



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Oct/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.002	187.319	1) Gujrat	10.524	22.003
2) Hydro	7.743	22.010	2) Madhya Pradesh	20.252	42.058
3) Gas	12.601	25.758	3) Chattisgarh	10.020	20.930
Total MSGENCO	117.346	235.087	4) Maharashtra	63.804	129.450
B) 1) JSW JAIGAD	21.616	39.748	5) Goa	-4.539	-9.437
2) WPCL	8.477	15.629	6) TAPS 1&2 Injection	7.794	15.184
3) ADANI	27.620	47.940	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.527	24.456	8) Pench (Excess)	-0.879	-1.764
5) Wind Generation	9.116	18.136	# Total Cent. Sector	106.976	218.424
6) PENCH (MS)	0.879	1.764	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.274	-43.342
1) TPCL Thermal	19.042	40.145	G) Bilateral Power *		
2) TPCL Hydro	0.109	4.974	1) MSEDCL Bilateral	27.085	44.604
TOTAL TPCL	19.151	45.119	Include PX	0.000	0.000
3) REL Thermal	11.890	23.876	2) MUMBAI Bilateral	17.338	36.751
D) STATE			Include PX	4.379	10.362
1) Thermal (A1+C1+C3)	127.934	251.340	3) MUMBAI Schedule	17.338	36.751
2) Hydro (A2+B5+C2)	8.731	28.748	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.601	25.758	1) MSEDCL	280.283	557.842
4) Wind (B4)	9.116	18.136	2) TPCL	33.746	72.058
5) CPP (B1+B2+B3)	68.240	107.453	3) REL	19.568	40.276
TOTAL STATE	226.622	431.435	TOTAL STATE	333.597	670.176

