



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Oct/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.409	280.728	1) Gujrat	11.840	33.843
2) Hydro	9.003	32.852	2) Madhya Pradesh	18.798	60.856
3) Gas	11.714	37.472	3) Chattisgarh	8.450	29.380
Total MSGENCO	114.126	351.052	4) Maharashtra	66.526	195.976
B) 1) JSW JAIGAD	22.612	62.360	5) Goa	-5.666	-15.103
2) WPCL	8.022	23.651	6) TAPS 1&2 Injection	5.490	20.674
3) ADANI	27.820	75.760	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.308	34.764	8) Pench (Excess)	-0.693	-2.457
5) Wind Generation	10.869	29.005	# Total Cent. Sector	104.745	323.169
6) PENCH (MS)	0.693	2.457	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-24.363	-67.705
1) TPCL Thermal	19.687	59.832	G) Bilateral Power *		
2) TPCL Hydro	4.567	9.541	1) MSEDCL Bilateral	25.130	69.734
TOTAL TPCL	24.254	69.373	Include PX	0.000	0.000
3) REL Thermal	11.495	35.371	2) MUMBAI Bilateral	20.633	57.384
D) STATE			Include PX	5.548	15.910
1) Thermal (A1+C1+C3)	124.591	375.931	3) MUMBAI Schedule	20.633	57.384
2) Hydro (A2+B5+C2)	14.263	44.850	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.714	37.472	1) MSEDCL	274.832	834.513
4) Wind (B4)	10.869	29.005	2) TPCL	38.984	111.042
5) CPP (B1+B2+B3)	68.762	148.595	3) REL	21.126	61.402
TOTAL STATE	230.199	635.853	TOTAL STATE	334.942	1006.957

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3890	3861	3945
MSGENCO Hydro	934	531	152
MSGENCO Gas	552	441	485
MSGENCO Total Generation	5376	4833	4582
Central Sector Receipt	4986	4384	3980
WIND	176	720	417
CPP / IPP	2983	3023	2337
Exchange with Mumbai	-1217	-1036	-674
MSEDCL DEMAND MET	12327	11971	10662
Load Shedding	190	299	62
MSEDCL DEMAND	12517	12270	10724
TPCL GENERATION	1224	1369	680
R-INFRA GENERATION	522	516	413
TPCL+R-INFRA DEMAND	2963	2921	1767
STATE DEMAND MET	15290	14892	12429
STATE DEMAND	15480	15191	12491
Frequency (Hz)	50.02	49.98	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 04.03 Hrs	49.63 Hz at 05.49 Hrs	50.03	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 03/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	3.23	9.42	150	119	142
Unit 7	1.50	1.50	145	0	100
Total	4.74	10.93			242
Bhusawal					
Unit 2	3.12	9.74	140	115	140
Unit 3	3.00	9.41	140	110	140
Unit 4	5.99	18.02	280	215	323
Unit 5	3.76	12.84	205	115	0
Total	15.86	50.02			603
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.10	9.78	146	106	110
Unit 5	2.82	10.08	143	52	118
Unit 6	3.95	12.57	183	152	160
Unit 7	3.96	12.63	185	143	170
Total	13.82	45.06			558
Chandrapur					
Unit 1	1.93	7.90	102	60	110
Unit 2	2.16	8.66	125	66	110
Unit 3	0.90	6.74	105	0	100
Unit 4	2.12	3.12	97	71	120
Unit 5	0.00	0.00	0	0	0
Unit 6	5.99	22.31	360	180	300
Unit 7	5.74	20.08	280	210	275
Total	18.84	68.82			1015
Paras					
Unit 3	4.14	12.21	195	152	200
Unit 4	4.27	13.33	206	148	200
Total	8.40	25.54			400
Khaparkheda					
Unit 1	3.38	10.72	170	110	180
Unit 2	3.34	9.80	180	60	180
Unit 3	4.16	4.61	190	153	190
Unit 4	3.89	12.25	173	146	190
Unit 5	5.16	5.36	373	119	200
Total	19.92	42.75			940
Nasik					
Unit 3	4.04	12.67	180	160	190
Unit 4	4.02	12.65	178	162	190
Unit 5	3.76	12.30	174	0	190
Total	11.82	37.62			570
Uran					
All Units	11.71	37.47	575	426	525
Total	11.71	37.47			525
PENCH (MS)					
Pench (MS)	0.69	2.46	53	10	
Total	0.69	2.46			
Koyna					
Stage 1-2	1.61	5.72	275	40	520
Stage 4	1.66	9.11	289	0	250
Stage 3	0.85	3.51	210	0	240
Kovna 12&4 Total	3.27	14.82			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.12	18.33			1010
Hydro					
KDPH	0.35	1.76	39	0	0
VTRNA	0.52	1.31	61	0	61
TILLARI	0.24	1.04	60	0	60
BHTGR/VEER	0.10	0.10	5	4	0
BHIRA T.R.	0.17	0.73	40	0	40
RNGR+BHTSA	0.40	1.25	17	16	15
BHANDARDRA	0.36	1.19	15	15	15
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.91	2.70	38	37	20
GHATGHAR	1.84	2.60	250	0	0
Total	4.89	12.68			211
Wind					
MalharPeth	0.29	1.15			
Vankuswadi	0.42	1.98			
ATIT	0.08	0.21			
Kale	0.26	0.93			
Satara	3.27	9.38			
Shirala	0.24	0.94			
K Mahankal	0.09	0.18			
Supa	0.07	0.25			
Vita	2.40	5.06			
Dondaicha	2.80	6.01			
Sakri	0.35	0.85			
Nandurbar	0.25	0.48			
Khandke	0.23	0.62			
Khaparale	0.13	0.95			
Total	10.87	29.00			
CPP					
JSW JAIGAD	22.61	62.36	1059	842	955
WARDHA	8.02	23.65	364	311	360
Adani	27.82	75.76	1310	820	1320
Other CPPs	10.31	34.76			270
Total	68.76	196.54			2905
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.32	31.20	502	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.58	7.91	115	94	120
Trombay 7B	1.54	4.69	68	59	60
Trombay 8	5.24	16.04	254	185	250
TATA Hydro	4.57	9.54	460	0	447
Total	24.25	69.37			1377
REL					
1&2	11.50	35.37	523	408	500
Total	11.50	35.37			500
Cent Sect					
Share					4924
Total					4924

