



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Oct/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.239	376.967	1) Gujrat	9.136	42.979
2) Hydro	4.540	37.392	2) Madhya Pradesh	16.370	77.226
3) Gas	10.639	48.111	3) Chattisgarh	7.590	36.970
Total MSGENCO	111.418	462.470	4) Maharashtra	65.130	261.106
B) 1) JSW JAIGAD	22.210	84.570	5) Goa	-5.279	-20.382
2) WPCL	7.974	31.625	6) TAPS 1&2 Injection	3.840	24.514
3) ADANI	26.610	102.370	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	9.623	44.387	8) Pench (Excess)	-0.863	-3.320
5) Wind Generation	15.379	44.384	# Total Cent. Sector	95.924	419.093
6) PENCH (MS)	0.863	3.320	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-25.283	-92.988
1) TPCL Thermal	19.466	79.298	G) Bilateral Power *		
2) TPCL Hydro	3.570	13.111	1) MSEDCL Bilateral	24.233	93.967
TOTAL TPCL	23.036	92.409	Include PX	0.000	0.000
3) REL Thermal	11.916	47.287	2) MUMBAI Bilateral	20.654	78.038
D) STATE			Include PX	5.599	21.509
1) Thermal (A1+C1+C3)	127.621	503.552	3) MUMBAI Schedule	20.654	78.038
2) Hydro (A2+B5+C2)	8.973	53.823	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.639	48.111	1) MSEDCL	264.718	1099.231
4) Wind (B4)	15.379	44.384	2) TPCL	39.027	150.069
5) CPP (B1+B2+B3)	66.417	187.192	3) REL	21.205	82.607
TOTAL STATE	229.029	837.062	TOTAL STATE	324.950	1331.907

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4112	4132	3881
MSGENCO Hydro	380	421	91
MSGENCO Gas	441	444	445
MSGENCO Total Generation	4933	4997	4417
Central Sector Receipt	4372	4163	3498
WIND	652	655	615
CPP / IPP	2884	2956	2655
Exchange with Mumbai	-1150	-1081	-688
MSEDCL DEMAND MET	11744	11737	10522
Load Shedding	176	68	54
MSEDCL DEMAND	11920	11805	10576
TPCL GENERATION	1088	1303	654
R-INFRA GENERATION	517	520	412
TPCL+R-INFRA DEMAND	2755	2904	1754
STATE DEMAND MET	14499	14641	12276
STATE DEMAND	14675	14709	12330
Frequency (Hz)	50.14	49.87	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 13.01 Hrs	49.45 Hz at 17.39 Hrs	50.04	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/Oct/2013

