gear Fan.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Oct/2013

Position as on 6.30 Hrs of 19/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	18/10/2013	12.12	18/10/2013	16.10	R Ph. LA Replacement. SSP-1 A/R on Non Auto Mode @ 12.55.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	17/10/2013	20.38	18/10/2013	09.48	Over Voltage.
Kolhapur - Mapusa - I	18/10/2013	16.37		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains,7 No's of Towers are Damaged.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC at Khadka	07/10/2013	17.38		Continued.	TBC BKR,B-pole stuck up existing BHEL BKR,to be repl by CGL make due to foundation mismatch.
400/220 KV 315 MVA ICT-II @ Lonikand	14/10/2013	13.50		Continued.	Repl.of CB Under Jica and ICT is on TBC.
400/220 KV 600 MVA ICT - IV @ Padgha	18/10/2013	09.49	18/10/2013	21.36	To Attend Balance Scada Work. Charged on TBC.
400/220KV 315MVA ICT-II @ Kalwa	18/10/2013	10.39	18/10/2013	13.33	Taken on TBC To Attend Hot Spot.
400/220 KV 315 MVA ICT - I @ Aurangabad	18/10/2013	11.25	18/10/2013	19.02	Q.M. & oltc Oil Replacement.
400/220KV 315MVA ICT-I at Kharghar	18/10/2013	11.44	18/10/2013	16.42	H V Side Taken on TBC To Attend Hot Spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Kalwa - Bapgaon	18/10/2013	08.24	18/10/2013	12.05	To Attend Hot Spot.
Uran - JNPT	18/10/2013	09.04	18/10/2013	14.50	Maint. Work.
Temghar-Colourchem	18/10/2013	09.07	18/10/2013	14.40	Errection & Comm.of Coup. Cap & Taking CB CRM & Timing.
Kalyani-Baramati Agro	18/10/2013	09.20	18/10/2013	18.34	Replacement of Faulty Insu. String.
Panama - Pophali	18/10/2013	09.30	18/10/2013	19.05	Replacement of Old E/W.
Beed-Patoda I	18/10/2013	09.44	18/10/2013	14.47	Testing of Dist.Protection Relays & Other Testing.
Padgha-Wada	18/10/2013	10.51	18/10/2013	18.46	Alignment of 220KV Bus Isolator & Earth Isolator Under JICA-2.
Wardha-Deoli	18/10/2013	11.10		Continued.	Outage.
Bhenda-Waluj	18/10/2013	11.24	18/10/2013	19.03	To Facilitate Outage on Waluj ICT-1.
Gadchandur-Virur-I	18/10/2013	11.28	18/10/2013	16.40	Tan Delta Measurment of CT & CRM & CB Timing of CB.Line Isolator Alignment Work, Replacement of LA Counte.Hot Spot Attending Work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Oct/2013

Position as on 6.30 Hrs of 19/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
ONGC-TSS	18/10/2013	11.52	18/10/2013	13.37	To Attend Hot Spot on W/T & Bus Nut Bolt.
Gadchandur-Virur-II	18/10/2013	16.47	18/10/2013	19.24	Tan Delta Measurment of CT & CRM & CB Timing of CB.Line Isolator Alignment Work, Replacement of LA Counte.
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
Bhusawal- Aurangabad	03/09/2013	08.40	18/10/2013	10.35	Over Voltage.
Deepnagar-Aurangabad-I	07/09/2013	22.56	18/10/2013	18.50	Over Voltage.
Dabhol-Nagothane - II	28/09/2013	21.34		Continued.	Over Voltage.
Karad - Newkoyna - I	04/10/2013	17.02		Continued.	Over Voltage.
Chandrapur - Parli - II	12/10/2013	17.43		Continued.	Over Voltage.
Bhusawal- Aurangabad	18/10/2013	18.59		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	18/10/2013	15.40		Continued.	Disatance Protection Operated B Ph.Earth
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
220/100KV,200 MVA ICT-II at Trombay.	16/10/2013	21.15		Continued.	100KV Group Control Breaker-II B Pole Burst(TATA)Kept on Humming 22.30Hrs
Talandge - Sawantwadi - II.	18/10/2013	12.12		Continued.	Distance Protection Operated,B/Up Op, Ar Lockout. Trial Taken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	175
	620	175
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	215
Unit 5	500	0
	1420	355
Parli		
Unit 3	210	0
Unit 4	210	135
Unit 5	210	155
Unit 6	250	175
Unit 7	250	165
	1130	630
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1330
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	450
	1340	1190
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	0
GHATGHAR	250	0
	611	132
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	1095
WARDHA	405	220
Adani	1320	1851
Other CPPs	300	245
	3225	3411
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	4535
	3455	4535