



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Oct/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.322	1204.942	1) Gujrat	9.843	131.035
2) Hydro	2.840	97.155	2) Madhya Pradesh	19.305	223.607
3) Gas	11.314	106.265	3) Chattisgarh	11.110	141.142
Total MSGENCO	134.476	1408.362	4) Maharashtra	53.244	662.231
B) 1) JSW JAIGAD	25.662	309.246	5) Goa	-5.780	-68.387
2) WPCL	9.569	104.475	6) TAPS 1&2 Injection	4.553	51.451
3) ADANI	8.360	111.100	7) RGPPL Injection	14.715	166.446
4) Other CPP / IPP	7.389	79.384	8) Pench (Excess)	-0.594	-8.178
5) Wind Generation	1.166	32.879	# Total Cent. Sector	106.396	1299.347
6) PENCH (MS)	0.594	8.178	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.742	-143.997
1) TPCL Thermal	28.865	341.612	G) Bilateral Power *		
2) TPCL Hydro	4.094	47.946	1) MSEDCL Bilateral	44.126	511.876
TOTAL TPCL	32.959	389.558	Include PX	0.000	13.585
3) REL Thermal	12.553	150.137	2) MUMBAI Bilateral	16.197	165.873
D) STATE			Include PX	3.559	32.612
1) Thermal (A1+C1+C3)	161.740	1696.691	3) MUMBAI Schedule	16.197	165.873
2) Hydro (A2+B5+C2)	7.528	153.279	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.314	106.265	1) MSEDCL	280.870	3208.974
4) Wind (B4)	1.166	32.879	2) TPCL	39.327	459.249
5) CPP (B1+B2+B3)	50.980	501.465	3) REL	18.926	224.410
TOTAL STATE	232.728	2490.579	TOTAL STATE	339.123	3892.633

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	5043	5280	4667
MSGENCO Hydro	176	232	84
MSGENCO Gas	458	480	478
MSGENCO Total Generation	5677	5992	5229
Central Sector Receipt	5069	4547	3607
WIND	14	55	53
CPP / IPP	2262	2127	2079
Exchange with Mumbai	-730	-627	-237
MSEDCL DEMAND MET	12315	12114	10781
Load Shedding	392	353	204
MSEDCL DEMAND	12707	12467	10985
TPCL GENERATION	1656	1685	947
R-INFRA GENERATION	526	522	524
TPCL+R-INFRA DEMAND	2912	2834	1708
STATE DEMAND MET	15227	14948	12489
STATE DEMAND	15619	15301	12693
Frequency (Hz)	49.98	50.10	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 18.00 Hrs	49.59 Hz at 22.46 Hrs	49.96	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 12/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	3.34	34.00	158	125	130
Unit 7	3.10	13.82	160	100	130
Total	6.43	47.82			260
Bhusawal					
Unit 2	2.84	28.76	145	0	125
Unit 3	3.14	39.50	145	100	134
Unit 4	7.25	23.89	367	228	
Unit 5	0.00	0.00	0	0	
Total	13.23	92.16			259
Parli					
Unit 3	3.92	36.47	172	146	160
Unit 4	3.62	26.55	169	137	135
Unit 5	0.00	0.00	0	0	0
Unit 6	4.57	49.01	217	165	180
Unit 7	4.42	51.06	214	160	170
Total	16.53	163.10			645
Chandrapur					
Unit 1	3.50	37.90	157	134	160
Unit 2	3.81	37.02	165	145	160
Unit 3	4.13	40.49	200	126	190
Unit 4	3.79	26.37	188	115	130
Unit 5	8.44	95.44	415	235	350
Unit 6	9.60	102.84	470	235	350
Unit 7	8.39	91.45	380	295	350
Total	41.66	431.52			1690
Paras					
Unit 3	5.08	50.55	255	175	200
Unit 4	4.20	47.39	233	0	200
Total	9.29	97.94			400
Khaparkheda					
Unit 1	3.20	36.52	160	95	150
Unit 2	3.53	38.20	165	115	136
Unit 3	3.38	44.07	181	0	0
Unit 4	3.70	44.03	164	146	155
Unit 5	6.74	80.13	314	239	370
Total	20.55	242.96			811
Nasik					
Unit 3	4.33	50.79	195	160	200
Unit 4	4.10	31.22	182	144	180
Unit 5	4.21	47.44	185	162	185
Total	12.63	129.45			565
Uran					
All Units	11.31	106.26	495	454	450
Total	11.31	106.26			450
PENCH (MS)					
Pench (MS)	0.59	8.18	50	0	
Total	0.59	8.18			
Koyna					
Stage 1-2	1.16	31.54	85	40	600
Stage 4	0.00	22.70	0	0	250
Stage 3	0.41	13.40	160	0	320
Kovna 12&4 Total	1.16	54.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.58	67.65			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.05	3.02	41	0	60
BHTGR/VEER	0.12	1.88	5	5	5
BHIRA T.R.	0.22	3.11	66	0	80
RNGR+BHTSA	0.36	3.61	15	14	15
BHANDARDRA	0.00	2.90	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.52	8.06	29	19	8
GHATGHAR	0.00	6.74	0	0	0
Total	1.26	29.51			168
Wind					
MalharPeth	0.14	1.86			
Vankuswadi	0.17	2.46			
ATIT	0.04	1.30			
Kale	0.05	0.91			
Satara	0.10	3.97			
Shirala	0.05	1.02			
K Mahankal	0.04	1.60			
Supa	0.09	0.52			
Vita	0.10	6.63			
Dondaicha	0.24	8.75			
Sakri	0.05	1.05			
Nandurbar	0.04	1.01			
Khandke	0.04	1.03			
Khaparale	0.02	0.77			
Total	1.17	32.88			
CPP					
JSW JAIGAD	25.66	309.25	1220	1041	1094
WARDHA	9.57	104.48	430	374	424
Adani	8.36	111.10	360	320	
Other CPPs	7.39	79.38			
Total	50.98	604.20			1518
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.42	129.88	501	347	500
Trombay 6	7.08	88.45	487	155	500
Trombay 7A	2.75	33.24	127	85	120
Trombay 7B	1.60	19.00	70	58	60
Trombay 8	6.03	71.05	254	249	250
TATA Hydro	4.09	47.95	306	0	318
Total	32.96	389.56			1748
REL					
1&2	12.55	150.14	526	520	500
Total	12.55	150.14			500
Cent Sect					
Share					4864
Total					4864

