



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Oct/2013 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.090	471.057	1) Gujrat	13.504	56.483
2) Hydro	14.489	51.881	2) Madhya Pradesh	16.203	93.429
3) Gas	10.126	58.237	3) Chattisgarh	8.670	45.640
Total MSGENCO	118.705	581.175	4) Maharashtra	65.687	326.793
B) 1) JSW JAIGAD	22.783	107.353	5) Goa	-5.536	-25.918
2) WPCL	7.948	39.573	6) TAPS 1&2 Injection	5.322	29.836
3) ADANI	28.170	130.540	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.787	55.174	8) Pench (Excess)	-1.044	-4.364
5) Wind Generation	7.623	52.007	# Total Cent. Sector	102.806	521.899
6) PENCH (MS)	1.044	4.364	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-23.542	-116.530
1) TPCL Thermal	20.232	99.530	G) Bilateral Power *		
2) TPCL Hydro	1.984	15.095	1) MSEDCL Bilateral	25.218	119.186
TOTAL TPCL	22.216	114.625	Include PX	0.000	0.000
3) REL Thermal	11.888	59.175	2) MUMBAI Bilateral	20.171	98.209
D) STATE			Include PX	4.439	25.948
1) Thermal (A1+C1+C3)	126.210	629.762	3) MUMBAI Schedule	20.171	98.209
2) Hydro (A2+B5+C2)	17.517	71.340	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.126	58.237	1) MSEDCL	276.324	1375.555
4) Wind (B4)	7.623	52.007	2) TPCL	37.117	187.186
5) CPP (B1+B2+B3)	69.688	230.270	3) REL	20.531	103.138
TOTAL STATE	231.164	1041.616	TOTAL STATE	333.972	1665.879

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4123	3824	3803
MSGENCO Hydro	953	1699	167
MSGENCO Gas	357	466	449
MSGENCO Total Generation	5433	5989	4419
Central Sector Receipt	4675	4256	3688
WIND	219	348	314
CPP / IPP	2977	3040	2649
Exchange with Mumbai	-1204	-1066	-689
MSEDCL DEMAND MET	12153	12617	10414
Load Shedding	54	55	54
MSEDCL DEMAND	12207	12672	10468
TPCL GENERATION	1177	1191	666
R-INFRA GENERATION	521	520	416
TPCL+R-INFRA DEMAND	2902	2777	1771
STATE DEMAND MET	15055	15394	12185
STATE DEMAND	15109	15449	12239
Frequency (Hz)	50.03	49.98	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 09.06 Hrs	49.5 Hz at 18.18 Hrs	50.01	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 05/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	3.37	15.87	154	111	135
Unit 7	2.95	7.74	190	0	155
Total	6.33	23.61			290
Bhusawal					
Unit 2	1.39	14.24	130	0	140
Unit 3	2.80	15.17	130	90	140
Unit 4	6.36	30.22	335	210	323
Unit 5	4.22	20.12	240	110	0
Total	14.76	79.75			603
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.35	16.48	149	123	135
Unit 5	3.50	16.88	160	129	140
Unit 6	4.28	21.16	200	162	165
Unit 7	4.16	21.01	185	153	175
Total	15.29	75.53			615
Chandrapur					
Unit 1	3.20	14.04	140	120	140
Unit 2	3.37	15.09	144	130	140
Unit 3	0.00	6.74	0	0	0
Unit 4	4.08	10.46	196	130	180
Unit 5	0.00	0.00	0	0	0
Unit 6	6.84	35.13	390	209	280
Unit 7	6.06	31.60	301	207	250
Total	23.56	113.06			990
Paras					
Unit 3	2.81	18.72	154	73	182
Unit 4	3.07	20.24	155	102	182
Total	5.88	38.96			364
Khaparkheda					
Unit 1	3.70	17.67	180	120	180
Unit 2	2.76	16.03	155	75	180
Unit 3	3.48	12.15	179	0	150
Unit 4	4.09	20.34	188	143	190
Unit 5	5.98	19.87	328	221	325
Total	20.02	86.07			1025
Nasik					
Unit 3	4.15	20.96	195	165	190
Unit 4	4.10	20.83	181	163	190
Unit 5	0.00	12.30	0	0	0
Total	8.25	54.08			380
Uran					
All Units	10.13	58.24	470	292	440
Total	10.13	58.24			440
PENCH (MS)					
Pench (MS)	1.04	4.36	53	21	
Total	1.04	4.36			
Koyna					
Stage 1-2	2.91	10.01	430	40	520
Stage 4	4.23	13.53	692	0	250
Stage 3	2.08	6.20	160	0	240
Kovna 12&4 Total	7.14	23.54			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.22	29.73			1010
Hydro					
KDPH	0.62	2.38	38	0	0
VTRNA	0.42	2.17	61	0	61
TILLARI	0.23	1.45	58	0	60
BHTGR/VEER	0.00	0.22	0	0	5
BHIRA T.R.	0.24	1.20	40	0	40
RNGR+BHTSA	0.39	2.04	17	16	17
BHANDARDRA	0.63	2.10	32	15	14
ELDARY	0.52	0.78	22	21	10
SMLHY PTN	0.80	3.98	34	33	10
GHATGHAR	1.40	4.00	250	0	0
Total	5.26	20.31			217
Wind					
MalharPeth	0.24	1.75			
Vankuswadi	0.44	2.90			
ATIT	0.05	0.34			
Kale	0.20	1.48			
Satara	2.30	16.52			
Shirala	0.20	1.51			
K Mahankal	0.05	0.35			
Supa	0.02	0.45			
Vita	1.66	10.40			
Dondaicha	1.91	11.62			
Sakri	0.25	1.57			
Nandurbar	0.19	1.02			
Khandke	0.00	0.84			
Khaparale	0.11	1.25			
Total	7.62	52.01			
CPP					
JSW JAIGAD	22.78	107.35	1057	901	957
WARDHA	7.95	39.57	343	303	340
Adani	28.17	130.54	1250	1030	1234
Other CPPs	10.79	55.17			245
Total	69.69	332.64			2776
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.68	51.98	503	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.49	12.96	115	85	120
Trombay 7B	1.51	7.73	67	57	60
Trombay 8	5.56	26.86	253	185	250
TATA Hydro	1.98	15.10	268	0	447
Total	22.22	114.62			1377
REL					
1&2	11.89	59.18	523	412	500
Total	11.89	59.18			500
Cent Sect					
Share					4513
Total					4513