MS PG CL	Thermal	93.41	280.73			4328
	Thml+Gas	105.12	318.20			4853
	Hydro	9.00	32.85			1221
	Total	114.13	351.05			6074
State Total		230.20	635.85			15780

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	4051	151	478	4680	562	2690	4221	3985	-626	-1016	10916	83	10999	2107	13106	50.06
2	3995	151	478	4624	450	2450	4107	4145	-651	-789	10896	62	10958	1881	12839	49.96
3	3945	152	485	4582	417	2337	3939	3980	-533	-674	10662	62	10724	1767	12491	49.99
4	4016	157	487	4660	449	2413	3854	3827	-451	-620	10749	62	10811	1710	12521	50.11
5	3903	158	502	4563	484	2608	3883	3842	-493	-630	10877	67	10944	1720	12664	50.20
6	3982	163	500	4645	393	2936	4176	3974	-599	-700	11264	122	11386	1793	13179	50.01
7	4016	153	575	4744	340	2931	4275	4484	-688	-826	11699	373	12072	1917	13989	50.06
8	4054	158	555	4767	260	2923	4340	4259	-745	-860	11375	556	11931	2083	14014	50.11
9	4015	213	548	4776	241	2934	4570	4722	-942	-881	11815	389	12204	2338	14542	50.04
10	3893	533	553	4979	179	2972	4726	5179	-1147	-1098	12234	255	12489	2722	15211	50.13
11	3890	934	552	5376	176	2983	4753	4986	-1116	-1217	12327	190	12517	2963	15480	50.02
12	3843	978	552	5373	157	3023	4717	4758	-1127	-1320	12018	235	12253	3084	15337	49.94
13	3740	794	552	5086	165	2964	4664	4630	-1093	-1312	11586	346	11932	3081	15013	49.98
14	3753	470	528	4751	205	2974	4608	4827	-1036	-1198	11583	295	11878	2982	14860	50.12
15	3800	681	431	4912	347	2961	4599	4554	-1042	-1148	11673	234	11907	3044	14951	49.97
16	3812	792	431	5035	460	2859	4571	4584	-1021	-1189	11796	169	11965	3052	15017	49.94
17	3807	444	426	4677	524	2918	4509	4392	-963	-1187	11371	167	11538	3014	14552	49.90
18	3810	163	434	4407	658	2960	4526	4135	-987	-1160	11047	168	11215	2949	14164	49.97
19	3849	525	436	4810	595	2925	4508	4647	-1032	-1091	11933	170	12103	2900	15003	49.93
20	3861	531	441	4833	720	3023	4475	4384	-993	-1036	11971	299	12270	2921	15191	49.98
21	3831	225	441	4497	782	2979	4383	4193	-918	-999	11475	246	11721	2762	14483	50.07
22	3898	178	443	4519	853	3005	4232	4030	-783	-972	11456	168	11624	2581	14205	50.09
23	3839	185	443	4467	742	3008	4133	4188	-857	-1228	11199	101	11300	2444	13744	50.09
24	3806	114	443	4363	710	2986	3815	4040	-793	-1212	10910	85	10995	2297	13292	50.08
MUs	93.41	9.00	11.71	114.13	10.87	68.76	104.58	104.74	-20.63	-24.36	274.83	4.90	279.74	60.11	339.85	50.03

