



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Oct/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.317	90.317	1) Gujrat	11.479	11.479
2) Hydro	14.267	14.267	2) Madhya Pradesh	21.806	21.806
3) Gas	13.157	13.157	3) Chattisgarh	10.910	10.910
Total MSGENCO	117.741	117.741	4) Maharashtra	65.646	65.646
B) 1) JSW JAIGAD	18.132	18.132	5) Goa	-4.898	-4.898
2) WPCL	7.152	7.152	6) TAPS 1&2 Injection	7.390	7.390
3) ADANI	20.320	20.320	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	13.929	13.929	8) Pench (Excess)	-0.885	-0.885
5) Wind Generation	9.020	9.020	# Total Cent. Sector	111.448	111.448
6) PENCH (MS)	0.885	0.885	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.068	-21.068
1) TPCL Thermal	21.103	21.103	G) Bilateral Power *		
2) TPCL Hydro	4.865	4.865	1) MSEDCL Bilateral	17.519	17.519
TOTAL TPCL	25.968	25.968	Include PX	0.000	0.000
3) REL Thermal	11.986	11.986	2) MUMBAI Bilateral	19.413	19.413
D) STATE			Include PX	5.984	5.984
1) Thermal (A1+C1+C3)	123.406	123.406	3) MUMBAI Schedule	19.413	19.413
2) Hydro (A2+B5+C2)	20.017	20.017	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.157	13.157	1) MSEDCL	277.559	277.559
4) Wind (B4)	9.020	9.020	2) TPCL	38.312	38.312
5) CPP (B1+B2+B3)	59.533	59.533	3) REL	20.708	20.708
TOTAL STATE	225.133	225.133	TOTAL STATE	336.579	336.579

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3663	3988	3652
MSGENCO Hydro	1413	497	110
MSGENCO Gas	586	544	526
MSGENCO Total Generation	5662	5029	4288
Central Sector Receipt	4998	4792	4451
WIND	161	351	592
CPP / IPP	2439	2889	2107
Exchange with Mumbai	-1084	-999	-571
MSEDCL DEMAND MET	12223	12102	10921
Load Shedding	256	300	54
MSEDCL DEMAND	12479	12402	10975
TPCL GENERATION	1420	1344	705
R-INFRA GENERATION	521	519	408
TPCL+R-INFRA DEMAND	3025	2862	1684
STATE DEMAND MET	15248	14964	12605
STATE DEMAND	15504	15264	12659
Frequency (Hz)	50.07	49.85	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 16:26 Hrs	49.59 Hz at 23:59 Hrs	49.99	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 01/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	3.06	3.06	142	80	130
Unit 7	0.00	0.00	0	0	0
Total	3.06	3.06			130
Bhusawal					
Unit 2	3.26	3.26	155	105	140
Unit 3	3.08	3.08	145	100	140
Unit 4	4.76	4.76	310	0	0
Unit 5	3.14	3.14	245	0	0
Total	14.24	14.24			280
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.29	3.29	154	126	142
Unit 5	3.67	3.67	172	129	145
Unit 6	4.43	4.43	212	170	180
Unit 7	4.44	4.44	203	162	195
Total	15.83	15.83			662
Chandrapur					
Unit 1	3.03	3.03	141	102	150
Unit 2	3.42	3.42	149	127	150
Unit 3	3.32	3.32	168	100	160
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	7.85	7.85	360	280	350
Unit 7	7.90	7.90	380	270	350
Total	25.52	25.52			1160
Paras					
Unit 3	3.88	3.88	218	132	150
Unit 4	4.34	4.34	228	152	200
Total	8.21	8.21			350
Khaparkheda					
Unit 1	3.44	3.44	180	110	180
Unit 2	2.97	2.97	150	80	160
Unit 3	0.00	0.00	0	0	0
Unit 4	4.00	4.00	189	145	190
Unit 5	0.00	0.00	0	0	0
Total	10.41	10.41			530
Nasik					
Unit 3	4.40	4.40	195	160	190
Unit 4	4.35	4.35	198	159	190
Unit 5	4.29	4.29	192	162	190
Total	13.04	13.04			570
Uran					
All Units	13.16	13.16	600	497	580
Total	13.16	13.16			580
PENCH (MS)					
Pench (MS)	0.88	0.88	54	22	0
Total	0.88	0.88			0
Koyna					
Stage 1-2	3.02	3.02	425	40	520
Stage 4	5.11	5.11	569	0	250
Stage 3	1.99	1.99	162	0	240
Kovna 12&4 Total	8.13	8.13			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.11	10.11			1010
Hydro					
KDPH	0.49	0.49	39	0	0
VTRNA	0.41	0.41	61	0	61
TILLARI	0.55	0.55	60	0	60
BHTGR/VEER	0.00	0.00	0	0	5
BHIRA T.R.	0.30	0.30	41	0	40
RNGR+BHTSA	0.42	0.42	18	17	15
BHANDARDRA	0.35	0.35	15	14	10
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.88	0.88	37	36	20
GHATGHAR	0.76	0.76	250	0	0
Total	4.15	4.15			211
Wind					
MalharPeth	0.49	0.49			
Vankuswadi	0.94	0.94			
ATIT	0.06	0.06			
Kale	0.36	0.36			
Satara	3.13	3.13			
Shirala	0.39	0.39			
K Mahankal	0.03	0.03			
Supa	0.11	0.11			
Vita	1.09	1.09			
Dondaicha	1.24	1.24			
Sakri	0.28	0.28			
Nandurbar	0.07	0.07			
Khandke	0.23	0.23			
Khaparale	0.60	0.60			
Total	9.02	9.02			
CPP					
JSW JAIGAD	18.13	18.13	784	687	925
WARDHA	7.15	7.15	326	206	325
Adani	20.32	20.32	1230	420	660
Other CPPs	13.93	13.93			400
Total	59.53	59.53			2310
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.91	10.91	504	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.94	2.94	130	101	120
Trombay 7B	1.66	1.66	72	62	60
Trombay 8	5.59	5.59	254	186	250
TATA Hydro	4.86	4.86	471	0	447
Total	25.97	25.97			1377
REL					
1&2	11.99	11.99	522	408	500
Total	11.99	11.99			500
Cent Sect					
Share					4713
Total					4713

