



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Oct/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.327	1318.269	1) Gujrat	12.045	143.080
2) Hydro	9.866	107.021	2) Madhya Pradesh	18.410	242.017
3) Gas	11.084	117.349	3) Chattisgarh	11.490	152.632
Total MSGENCO	134.277	1542.639	4) Maharashtra	53.276	715.507
B) 1) JSW JAIGAD	27.279	336.525	5) Goa	-5.629	-74.016
2) WPCL	9.840	114.315	6) TAPS 1&2 Injection	4.740	56.191
3) ADANI	9.610	120.710	7) RGPPL Injection	15.192	181.638
4) Other CPP / IPP	6.742	86.126	8) Pench (Excess)	-0.880	-9.058
5) Wind Generation	1.146	34.025	# Total Cent. Sector	108.644	1407.991
6) PENCH (MS)	0.880	9.058	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.550	-153.547
1) TPCL Thermal	29.470	371.082	G) Bilateral Power *		
2) TPCL Hydro	4.284	52.230	1) MSEDCL Bilateral	44.357	556.232
TOTAL TPCL	33.754	423.312	Include PX	-0.615	12.970
3) REL Thermal	12.571	162.708	2) MUMBAI Bilateral	11.911	177.784
D) STATE			Include PX	0.026	32.638
1) Thermal (A1+C1+C3)	155.368	1852.059	3) MUMBAI Schedule	11.911	177.784
2) Hydro (A2+B5+C2)	15.030	168.309	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.084	117.349	1) MSEDCL	288.868	3497.842
4) Wind (B4)	1.146	34.025	2) TPCL	37.343	496.592
5) CPP (B1+B2+B3)	53.471	546.576	3) REL	18.531	242.941
TOTAL STATE	236.099	2718.318	TOTAL STATE	344.742	4237.375

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4585	4722	4775
MSGENCO Hydro	1090	797	104
MSGENCO Gas	442	461	464
MSGENCO Total Generation	6117	5980	5343
Central Sector Receipt	4921	4758	3577
WIND	44	41	35
CPP / IPP	2241	2340	2160
Exchange with Mumbai	-534	-457	-192
MSEDCL DEMAND MET	12838	12662	10974
Load Shedding	741	424	160
MSEDCL DEMAND	13579	13086	11134
TPCL GENERATION	1658	1692	1074
R-INFRA GENERATION	525	523	524
TPCL+R-INFRA DEMAND	2717	2672	1790
STATE DEMAND MET	15555	15334	12764
STATE DEMAND	16296	15758	12924
Frequency (Hz)	49.94	49.90	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 17.04 Hrs	49.58 Hz at 18.33 Hrs	49.92	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 13/Oct/2012