MS PG CL	Thermal	94.09	471.06			4267
	Thml+Gas	104.22	529.29			4707
	Hydro	14.49	51.88			1227
	Total	118.70	581.18			5934
State Total		231.16	1041.62			15100

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	3947	299	449	4695	389	2814	3790	3879	-753	-1068	10731	82	10813	2169	12982	50.04
2	3873	235	449	4557	350	2717	3551	3846	-694	-900	10594	54	10648	1963	12611	50.00
3	3824	230	447	4501	301	2679	3388	3694	-530	-778	10444	54	10498	1851	12349	49.98
4	3803	167	449	4419	314	2649	3359	3688	-500	-689	10414	54	10468	1771	12239	50.12
5	3871	140	444	4455	291	2638	3440	3911	-583	-683	10659	54	10713	1759	12472	50.10
6	3869	208	444	4521	337	2733	3693	4323	-657	-761	11200	54	11254	1842	13096	49.91
7	4165	537	444	5146	331	2761	3750	4029	-704	-643	11671	54	11725	1933	13658	49.94
8	4266	355	299	4920	311	2871	3773	4245	-724	-590	11804	54	11858	2024	13882	50.02
9	4243	527	299	5069	330	2878	3999	4321	-854	-817	11828	54	11882	2262	14144	50.06
10	4176	608	297	5081	196	2936	4404	4922	-966	-1112	12056	57	12113	2575	14688	50.15
11	4206	1071	292	5569	197	2958	4482	4686	-1041	-1244	12219	54	12273	2823	15096	49.97
12	4123	953	357	5433	219	2977	4506	4675	-1065	-1204	12153	54	12207	2902	15109	50.03
13	4008	670	358	5036	259	3032	4494	4605	-1055	-1272	11712	109	11821	2894	14715	50.09
14	3958	288	455	4701	355	3005	4406	4431	-966	-1149	11393	55	11448	2715	14163	50.06
15	3955	168	457	4580	346	2960	4472	4725	-970	-1136	11525	55	11580	2742	14322	50.01
16	3894	195	459	4548	445	2937	4468	4619	-966	-1051	11548	55	11603	2722	14325	49.90
17	3748	341	459	4548	433	2974	4379	4233	-930	-1113	11125	55	11180	2693	13873	49.92
18	3692	539	462	4693	429	2953	4097	4075	-884	-1167	11033	55	11088	2625	13713	49.93
19	3691	1377	468	5536	402	3015	4347	4123	-935	-1050	12076	55	12131	2711	14842	49.78
20	3824	1699	466	5989	348	3040	4450	4256	-981	-1066	12617	55	12672	2777	15449	49.98
21	3787	1254	467	5508	316	3041	4399	4495	-906	-1063	12347	55	12402	2692	15094	50.07
22	3749	1012	469	5230	287	3061	4297	4368	-868	-1034	11958	55	12013	2538	14551	50.04
23	3723	877	466	5066	248	3028	4287	4278	-866	-986	11659	55	11714	2410	14124	50.04
24	3695	739	470	4904	189	3031	4220	4377	-773	-966	11556	55	11611	2253	13864	50.09
MUs	94.09	14.49	10.13	118.70	7.62	69.69	98.45	102.80	-20.17	-23.54	276.32	1.39	277.72	57.65	335.36	50.01