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	4155	4064	3919
MSGENCO Hydro	848	492	150
MSGENCO Gas	546	492	532
MSGENCO Total Generation	5549	5048	4601
Central Sector Receipt	5173	4798	3985
WIND	76	717	273
CPP / IPP	2798	2845	2869
Exchange with Mumbai	-1047	-1183	-623
MSEDCL DEMAND MET	12571	12245	11129
Load Shedding	297	338	68
MSEDCL DEMAND	12868	12583	11197
TPCL GENERATION	924	897	661
R-INFRA GENERATION	519	518	414
TPCL+R-INFRA DEMAND	2490	2598	1698
STATE DEMAND MET	15061	14843	12827
STATE DEMAND	15358	15181	12895
Frequency (Hz)	50.15	50.06	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 08:58 Hrs	49.59 Hz at 00:01 Hrs	50.09	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 02/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	3.13	6.19	148	115	125
Unit 7	0.00	0.00	0	0	0
Total	3.13	6.19			125
Bhusawal					
Unit 2	3.36	6.63	160	125	140
Unit 3	3.34	6.42	160	110	140
Unit 4	7.28	12.04	355	255	269
Unit 5	5.92	9.07	285	205	0
Total	19.90	34.15			549
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.40	6.68	158	117	150
Unit 5	3.60	7.27	175	126	170
Unit 6	4.19	8.62	189	160	220
Unit 7	4.24	8.67	189	139	220
Total	15.42	31.24			760
Chandrapur					
Unit 1	2.93	5.97	138	92	150
Unit 2	3.08	6.50	145	100	140
Unit 3	2.52	5.84	143	83	100
Unit 4	1.00	1.00	110	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	8.47	16.32	380	320	350
Unit 7	6.45	14.34	303	213	325
Total	24.46	49.98			1065
Paras					
Unit 3	4.19	8.07	205	141	200
Unit 4	4.73	9.07	234	153	200
Total	8.92	17.14			400
Khaparkheda					
Unit 1	3.90	7.34	185	130	180
Unit 2	3.50	6.47	165	125	160
Unit 3	0.45	0.45	140	0	0
Unit 4	4.35	8.36	194	165	190
Unit 5	0.20	0.20	90	0	0
Total	12.41	22.82			530
Nasik					
Unit 3	4.24	8.64	190	160	190
Unit 4	4.28	8.63	192	165	190
Unit 5	4.24	8.53	190	161	190
Total	12.76	25.79			570
Uran					
All Units	12.60	25.76	617	468	580
Total	12.60	25.76			580
PENCH (MS)					
Pench (MS)	0.88	1.76	54	20	0
Total	0.88	1.76			0
Koyna					
Stage 1-2	1.09	4.10	90	40	520
Stage 4	2.34	7.45	506	0	250
Stage 3	0.67	2.66	222	0	240
Kovna 12&4 Total	3.43	11.55			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.10	14.21			1010
Hydro					
KDPH	0.92	1.41	39	38	0
VTRNA	0.39	0.80	61	0	61
TILLARI	0.25	0.80	60	0	60
BHTGR/VEER	0.00	0.00	0	0	5
BHIRA T.R.	0.26	0.56	41	0	40
RNGR+BHTSA	0.42	0.85	18	17	15
BHANDARDRA	0.48	0.83	31	14	10
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.92	1.80	39	38	20
GHATGHAR	0.00	0.76	0	0	0
Total	3.64	7.80			211
Wind					
MalharPeth	0.37	0.86			
Vankuswadi	0.62	1.56			
ATIT	0.07	0.13			
Kale	0.32	0.68			
Satara	2.98	6.11			
Shirala	0.31	0.70			
K Mahankal	0.06	0.09			
Supa	0.07	0.17			
Vita	1.57	2.66			
Dondaicha	1.97	3.21			
Sakri	0.23	0.50			
Nandurbar	0.16	0.23			
Khandke	0.16	0.40			
Khaparale	0.22	0.82			
Total	9.12	18.14			
CPP					
JSW JAIGAD	21.62	39.75	920	848	780
WARDHA	8.48	15.63	361	342	360
Adani	27.62	47.94	1230	890	1320
Other CPPs	10.53	24.46			270
Total	68.24	127.77			2730
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.97	20.88	504	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.39	5.33	114	94	120
Trombay 7B	1.48	3.14	67	59	60
Trombay 8	5.20	10.79	251	183	250
TATA Hydro	0.11	4.97	44	0	447
Total	19.15	45.12			1377
REL					
1&2	11.89	23.88	522	412	500
Total	11.89	23.88			500
Cent Sect					
Share					4657
Total					4657

MS PG CL	Thermal	97.00	187.32			3999
	Thml+Gas	109.60	213.08			4579
	Hydro	7.74	22.01			1221
	Total	117.35	235.09			5800
State Total		226.62	431.44			15064