MS PG CL	Thermal	120.32	1204.94			4630
	Thml+Gas	131.64	1311.21			5080
	Hydro	2.84	97.16			1338
	Total	134.48	1408.36			6418
State Total		232.73	2490.58			15048

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4749	89	471	5309	217	2083	4316	4019	-527	-408	11270	50	11320	2043	13363	49.92
2	4703	84	476	5263	104	2080	4066	3759	-431	-332	10924	120	11044	1869	12913	49.85
3	4674	84	476	5234	93	2074	3971	3759	-376	-302	10908	187	11095	1773	12868	49.97
4	4667	84	478	5229	53	2079	3936	3607	-340	-237	10781	204	10985	1708	12693	49.96
5	4596	84	483	5163	44	2076	3937	3818	-333	-189	10962	232	11194	1693	12887	49.90
6	4686	89	485	5260	29	2083	4418	4270	-344	-147	11545	376	11921	1775	13696	49.83
7	4847	89	495	5431	31	2071	4417	4237	-393	-250	11557	776	12333	1870	14203	49.98
8	5118	79	475	5672	25	2087	4506	3814	-478	-306	11302	839	12141	1988	14129	50.05
9	4993	173	460	5626	24	2135	4549	3886	-493	-346	11335	845	12180	2262	14442	49.95
10	4926	335	468	5729	23	2292	4649	4372	-630	-487	11946	544	12490	2646	15136	49.93
11	4892	233	465	5590	18	2299	4855	4852	-803	-639	12137	432	12569	2859	15428	49.88
12	5043	176	458	5677	14	2262	5013	5069	-979	-730	12315	392	12707	2912	15619	49.98
13	5261	86	459	5806	13	2135	5059	4960	-1008	-774	12140	366	12506	2901	15407	49.95
14	5247	84	454	5785	13	2124	4981	4923	-968	-722	12123	251	12374	2813	15187	50.03
15	5293	89	458	5840	17	2112	5029	5001	-1037	-801	12169	232	12401	2873	15274	49.87
16	5358	84	455	5897	21	2136	4967	5098	-1027	-844	12308	201	12509	2904	15413	49.87
17	5306	89	460	5855	25	2136	4987	5014	-1022	-832	12198	174	12372	2898	15270	49.91
18	5346	79	470	5895	40	2123	4771	4462	-882	-818	11702	225	11927	2840	14767	50.09
19	5351	100	480	5931	61	2136	4730	4689	-745	-695	12155	271	12426	2852	15278	49.99
20	5280	232	480	5992	55	2127	4874	4547	-753	-627	12114	353	12467	2834	15301	50.10
21	5310	144	473	5927	48	2082	4884	4575	-652	-560	12092	197	12289	2746	15035	50.04
22	5152	83	477	5712	77	2079	4874	4530	-660	-507	11901	178	12079	2544	14623	50.07
23	4782	88	480	5350	73	2084	4703	4598	-679	-596	11558	75	11633	2404	14037	49.88
24	4742	83	478	5303	48	2085	4529	4537	-638	-593	11428	48	11476	2247	13723	49.92
MUs	120.32	2.84	11.31	134.48	1.17	50.98	111.02	106.40	-16.20	-12.74	280.87	7.57	288.44	58.25	346.69	49.96