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	3.02	37.02	165	78	135
Unit 7	3.10	16.92	155	95	130
Total	6.12	53.94			265
Bhusawal					
Unit 2	3.20	31.96	145	125	140
Unit 3	2.87	42.38	140	100	150
Unit 4	4.50	28.39	334	78	0
Unit 5	0.00	0.00	0	0	0
Total	10.57	102.72			290
Parli					
Unit 3	3.70	40.17	172	132	165
Unit 4	3.41	29.96	166	120	140
Unit 5	0.00	0.00	0	0	0
Unit 6	4.50	53.50	212	161	175
Unit 7	4.52	55.58	210	130	180
Total	16.12	179.22			660
Chandrapur					
Unit 1	3.36	41.27	150	130	155
Unit 2	3.39	40.41	164	126	160
Unit 3	4.63	45.12	201	171	180
Unit 4	4.45	30.82	193	163	190
Unit 5	8.66	104.10	420	285	400
Unit 6	9.53	112.37	440	291	400
Unit 7	8.13	99.58	382	289	300
Total	42.15	473.67			1785
Paras					
Unit 3	4.19	54.74	240	144	250
Unit 4	0.00	47.39	0	0	0
Total	4.19	102.13			250
Khaparkheda					
Unit 1	3.60	40.12	185	125	150
Unit 2	3.94	42.14	175	140	150
Unit 3	3.97	48.04	180	145	160
Unit 4	3.71	47.74	162	148	160
Unit 5	7.18	87.31	368	235	300
Total	22.40	265.35			920
Nasik					
Unit 3	4.01	54.80	180	150	200
Unit 4	3.74	34.96	173	140	180
Unit 5	4.03	51.47	176	157	185
Total	11.78	141.23			565
Uran					
All Units	11.08	117.35	477	430	440
Total	11.08	117.35			440
PENCH (MS)					
Pench (MS)	0.88	9.06	53	0	
Total	0.88	9.06			
Koyna					
Stage 1-2	3.48	35.02	385	40	600
Stage 4	2.14	24.84	366	0	250
Stage 3	1.40	14.80	236	0	320
Kovna 12&4 Total	5.62	59.86			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.01	74.66			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.24	0.24	61	0	0
TILLARI	0.04	3.06	35	0	41
BHTGR/VEER	0.12	2.00	5	4	5
BHIRA T.R.	0.25	3.36	82	0	66
RNGR+BHTSA	0.36	3.97	15	13	15
BHANDARDRA	0.00	2.90	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.39	8.45	22	13	8
GHATGHAR	1.46	8.20	240	0	0
Total	2.85	32.36			135
Wind					
MalharPeth	0.12	1.98			
Vankuswadi	0.20	2.66			
ATIT	0.01	1.32			
Kale	0.05	0.96			
Satara	0.07	4.04			
Shirala	0.03	1.05			
K Mahankal	0.29	1.88			
Supa	0.04	0.56			
Vita	0.22	6.85			
Dondaicha	0.02	8.77			
Sakri	0.01	1.06			
Nandurbar	0.01	1.02			
Khandke	0.06	1.09			
Khaparale	0.02	0.78			
Total	1.15	34.02			
CPP					
JSW JAIGAD	27.28	336.52	1211	1044	1094
WARDHA	9.84	114.32	430	326	420
Adani	9.61	120.71	410	390	
Other CPPs	6.74	86.13			
Total	53.47	657.68			1514
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.92	141.80	504	483	500
Trombay 6	7.48	95.92	486	157	500
Trombay 7A	2.58	35.81	127	69	120
Trombay 7B	1.53	20.52	69	53	60
Trombay 8	5.97	77.02	252	247	250
TATA Hydro	4.28	52.23	306	0	317
Total	33.75	423.31			1747
REL					
1&2	12.57	162.71	526	519	500
Total	12.57	162.71			500
Cent Sect					
Share					4630
Total					4630

MS PG CL	Thermal	113.33	1318.27			4735
	Thml+Gas	124.41	1435.62			5175
	Hydro	9.87	107.02			1305
	Total	134.28	1542.64			6480
State Total		236.10	2718.32			14871