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 05/Oct/2013

Position as on 6.30 Hrs of 06/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
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	06/10/2013	09.52	Coal Bunkering problem	
Uran Unit 7	108	03/10/2013	14.15	05/10/2013	11.18	Gas Shortage.	
Nasik Unit 5	210	03/10/2013	22.20	05/10/2013	06.20	Condensor Tube Leakage	
Koyna Unit 2	75	05/10/2013	06.30	05/10/2013	13.15	Gen. diff. protection.	
Koradi Unit 7	210	05/10/2013	16.22	05/10/2013	20.56	Flame failure.	
Bhusawal Unit 2	210	05/10/2013	16.22		Continued.	I D Fan problem.	
Khaparkheda Unit 3	210	05/10/2013	22.53		Continued.	Flame failure.	
Khaparkheda Unit 2	210	06/10/2013	13.40	06/10/2013	17.09	Generator Protection Operated.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Oct/2013

Position as on 6.30 Hrs of 06/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 - 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.
Solapur - Solapur (PG)	05/10/2013	22.06	06/10/2013	06.49	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.
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	06/10/2013	14.48	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)
Dhule - Babhaleshwar - I	05/10/2013	09.44	05/10/2013	18.11	Q.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 KV,200 MVA ICT-I @ Apta	30/09/2013	09.30	05/10/2013	21.08	LV CB Repl work,under Jica-II (Outage for 2Days.)Charged Through TBC.
Padgha-Temghar I	05/10/2013	08.36	05/10/2013	20.08	Errection & Commissioning of Wavetrap & CC,CT Tan Delta, CB Timing & CRM.
220/132 KV 200 MVA ICT - I @ Babaleshwar	05/10/2013	09.00	05/10/2013	12.45	Q.M.Work.
Versova-Ghodbandar	05/10/2013	09.28	05/10/2013	17.11	Annual Bay Maintenance.
220/132KV, 200MVA ICT-1@Boiser	05/10/2013	09.50	05/10/2013	11.50	Hot Spot Attending Work.
Bhosari-C'enka	05/10/2013	10.07	05/10/2013	20.12	Replacement of Line Side Isolator & CT Under JICA.
Kalwa-Trombay	06/10/2013	08.03	06/10/2013	18.01	Replacement of CT, Under JICA-II.
Kalwa - Bapgaon	06/10/2013	08.34	06/10/2013	10.35	Hot Spot.
Borivali - Salset - I	06/10/2013	09.30	06/10/2013	17.22	For Tighting Work.
Mahape - Siemens	06/10/2013	09.34	06/10/2013	15.44	Diagnositic Testing & R.M.Work.
Trombay(T)-Trombay(M)Tie-I	06/10/2013	09.35	06/10/2013	17.25	To Work in to Vicinty Faciliate Bus Connection Work of T/F Breaker.
Mahad-Pasco	06/10/2013	12.06		Continued.	Replacement of Metering CT @ POSCO End, & Bunching of Line, for 5 Day. & Bypaased POSCO @ 1709.
Nagothane-PASCO	06/10/2013	12.10		Continued.	Replacement of Metering CT @ POSCO End, & Bunching of Line, for 5 Day. & Bypaased POSCO @ 1709.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Oct/2013

Position as on 6.30 Hrs of 06/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.
Lonikand- Koyna Stage IV	06/10/2013	00.26	06/10/2013	07.23	Over Voltage.
Karad - Kolhapur - II	06/10/2013	22.35		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.
Kalwa-Temghar	05/10/2013	08.43	05/10/2013	20.23	Padgha Temghar-II (To Control Line Loading).
Voltage Level : 400KV			Outage Type TRIPPED		
400/11KV 80 MVA STN.T/F 4B at Deepnagar	01/10/2013	03.52	05/10/2013	19.19	B-Ph CT Burst.
400/220 KV 500 MVA ICT-I @ Deepnagar	01/10/2013	03.52	05/10/2013	19.35	Bus Bar Prot.Optd.B-Ph CT Burst of St-4B.
Karad-Kolhapur-II	04/10/2013	00.54	06/10/2013	09.52	Over Voltage
Karad - Kolhapur - II	05/10/2013	01.08	05/10/2013	09.41	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
Lote- Dasturi	05/10/2013	05.05	05/10/2013	16.22	Distance Protection.
Miraj -Vita	06/10/2013	00.58		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Dondaicha - Nandurbar	05/10/2013	11.45	05/10/2013	11.53	Distance Protection Operated Z-II.
Girwali - Kej	05/10/2013	19.05	05/10/2013	19.26	Distance Protection OperatedZ-II B Ph.
Gangakhed - Sonpeth	06/10/2013	03.15	06/10/2013	03.27	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	130
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	323
Unit 5	500	
	1420	463
Parli		
Unit 3	210	0
Unit 4	210	127
Unit 5	210	160
Unit 6	250	167
Unit 7	250	172
	1130	626
Chandrapur		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	0
Unit 4	210	180
Unit 5	500	0
Unit 6	500	325
Unit 7	500	350
	2340	1125
Paras		
Unit 3	250	120
Unit 4	250	120
	500	240
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	0
Unit 4	210	190
Unit 5	500	250
	1340	780
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	58
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	35
ELDARY	23	
SMLHY PTN	12	19
GHATGHAR	250	
	611	264
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	831
WARDHA	405	340
Adani	1320	1234
Other CPPs	300	245
	3225	2650
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	4629
	3455	4629