MS PG CL	Thermal	90.32	90.32			3682
	Thml+Gas	103.47	103.47			4262
	Hydro	14.27	14.27			1221
	Total	117.74	117.74			5483
State Total		225.13	225.13			14383

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	3882	126	528	4536	587	2154	4164	4128	-674	-754	10697	85	10782	2040	12822	50.09
2	3826	110	526	4462	579	2032	4212	4436	-604	-701	10855	54	10909	1842	12751	50.01
3	3812	110	528	4450	631	1911	3971	4470	-475	-623	10885	54	10939	1737	12676	50.06
4	3652	110	526	4288	592	2107	3873	4451	-397	-571	10921	54	10975	1684	12659	50.06
5	3351	110	518	3979	536	1939	3923	5086	-448	-565	11021	54	11075	1677	12752	50.03
6	3395	405	516	4316	478	2063	4123	4917	-541	-591	11237	168	11405	1769	13174	49.95
7	3457	333	598	4388	413	2272	4161	4646	-568	-499	11273	410	11683	1924	13607	49.98
8	3555	766	600	4921	340	2320	4106	4434	-514	-596	11473	471	11944	2069	14013	49.99
9	3583	988	598	5169	316	2284	4544	4787	-955	-824	11785	412	12197	2369	14566	50.00
10	3601	1328	590	5519	255	2269	4593	4988	-1006	-993	12062	245	12307	2719	15026	50.01
11	3666	1573	587	5826	208	2283	4638	5051	-1046	-1063	12327	169	12496	2964	15460	50.06
12	3663	1413	586	5662	161	2439	4714	4998	-1121	-1084	12223	256	12479	3025	15504	50.07
13	3653	1032	575	5260	121	2440	4690	5072	-1098	-1061	11855	399	12254	3005	15259	49.95
14	3794	805	580	5179	151	2555	4576	4730	-983	-985	11653	349	12002	2909	14911	49.95
15	3871	920	575	5366	199	2669	4568	4727	-975	-1015	11969	289	12258	2955	15213	49.96
16	3891	1005	575	5471	301	2796	4572	4658	-980	-1141	12109	193	12302	2955	15257	49.94
17	3965	883	565	5413	301	2889	4433	4451	-955	-1125	11952	228	12180	2929	15109	49.98
18	3949	312	555	4816	284	2850	4434	4299	-977	-1213	11059	324	11383	2881	14264	49.92
19	3988	497	544	5029	351	2889	4449	4792	-911	-999	12102	300	12402	2862	15264	49.85
20	3969	491	498	4958	505	2881	4353	4482	-927	-987	11861	507	12368	2860	15228	50.01
21	3960	347	497	4804	460	2868	4364	4615	-873	-893	11876	350	12226	2699	14925	49.97
22	3977	276	497	4750	449	2843	4335	4439	-857	-945	11558	217	11775	2524	14299	50.00
23	3955	176	498	4629	411	2899	4276	4469	-824	-929	11526	131	11657	2370	14027	50.03
24	3932	151	497	4580	391	2881	4154	4322	-703	-911	11310	110	11420	2254	13674	49.94
MUs	90.35	14.27	13.16	117.77	9.02	59.53	104.23	111.45	-19.41	-21.07	277.59	5.83	283.42	59.02	342.44	49.99