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Oct/2012

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	4823	258	464	5545	32	2184	3989	3980	-476	-520	11271	129	11400	2087	13487	49.80
2	4815	133	464	5412	34	2160	3905	3796	-377	-344	11108	164	11272	1918	13190	49.92
3	4775	104	464	5343	35	2160	3938	3577	-317	-192	10974	160	11134	1790	12924	49.86
4	4821	88	463	5372	38	2144	3931	3618	-287	-123	11100	129	11229	1736	12965	49.95
5	4694	74	463	5231	60	2139	3862	3849	-281	-71	11259	157	11416	1692	13108	49.90
6	4663	84	466	5213	67	2148	4229	4281	-392	-127	11635	294	11929	1736	13665	49.83
7	4713	144	466	5323	62	2147	4316	4488	-300	-168	11877	708	12585	1793	14378	49.97
8	4822	89	468	5379	59	2180	4429	4601	-411	-228	12016	808	12824	1874	14698	49.91
9	4669	224	477	5370	46	2328	4421	4547	-399	-337	11979	812	12791	2117	14908	49.82
10	4635	634	440	5709	47	2334	4479	4763	-457	-403	12457	604	13061	2432	15493	49.93
11	4651	899	430	5980	36	2324	4610	4793	-582	-521	12619	510	13129	2682	15811	49.96
12	4585	1090	442	6117	44	2241	4673	4921	-641	-534	12838	741	13579	2717	16296	49.94
13	4597	744	457	5798	33	2224	4701	5029	-641	-492	12639	828	13467	2715	16182	49.94
14	4677	567	456	5700	34	2206	4664	4957	-557	-459	12485	739	13224	2667	15891	49.95
15	4629	757	454	5840	32	2317	4684	5135	-598	-485	12886	589	13475	2707	16182	49.94
16	4611	973	460	6044	44	2299	4689	5062	-601	-478	12981	486	13467	2695	16162	49.86
17	4722	797	461	5980	41	2340	4591	4758	-566	-457	12662	424	13086	2672	15758	49.90
18	4883	318	464	5665	47	2318	4322	4377	-481	-415	11992	425	12417	2617	15034	50.07
19	4923	639	465	6027	45	2320	4597	4535	-514	-528	12442	414	12856	2713	15569	49.93
20	4860	844	470	6174	36	2248	4843	4482	-611	-574	12416	589	13005	2710	15715	50.04
21	4804	169	473	5446	30	2265	4877	4819	-624	-569	12038	537	12575	2635	15210	49.98
22	4784	86	475	5345	35	2205	4837	4564	-616	-520	11677	514	12191	2503	14694	50.01
23	4681	71	470	5222	78	2118	4795	4794	-618	-510	11752	215	11967	2375	14342	49.91
24	4490	80	472	5042	131	2122	4754	4918	-566	-495	11765	142	11907	2292	14199	49.81
MUs	113.33	9.87	11.08	134.28	1.15	53.47	107.14	108.64	-11.91	-9.55	288.87	11.12	299.99	55.88	355.86	49.92

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 13/Oct/2012

Position as on 6.30 Hrs of 14/Oct/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	14/10/2012
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	29/10/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Cent_Sect TARAPUR-3	540	28/09/2012	16.59	13/10/2012	16.30	Reactor problem	
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Dabhol 2X	290	02/10/2012	07.15		Continued.	Gas Shortage.	
Dabhol 2A	230	02/10/2012	07.16		Continued.	Gas Shortage.	
Dabhol 1A	230	05/10/2012	15.00		Continued.	Gas Shortage.	
Uran Unit 8	108	07/10/2012	10.43		Continued.	Gas Shortage.	
Dabhol 1X	290	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Cent_Sect NTPC(K-1)	210	11/10/2012	12.45	13/10/2012	11.33	Boiler stop valve problem.	
Paras Unit 4	250	12/10/2012	22.09	14/10/2012	12.35	Boiler Tube Leakage	
Koyna Unit 11	80	13/10/2012	07.30		Continued.	Rotor Inspection	16/10/2012
CPP WPCL U-2	135	13/10/2012	11.06	13/10/2012	13.31	Furnace Flame Loss	
Koyna Unit 7	80	14/10/2012	23.30		Continued.	Coller Water Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Oct/2012