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	3.07	12.49	151	94	100
Unit 7	3.28	4.79	150	109	140
Total	6.35	17.28			240
Bhusawal					
Unit 2	3.11	12.86	145	110	140
Unit 3	2.96	12.38	145	110	140
Unit 4	5.84	23.86	305	200	270
Unit 5	3.06	15.90	145	110	0
Total	14.98	64.99			550
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.35	13.13	155	120	120
Unit 5	3.29	13.38	152	120	140
Unit 6	4.31	16.88	206	160	170
Unit 7	4.22	16.85	198	136	140
Total	15.18	60.24			570
Chandrapur					
Unit 1	2.94	10.84	145	76	140
Unit 2	3.06	11.72	145	84	140
Unit 3	0.00	6.74	0	0	0
Unit 4	3.26	6.38	172	100	150
Unit 5	0.00	0.00	0	0	0
Unit 6	5.97	28.28	335	185	250
Unit 7	5.46	25.54	250	209	250
Total	20.68	89.50			930
Paras					
Unit 3	3.70	15.90	178	132	180
Unit 4	3.84	17.17	200	121	180
Total	7.53	33.08			360
Khaparkheda					
Unit 1	3.25	13.97	165	95	150
Unit 2	3.46	13.26	170	125	150
Unit 3	4.06	8.67	191	139	190
Unit 4	4.01	16.25	191	151	190
Unit 5	8.53	13.89	390	290	400
Total	23.30	66.04			1080
Nasik					
Unit 3	4.14	16.81	185	160	190
Unit 4	4.08	16.73	184	162	190
Unit 5	0.00	12.30	0	0	0
Total	8.22	45.84			380
Uran					
All Units	10.64	48.11	450	440	440
Total	10.64	48.11			440
PENCH (MS)					
Pench (MS)	0.86	3.32	53	20	
Total	0.86	3.32			
Koyna					
Stage 1-2	1.38	7.10	250	40	520
Stage 4	0.19	9.30	151	0	250
Stage 3	0.60	4.11	160	0	240
Kovna 12&4 Total	1.58	16.40			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.18	20.51			1010
Hydro					
KDPH	0.00	1.76	0	0	36
VTRNA	0.43	1.74	61	0	61
TILLARI	0.17	1.21	59	0	60
BHTGR/VEER	0.12	0.22	5	5	4
BHIRA T.R.	0.22	0.96	41	0	40
RNGR+BHTSA	0.40	1.65	17	16	17
BHANDARDRA	0.27	1.46	12	11	16
ELDARY	0.26	0.26	21	0	0
SMLHY PTN	0.48	3.18	20	19	0
GHATGHAR	0.00	2.60	0	0	0
Total	2.36	15.04			234
Wind					
MalharPeth	0.36	1.51			
Vankuswadi	0.48	2.46			
ATIT	0.07	0.28			
Kale	0.34	1.27			
Satara	4.84	14.22			
Shirala	0.37	1.31			
K Mahankal	0.12	0.30			
Supa	0.18	0.43			
Vita	3.69	8.74			
Dondaicha	3.70	9.71			
Sakri	0.47	1.32			
Nandurbar	0.35	0.83			
Khandke	0.21	0.84			
Khaparale	0.19	1.14			
Total	15.38	44.38			
CPP					
JSW JAIGAD	22.21	84.57	1056	824	954
WARDHA	7.97	31.62	342	291	340
Adani	26.61	102.37	1220	920	1234
Other CPPs	9.62	44.39			245
Total	66.42	262.95			2773
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.10	41.30	502	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.56	10.47	127	90	120
Trombay 7B	1.54	6.22	71	58	60
Trombay 8	5.27	21.31	254	184	250
TATA Hydro	3.57	13.11	401	0	447
Total	23.04	92.41			1377
REL					
1&2	11.92	47.29	523	408	500
Total	11.92	47.29			500
Cent Sect					
Share					4576
Total					4576

MS PG CL	Thermal	96.24	376.97			4110
	Thml+Gas	106.88	425.08			4550
	Hydro	4.54	37.39			1244
	Total	111.42	462.47			5794
State Total		229.03	837.06			15020