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	3872	155	507	4534	393	2911	4025	4032	-526	-799	11124	81	11205	2055	13260	49.95
2	3933	155	513	4601	361	2847	3973	4085	-488	-734	11210	63	11273	1870	13143	50.02
3	3885	150	516	4551	295	2897	3934	4162	-449	-698	11227	63	11290	1771	13061	50.02
4	3919	150	532	4601	273	2869	3907	3985	-421	-623	11129	68	11197	1698	12895	50.03
5	3965	155	562	4682	273	2889	3921	3832	-423	-547	11157	68	11225	1692	12917	50.06
6	3943	155	607	4705	263	2898	4035	4025	-412	-551	11393	187	11580	1767	13347	50.05
7	3888	160	617	4665	194	2893	4109	4266	-473	-594	11478	398	11876	1802	13678	50.11
8	4021	183	614	4818	150	2968	4226	4406	-592	-635	11760	437	12197	1886	14083	50.19
9	4099	352	602	5053	87	2905	4044	4698	-408	-612	12180	437	12617	2034	14651	50.15
10	4103	604	584	5291	74	2947	4445	4733	-732	-852	12246	377	12623	2293	14916	50.25
11	4155	848	546	5549	76	2798	4649	5173	-930	-1047	12571	297	12868	2490	15358	50.15
12	4131	873	527	5531	91	2908	4683	4488	-964	-1092	11963	318	12281	2547	14828	50.08
13	4154	628	512	5294	127	2846	4652	4699	-968	-1099	11919	368	12287	2545	14832	50.10
14	4163	358	501	5022	211	2766	4500	4739	-838	-1021	11764	273	12037	2453	14490	50.17
15	3982	431	487	4900	342	2770	4523	4824	-866	-1031	11845	181	12026	2451	14477	50.08
16	4023	429	492	4944	514	2885	4571	4507	-914	-1013	11858	161	12019	2446	14465	50.10
17	4131	147	492	4770	638	2771	4550	4418	-906	-983	11654	170	11824	2414	14238	50.11
18	4062	164	492	4718	766	2569	4560	4327	-891	-1101	11328	194	11522	2421	13943	50.03
19	4125	329	492	4946	702	2490	4659	5024	-909	-1315	11867	161	12028	2512	14540	50.03
20	4064	492	492	5048	717	2845	4770	4798	-999	-1183	12245	338	12583	2598	15181	50.06
21	4101	265	486	4852	694	2897	4700	4691	-1009	-1156	12000	242	12242	2562	14804	50.04
22	4125	232	487	4844	709	2925	4566	4477	-928	-1244	11733	145	11878	2477	14355	50.10
23	4097	181	473	4751	606	2880	4385	4481	-756	-1241	11500	102	11602	2337	13939	50.12
24	4061	147	468	4676	560	2866	4160	4106	-536	-1103	11132	94	11226	2194	13420	50.10
MUs	97.00	7.74	12.60	117.35	9.12	68.24	104.55	106.98	-17.34	-22.27	280.28	5.22	285.51	53.32	338.82	50.09

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 02/Oct/2013

Position as on 6.30 Hrs of 03/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	
Khaparkheda Unit 5	500	26/08/2013	21.37	02/10/2013	21.29	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	02/10/2013	20.57	Withdrawn due to no schedule.	
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	02/10/2013	11.07	BLR T/L.	
Khaparkheda Unit 3	210	30/09/2013	06.14	02/10/2013	19.03	BLR T/L.	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Oct/2013

Position as on 6.30 Hrs of 03/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		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.
Bus Coupler @ Padgha	02/10/2013	10.06	02/10/2013	13.39	Red Hot
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.)
Vita - Lamboti	02/10/2013	07.20	02/10/2013	18.53	Making Cut Point of Newly erected Tower
Talandge - Sawantwadi	02/10/2013	08.45	02/10/2013	19.35	Isolator cleaning of Poullated Insulator String
Koradi-Ambazari-I	02/10/2013	10.09	02/10/2013	14.35	Replacement of LA
Ghatghar-Bapgaon	02/10/2013	17.08	02/10/2013	22.17	Distance Protection
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
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.
Ambazari-Amravati	02/10/2013	11.57	02/10/2013	13.34	B Phase CT Heavy Oil Leakage
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-Jaigad I	01/10/2013	23.45	02/10/2013	09.29	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Oct/2013

Position as on 6.30 Hrs of 03/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Kolhapur-II	01/10/2013	23.57	02/10/2013	09.18	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		Continued.	Distance Protection
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
Voltage Level : 132KV			Outage Type TRIPPED		
Yavatmal - Panderkawada	02/10/2013	16.55	02/10/2013	17.10	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	142
Unit 7	210	100
	620	242
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	110
Unit 5	210	118
Unit 6	250	160
Unit 7	250	170
	1130	558
Chandrapur		
Unit 1	210	110
Unit 2	210	110
Unit 3	210	100
Unit 4	210	120
Unit 5	500	0
Unit 6	500	300
Unit 7	500	275
	2340	1015
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	200
	1340	940
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	525
	852	525
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	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	15
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	955
WARDHA	405	360
Adani	1320	1320
Other CPPs	300	270
	3225	2905
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	4924
	3455	4924