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 01/Oct/2013

Position as on 6.30 Hrs of 02/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		Continued.	Annual Overhaul	
Khaparkheda Unit 5	500	26/08/2013	21.37		Continued.	Annual Overhaul	
Cent_Sect TARAPUR-4	540	07/09/2013	01.17	02/10/2013	05.27	Maintenance Work.	
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 JSW (J) U2	300	07/09/2013	00.01		Continued.	Withdrawn due to no schedule.	
CPP Adani U1	660	10/09/2013	07.30	01/10/2013	09.36	Boiler Tube Leakage	
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.	
Chandrapur Unit 4	210	30/09/2013	01.40		Continued.	BLR T/L.	
Khaparkheda Unit 3	210	30/09/2013	06.14		Continued.	BLR T/L.	
CPP Adani U-2	660	30/09/2013	07.38		Continued.	Flame Failure.	
Bhusawal Unit 4	500	01/10/2013	03.52	01/10/2013	09.41	STN T/F 4B,B-Ph CT Burst.	
Bhusawal Unit 5	500	01/10/2013	03.52	01/10/2013	12.55	STN T/F 4B,B-Ph CT Burst.	
CPP WPCL U-2	135	01/10/2013	09.47	01/10/2013	13.21	Boiler feed pump problem.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Oct/2013

Position as on 6.30 Hrs of 02/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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	28/09/2013	18:01	01/10/2013	09.05	Over Voltage.
Solapur-Solapur(PGCIL)	30/09/2013	21.45	01/10/2013	07.00	Over Voltage.
Akola - Wardha - I	30/09/2013	23.53	01/10/2013	06.30	To control O/V.
Akola - Aurangabad - I	01/10/2013	00.46	01/10/2013	06.50	To control O/V.
Kolhapur - Mapusa - I	01/10/2013	17.09		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.
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.
400/220KV,167 MVA SPARE ICT at Deepnagar	01/10/2013	16.40	01/10/2013	17.26	For checking tripping ckt.
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.)
TBC at Kharghar	01/10/2013	09.41	01/10/2013	15.46	Bkr timing,CRM.
Bhenda-Waluj	01/10/2013	09.42	01/10/2013	12.38	Tan delta testing work.
Main Bus-I at Pawas	01/10/2013	10.20	01/10/2013	14.52	Repl.of damaged isolator.
Talangade - Mumewadi	01/10/2013	10.41	01/10/2013	16.27	For LILO work at Hamidwada S/S.
Babaleshwar - Bhenda	01/10/2013	12.54	01/10/2013	14.14	Tan delta measurement work.
Lamboti - Pandharpur	01/10/2013	16.53	01/10/2013	18.59	Fixing of repair Sleeves to R,Y-Ph.
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		Continued.	Over Voltage
Khadka - Deepnagar - I	27/09/2013	12.15	01/10/2013	06.23	Over Voltage.(Ready for Charging from 00.51 dt 28.9.13)
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Warora - Tiroda - II	30/09/2013	07.44	01/10/2013	11.28	APML U-2 tripped.
Lonikand- Koyna Stage IV	01/10/2013	00.28	01/10/2013	07.38	Over Voltage.
Bhusawal - Deepnagar - II	01/10/2013	06.25		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Oct/2013

Position as on 6.30 Hrs of 02/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line in Grid,Handtripped @ Chikhali End Only.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	29/09/2013	23.25	01/10/2013	08.58	Over Voltage.
Karad - Kolhapur - II	30/09/2013	23.40	01/10/2013	08.50	Over Voltage.
400/11KV 80 MVA STN.T/F 4B at Deepnagar	01/10/2013	03.52		Continued.	B-Ph CT Burst.
Main Bus-I at Deepnagar	01/10/2013	03.52	01/10/2013	04.57	Bus Bar Prot.Optd.B-Ph CT Burst of St-4B.
Bhusawal - Deepnagar - II	01/10/2013	03.52	01/10/2013	04.57	Bus Bar Prot.Optd.B-Ph CT Burst of St-4B.
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	01/10/2013	23.45		Continued.	Over Voltage.
Karad-Kolhapur-II	01/10/2013	23.57		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
Pusad - Yavatmal	01/10/2013	04.47	01/10/2013	11.28	Dist Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Boisar - Boisar MIDC	01/10/2013	18.55	01/10/2013	20.35	D/P,Flashover at Y-Ph,CB in Lupin S/S.(taken in service except Lupin.)
Bhandara - Ambhora - I	01/10/2013	19.32	01/10/2013	20.30	Dist prot.
Bhandara-Ambhora - II	01/10/2013	19.32	01/10/2013	20.10	Dist prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	0
	620	125
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	269
Unit 5	500	
	1420	549
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	170
Unit 6	250	220
Unit 7	250	220
	1130	760
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	100
Unit 4	210	0
Unit 5	500	0
Unit 6	500	350
Unit 7	500	325
	2340	1065
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
	1340	530
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	580
	852	580
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	15
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	211
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	780
WARDHA	405	360
Adani	1320	1320
Other CPPs	300	270
	3225	2730
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	4657
	3455	4657