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	3814	91	442	4347	664	2858	3851	3806	-725	-1058	10637	84	10721	2116	12837	50.08
2	3828	91	442	4361	735	2762	3792	3626	-646	-851	10656	54	10710	1914	12624	50.07
3	3867	91	443	4401	768	2700	3531	3506	-503	-758	10639	54	10693	1819	12512	50.07
4	3881	91	445	4417	615	2655	3429	3498	-476	-688	10522	54	10576	1754	12330	50.05
5	3890	92	446	4428	539	2642	3568	3643	-584	-681	10601	57	10658	1742	12400	50.04
6	3924	104	445	4473	529	2775	3936	3924	-629	-638	11084	89	11173	1843	13016	49.90
7	4011	106	441	4558	487	2775	4190	4281	-704	-813	11331	179	11510	1991	13501	49.97
8	4085	181	441	4707	495	2838	4236	4352	-746	-871	11572	316	11888	2144	14032	49.98
9	4167	302	441	4910	562	2865	4361	4125	-934	-1012	11501	260	11761	2422	14183	50.06
10	4112	380	441	4933	652	2884	4387	4372	-1068	-1150	11744	176	11920	2755	14675	50.14
11	4096	267	441	4804	644	2823	4491	4456	-1133	-1281	11498	112	11610	3009	14619	50.18
12	4056	155	443	4654	757	2935	4505	4246	-1143	-1227	11418	98	11516	3084	14600	50.18
13	4091	151	443	4685	830	2717	4442	3726	-1103	-1220	10783	126	10909	3073	13982	50.17
14	3982	118	443	4543	754	2644	3929	3950	-1036	-1194	10721	72	10793	2922	13715	50.18
15	4032	107	441	4580	744	2535	4022	3957	-1071	-1269	10592	63	10655	2969	13624	50.14
16	4033	117	443	4593	715	2548	3993	3988	-1035	-1251	10645	62	10707	2965	13672	49.97
17	4056	114	443	4613	708	2435	3968	3878	-982	-1222	10459	60	10519	2951	13470	49.93
18	4030	111	444	4585	634	2438	4030	3884	-879	-1254	10308	64	10372	2895	13267	49.87
19	4071	344	440	4855	759	2693	4330	4332	-949	-1160	11519	64	11583	2918	14501	49.80
20	4132	421	444	4997	655	2956	4335	4163	-959	-1081	11737	68	11805	2904	14709	49.87
21	4069	267	443	4779	678	3019	4330	4172	-903	-1096	11575	61	11636	2738	14374	50.06
22	3983	285	447	4715	534	2994	4150	4187	-860	-1179	11273	61	11334	2580	13914	50.08
23	4003	292	450	4745	471	2967	4124	4188	-831	-1236	11158	58	11216	2441	13657	50.14
24	4026	262	447	4735	450	2959	3882	3664	-755	-1093	10745	58	10803	2286	13089	50.10
MUs	96.24	4.54	10.64	111.42	15.38	66.42	97.81	95.92	-20.65	-25.28	264.72	2.35	267.07	60.24	327.30	50.04

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/Oct/2013

Position as on 6.30 Hrs of 05/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	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Koyna Unit 6	75	30/09/2013	07.05		Continued.	Injector Prob.10days Outage.	10/10/2013
Cent_Sect Tarapur 2	160	03/10/2013	10.25		Continued.	Quarterly Repl.of Primary steam line radiation monitor No1.chassis.	
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.	
Koradi Unit 5	200	29/09/2013	01:27		Continued.	ID Fan Problem.	
CPP Adani U-2	660	30/09/2013	07.38		Continued.	Flame Failure.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Cent_Sect Tarapur 2	160	03/10/2013	10.26	05/10/2013	06.43	Tripped While Testing.	
Chandrapur Unit 3	210	03/10/2013	11.23		Continued.	Coal Bunkering problem	
Uran Unit 7	108	03/10/2013	14.15		Continued.	Gas Shortage	
Nasik Unit 5	210	03/10/2013	22.20		Continued.	Condensor Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2013