Position as on 6.30 Hrs of 14/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Bhadravati - III	13/10/2012	10.48	14/10/2012	16.25	Line Crossing work
Chandrapur - Bhadravati - IV	13/10/2012	10.48	14/10/2012	17.23	Line Crossing work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Wardha - Deoli (PGCIL)	06/10/2012	10.26		Continued.	WT Replacement Work, Ready for charging 15.45Hrs.Dt.06.10.2012
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Kolhapur - Mapusa - II	27/09/2012	16.10		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	04/10/2012	21.19		Continued.	Over Voltage.
Wardha - Seoni - I	04/10/2012	22.03		Continued.	Over Voltage.
Parli-Parli (PGCIL) I	08/10/2012	00.40		Continued.	Over Voltage.
Dhule-S'Sarovar I	11/10/2012	23.17	13/10/2012	12.38	Over Voltage.
Akola - Wardha - II	14/10/2012	21.48		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
400/220 KV 300 MVA ICT-I @ Koradi	05/10/2012	09.20	13/10/2012	12.39	Oil Filtration
Babaleshwar - Bhusawal	12/10/2012	14.25		Continued.	Replacement of Tower Loc.No.524,Ready for Charging from 19.35 Hrs dt 14.10.12.
400/220 KV315 MVA ICT-I @ BBLR	13/10/2012	10.02	13/10/2012	19.23	CT replacement
400/220 KV 600 MVA ICT-II @ Kalwa	13/10/2012	11.19	14/10/2012	14.42	Replacement of 29D Isolator
400/220 KV 315 MVA ICT-II @ Lonikand	13/10/2012	15.27	13/10/2012	15.58	HV Side Breaker SF6 Filling, taken on TBC
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/6.6kv Stn. T/F NO.IV @ KORADI	25/09/2012	13.06		Continued.	Testing work.
Dhule-Chalisgaon	01/10/2012	13.14		Continued.	For Conneeting New Bbslr Ckt-II TO S/S Main Bus.
Apta-Nagothane	13/10/2012	07.58		Continued.	LILO arrangement at ACCIL
Hinjawadi-I - Hinjawadi-II	13/10/2012	08.14	13/10/2012	18.18	Stringing work
220/132 KV,200 MVA ICT-I at Ahamadnagar	13/10/2012	08.53	13/10/2012	14.25	Hot Spot
Badnera - Rly TSS - II	13/10/2012	09.34	13/10/2012	13.08	Q.M.Work
220/110 KV 200 MVA ICT III at Tilawane	13/10/2012	10.30	13/10/2012	16.54	Q.M.Work
Badnera-Akola Ckt.I	13/10/2012	12.15	13/10/2012	16.37	Q.M.Work
Alephata-Kathapur	14/10/2012	08.07	14/10/2012	18.47	Kathapur Line Shifting on Bus-II.
220/100KV 50 MVA T/F-	14/10/2012	11.48	14/10/2012	19.52	L V Side Breaker Overhauling Work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Oct/2012

Position as on 6.30 Hrs of 14/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
III @ K'gaon					
Mulund-Trombay	14/10/2012	17.13	14/10/2012	21.04	Transfer of Load from Main C B to Central C B.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315MVA ICT-II @ Karad	12/10/2012	08.33		Continued.	Heavy Oil Leakage, charged at 18.56Hrs from LV side
Kalwa-Padgha-II	13/10/2012	12.07	13/10/2012	19.13	Insulator Replacement
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Karad - Kolhapur - II	12/10/2012	21.37	13/10/2012	08.48	Over Voltage
Lonikand- Koyna Stage IV	13/10/2012	01.12	13/10/2012	07.24	Over Voltage
Karad - Kolhapur - II	13/10/2012	23.50	14/10/2012	09.52	Over Voltage
Karad-Kolhapur-II	14/10/2012	21.48		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated.
Deepnagar-Aurangabad-I	29/09/2012	11.31		Continued.	Dist.Prot.,Ready for Charging from 20.58 Hrs.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	30/09/2012	19.40		Continued.	Distance Protection.
Malegaon - Satana - I	12/10/2012	11.23	13/10/2012	12.45	B Phase Conductor Snapped
Girwali - Parbhani	14/10/2012	02.58	14/10/2012	08.37	Distance Protection Operated, Y Ph. L A Burst.
Karad-Kolhapur - II	14/10/2012	16.03		Continued.	Dist.Prot. B Ph to Neutral Z-II.
Voltage Level : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.
Boiser - Viraj	14/10/2012	12.39	14/10/2012	13.57	Dist.Prot. B Ph to Neutral.
Paranda-Bhoom	14/10/2012	17.34	14/10/2012	17.40	Breaker Tripped @ Paranda End Only.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	130
	620	250
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	290
Parli		
Unit 3	210	170
Unit 4	210	150
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	680
Chandrapur		
Unit 1	210	155
Unit 2	210	140
Unit 3	210	200
Unit 4	210	200
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1595
Paras		
Unit 3	250	160
Unit 4	250	0
	500	160
Khaparkheda		
Unit 1	210	130
Unit 2	210	130
Unit 3	210	140
Unit 4	210	150
Unit 5	500	300
	1340	850
Nasik		
Unit 3	210	200
Unit 4	210	180
Unit 5	210	185
	630	565
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	35
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	
	611	203
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	600	1100
WARDHA	405	420
Adani	660	
Other CPPs	0	
	1665	1520
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	317
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4510
	3455	4510