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 12/Oct/2012

Position as on 6.30 Hrs of 13/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
Koyna ST-IV 2	250	20/08/2012	12.22	12/10/2012	18.30	Buchholz relay alarm.Gen.T/F overhauling	
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.	
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.	
Cent_Sect sipat-5	500	09/10/2012	10.38	12/10/2012	19.38	BLR T/L.	
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		Continued.	Boiler stop valve problem.	
Khaparkheda Unit 3	210	12/10/2012	03.34	12/10/2012	07.17	Furnance pressure high.	
Bhusawal Unit 2	210	12/10/2012	08.34	12/10/2012	11.31	Flame Failure	
Paras Unit 4	250	12/10/2012	22.09		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Oct/2012

Position as on 6.30 Hrs of 13/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	12/10/2012	13.08	12/10/2012	15.26	Distance Protection
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		Continued.	Oil Filtration
400/220KV 315MVA ICT-III at Karad.	11/10/2012	12.31	12/10/2012	08.28	Replacement of differential relay.
400/220 KV 315 MVA ICT - I @ Aurangabad	12/10/2012	10.49	12/10/2012	19.09	Retrofitting of Differential Relay
Babaleshwar - Bhusawal	12/10/2012	14.25		Continued.	Replacement of Tower Loc.No.524
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.
Malegaon - Satana - I	12/10/2012	09.00	12/10/2012	11.12	Tan Delta Testing
220/132KV 150 MVA ICT @ Ambazari.	12/10/2012	09.06	12/10/2012	20.03	Measurement of Tan Delta
Ghatghar - Washala	12/10/2012	09.55	12/10/2012	19.20	Replacement of Conductor
220/132 KV,100MVA ICT-II At Padegaon.	12/10/2012	10.22	12/10/2012	15.07	Maintenance work
Ghatghar-Jindal	12/10/2012	10.37	12/10/2012	19.50	Replacement of Flash Over Insulator
Badnera--Rly.TSS - I	12/10/2012	10.47	12/10/2012	13.32	Q.M.Work
220/100KV 200MVA ICT-IV at Kalwa	12/10/2012	10.48	12/10/2012	17.37	C.T.Oil Leakage
Kalwa-Colourchem	12/10/2012	11.13	12/10/2012	22.38	Relay Testing work
Dhule-Chalisgaon	12/10/2012	11.59	12/10/2012	15.51	Connection of Newly constructed 220KV Aux.Bus
Chalisgaon - Malegaon	12/10/2012	12.00	12/10/2012	15.52	Connection of Newly Constructed 220KV Aux.Bus
Bhosari-C'enka	12/10/2012	12.30	12/10/2012	16.56	To take A/R in service
Vasai - Bhoisor (PGCIL)	12/10/2012	12.30	12/10/2012	19.12	Testing work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Oct/2012

Position as on 6.30 Hrs of 13/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Vita - Lamboti	12/10/2012	16.57	12/10/2012	19.09	Replacement of Wave Trap Jumper
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
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.
Bhusawal- Aurangabad	30/09/2012	16.23	12/10/2012	13.12	Over Voltage.(Repl.of insulator.opp.outage on 27.09.2012)
Karad - Kolhapur - I	11/10/2012	23.07	12/10/2012	10.21	Over Voltage.
Lonikand- Koyna Stage IV	11/10/2012	23.43	12/10/2012	08.21	Over Voltage.
Karad - Kolhapur - II	12/10/2012	21.37		Continued.	Over Voltage
Lonikand- Koyna Stage IV	13/10/2012	01.12		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Babaleshwar - Chalisgaon	27/09/2012	15.02	12/10/2012	14.45	To Relief Dhule ICT Loading.
Vita-Mhaisal	11/10/2012	13.47	12/10/2012	19.40	Breaker coil replaced at Mhaisal end.
Karad-Mudsingi-IV	12/10/2012	07.41	12/10/2012	08.44	To control ICT Loading
Aurangabad - Babaleshwar	12/10/2012	10.25	12/10/2012	19.18	ICT-I outage at A'Bad
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		Continued.	B Phase Conductor Snapped
Kharghar-TSS	12/10/2012	13.45	12/10/2012	15.19	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	130
	620	265
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	290
Parli		
Unit 3	210	165
Unit 4	210	140
Unit 5	210	0
Unit 6	250	175
Unit 7	250	180
	1130	660
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	180
Unit 4	210	190
Unit 5	500	400
Unit 6	500	400
Unit 7	500	300
	2340	1785
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	300
	1340	920
Nasik		
Unit 3	210	200
Unit 4	210	180
Unit 5	210	185
	630	565
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	41
BHTGR/VEER	21	5
BHIRA T.R.	80	66
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	135
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	1094
WARDHA	405	420
Adani	660	
Other CPPs	0	
	1665	1514
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	4630
	3455	4630