Position as on 6.30 Hrs of 05/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Karad - Solapur (PGCIL)	04/10/2013	07.02	04/10/2013	09.13	To Attend Red Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	22/09/2013	15.23	04/10/2013	14.28	Over Voltage.
Solapur - Solapur (PG)	03/10/2013	19.36	04/10/2013	07.00	Over voltage
Kolhapur - Mapusa - I	03/10/2013	21.48	04/10/2013	09.26	Over Voltage
Dhule-Sar'Sarovar - II	04/10/2013	15.07		Continued.	Over Voltage.
Kolhapur-Mapusa-II	04/10/2013	16.49		Continued.	Over Voltage.
Solapur-Solapur(PGCIL)	04/10/2013	21.48	05/10/2013	06.39	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		
Parli - Solapur (PGCIL) - I	18/09/2013	17.01		Continued.	Over Voltage
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.
Karad - Solapur (PGCIL)	03/10/2013	04.05		Continued.	Over Voltage
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.)
400/220KV 500MVA ICT- I at Khaperkheda	01/10/2013	10.07		Continued.	Tan delta and capacitor of LV bushing.
Chandrapur - Parli - II	03/10/2013	15.16		Continued.	To Cut the E/W from Tension Clamp(Ready for charging 17.47Hrs)
400/220/33KV,500 MVA ICT-I At Kalwa	04/10/2013	07.11	04/10/2013	11.00	To Attend Hot Spot on B Ph.C T.
Padgha - Babaleswar - II	04/10/2013	10.10	04/10/2013	15.53	line Signature Test.
Padghe-BBLSR-I	04/10/2013	16.01	04/10/2013	22.25	Line Signature Test.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 KV,200 MVA ICT-I @ Apta	30/09/2013	09.30		Continued.	LV CB Repl work,under Jica-II (Outage for 2Days.)Charged Through TBC.
Lonikand - VSNL	04/10/2013	10.03	04/10/2013	13.14	Replacement of LA.
Raymond-Washala	04/10/2013	10.07	04/10/2013	17.07	Q.M.Work, CB Timing, New Relay TCS Commissioning.
220/110 KV 200 MVA T/F - I @ Mudsinghi	04/10/2013	10.10	04/10/2013	13.30	Q.M.Work.
Karad - Panama	04/10/2013	10.26	04/10/2013	18.14	Stringing of Panama Line @ Loc.79D & Removing of E/W of Karad-Pophali.
Kharghar-Uran-I	04/10/2013	10.58	04/10/2013	13.32	Taken on TBC @ K'Ghar End to Test A/R.
Panama - Pophali	04/10/2013	11.20	04/10/2013	17.50	Stringing of Panama Line @ Loc.79D & Removing of E/W of Karad-Pophali.
Kolshet-Khamba	04/10/2013	12.23	04/10/2013	15.32	To Attend Red Hot @ Bus PT Isolator.
Aarey-Versova	04/10/2013	14.05	04/10/2013	16.12	To Attend Y Ph. CT Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2013

Position as on 6.30 Hrs of 05/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Bhusawal - Deepnagar - II	01/10/2013	06.25		Continued.	Over Voltage.
Karad - Newkoyna - I	04/10/2013	17.02		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line in Grid,Handtripped @ Chikhali End Only.
Urse-Sahara	04/10/2013	09.44		Continued.	To Control Loading of 220KV Talegaon -PG.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11KV 80 MVA STN.T/F 4B at Deepnagar	01/10/2013	03.52		Continued.	B-Ph CT Burst.
400/220 KV 500 MVA ICT-I @ Deepnagar	01/10/2013	03.52		Continued.	Bus Bar Prot.Optd.B-Ph CT Burst of St -4B.
Karad - Kolhapur - II	03/10/2013	02.23	04/10/2013	10.00	Over Voltage
Padgha - Kharghar	03/10/2013	16.54	04/10/2013	06.29	Decapping at Loc.87
Karad-Kolhapur-II	04/10/2013	00.54		Continued.	Over Voltage
Lonikand- Koyna Stage IV	04/10/2013	23.48		Continued.	Over Voltage.
Karad - Kolhapur - II	05/10/2013	01.08		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
Uran - Kharghar - I	03/10/2013	13.28	04/10/2013	00.36	Distance Protection
Lote- Dasturi	05/10/2013	05.05		Continued.	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	155
	620	290
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	323
Unit 5	500	0
	1420	603
Parli		
Unit 3	210	0
Unit 4	210	135
Unit 5	210	140
Unit 6	250	165
Unit 7	250	175
	1130	615
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	0
Unit 4	210	180
Unit 5	500	0
Unit 6	500	280
Unit 7	500	250
	2340	990
Paras		
Unit 3	250	182
Unit 4	250	182
	500	364
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	150
Unit 4	210	190
Unit 5	500	325
	1340	1025
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	14
ELDARY	23	10
SMLHY PTN	12	10
GHATGHAR	250	0
	611	217
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	957
WARDHA	405	340
Adani	1320	1234
Other CPPs	300	245
	3225	2776
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	4513
	3455	4513