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 03/Oct/2013

Position as on 6.30 Hrs of 04/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	
Koradi Unit 7	210	09/08/2013	07.22	03/10/2013	06.12	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
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 03/Oct/2013

Position as on 6.30 Hrs of 04/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	22/09/2013	15.23		Continued.	Over Voltage.
Kolhapur - Mapusa - I	01/10/2013	17.09	03/10/2013	09.35	Over Voltage.
Solapur - Solapur (PG)	03/10/2013	19.36		Continued.	Over voltage
Kolhapur - Mapusa - I	03/10/2013	21.48		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		
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)
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.)
Lonikand -Theur - II	03/10/2013	06.01	03/10/2013	19.43	Replacement of Line Isolator
Nerul-Kharghar	03/10/2013	07.00	03/10/2013	15.30	Hot Spot
Talandge - Sawantwadi	03/10/2013	08.58	03/10/2013	18.20	Insulator Cleaning
Main Bus-II at Lonikand	03/10/2013	10.31	03/10/2013	19.30	Connecting Isolator Jumps of 50MVA T/F Bay
Chinchwad-Urse	03/10/2013	10.41	03/10/2013	17.37	Hot Spot
Urse-II -Talegaon	03/10/2013	11.12	03/10/2013	17.22	Hot Spot
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		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Karad-New Koyna II	26/09/2013	23.50	03/10/2013	08.57	Over Voltage
Dabhol-Nagothane - II	28/09/2013	21.34		Continued.	Over Voltage.
Bhusawal - Deepnagar - II	01/10/2013	06.25		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.
Chinchwad - Parvati	03/10/2013	10.26	03/10/2013	17.49	To Faciliate outages of Urse line
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Oct/2013

Position as on 6.30 Hrs of 04/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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-Jaigad I	03/10/2013	01.28	03/10/2013	07.42	Over Voltage
Karad - Kolhapur - II	03/10/2013	02.23		Continued.	Over Voltage
Karad - Kolhapur - I	03/10/2013	04.05	03/10/2013	05.32	Over Voltage
Parli - Chandrapur - II	03/10/2013	04.38	03/10/2013	07.59	Distance Protection
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
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
Pophali-K'gaon	03/10/2013	11.05	03/10/2013	11.20	Distance Protection
Uran - Kharghar - I	03/10/2013	13.28	04/10/2013	00.36	Distance Protection
Nasik - Ghatghar	03/10/2013	16.18	03/10/2013	16.27	B Phase To E/F
Voltage Level : 132KV			Outage Type TRIPPED		
Supreme Industry-Pahur	03/10/2013	04.03	03/10/2013	05.52	Distance Protection
Waghala-Umri II	03/10/2013	05.48	03/10/2013	06.08	Distance Protection
Girwali - Renapur	03/10/2013	20.00	03/10/2013	20.25	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	140
	620	240
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	270
Unit 5	500	0
	1420	550
Parli		
Unit 3	210	0
Unit 4	210	120
Unit 5	210	140
Unit 6	250	170
Unit 7	250	140
	1130	570
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	0
Unit 4	210	150
Unit 5	500	0
Unit 6	500	250
Unit 7	500	250
	2340	930
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	190
Unit 4	210	190
Unit 5	500	400
	1340	1080
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	16
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	234
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	954
WARDHA	405	340
Adani	1320	1234
Other CPPs	300	245
	3225	2773
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	4576
	3455	4576