



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Oct/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.835	1757.199	1) Gujrat	18.374	207.226
2) Hydro	19.850	156.388	2) Madhya Pradesh	19.444	313.001
3) Gas	11.349	162.115	3) Chattisgarh	13.090	203.602
Total MSGENCO	132.034	2075.702	4) Maharashtra	71.303	973.974
B) 1) JSW JAIGAD	29.049	450.794	5) Goa	-6.498	-99.616
2) WPCL	7.675	150.874	6) TAPS 1&2 Injection	4.346	74.984
3) ADANI	0.000	142.910	7) RGPPL Injection	15.516	242.363
4) Other CPP / IPP	6.977	109.805	8) Pench (Excess)	-0.873	-11.834
5) Wind Generation	4.807	48.166	# Total Cent. Sector	134.702	1903.700
6) PENCH (MS)	0.873	11.834	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.254	-200.211
1) TPCL Thermal	30.308	486.524	G) Bilateral Power *		
2) TPCL Hydro	4.781	67.522	1) MSEDCL Bilateral	46.332	744.784
TOTAL TPCL	35.089	554.046	Include PX	1.111	18.801
3) REL Thermal	12.590	213.046	2) MUMBAI Bilateral	14.813	232.675
D) STATE			Include PX	3.846	41.586
1) Thermal (A1+C1+C3)	143.733	2456.769	3) MUMBAI Schedule	14.813	232.675
2) Hydro (A2+B5+C2)	25.504	235.744	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.349	162.115	1) MSEDCL	303.863	4693.574
4) Wind (B4)	4.807	48.166	2) TPCL	40.078	648.813
5) CPP (B1+B2+B3)	43.701	711.473	3) REL	19.855	318.453
TOTAL STATE	229.094	3614.267	TOTAL STATE	363.796	5660.840

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	4065	4058	4335
MSGENCO Hydro	1666	1535	77
MSGENCO Gas	440	466	500
MSGENCO Total Generation	6171	6059	4912
Central Sector Receipt	5706	6111	4860
WIND	322	167	137
CPP / IPP	1834	1809	1839
Exchange with Mumbai	-730	-636	-151
MSEDCL DEMAND MET	13329	13560	11647
Load Shedding	809	106	125
MSEDCL DEMAND	14138	13666	11772
TPCL GENERATION	1715	1748	1117
R-INFRA GENERATION	522	523	527
TPCL+R-INFRA DEMAND	2967	2907	1795
STATE DEMAND MET	16296	16467	13442
STATE DEMAND	17105	16573	13567
Frequency (Hz)	49.80	49.90	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 17.02 Hrs	49.36 Hz at 18.07 Hrs	49.9	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 17/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	2.81	49.26	150	0	130
Unit 7	3.38	30.26	165	115	140
Total	6.18	79.52			270
Bhusawal					
Unit 2	3.32	45.23	150	125	140
Unit 3	3.34	55.56	155	130	150
Unit 4	7.28	59.29	434	207	
Unit 5	0.00	0.00	0	0	
Total	13.95	160.08			290
Parli					
Unit 3	3.18	52.60	163	106	140
Unit 4	3.34	43.64	186	115	160
Unit 5	0.00	0.00	0	0	0
Unit 6	4.62	71.97	246	154	180
Unit 7	4.30	73.89	225	157	160
Total	15.45	242.09			640
Chandrapur					
Unit 1	3.53	55.65	155	104	160
Unit 2	3.73	54.91	159	151	160
Unit 3	4.63	63.60	200	185	190
Unit 4	4.58	49.03	195	189	190
Unit 5	0.00	117.64	0	0	0
Unit 6	8.83	146.84	440	295	400
Unit 7	8.28	132.14	408	243	370
Total	33.58	619.81			1470
Paras					
Unit 3	4.44	72.75	201	160	210
Unit 4	0.07	56.12	62	0	0
Total	4.50	128.86			210
Khaparkheda					
Unit 1	3.27	53.55	180	90	150
Unit 2	2.09	51.82	115	65	150
Unit 3	4.54	63.64	225	160	160
Unit 4	4.00	62.87	186	145	160
Unit 5	5.36	111.12	300	0	300
Total	19.26	343.00			920
Nasik					
Unit 3	3.84	70.68	190	140	200
Unit 4	0.00	45.72	0	0	0
Unit 5	4.07	67.42	182	148	185
Total	7.90	183.83			385
Uran					
All Units	11.35	162.12	507	440	460
Total	11.35	162.12			460
PENCH (MS)					
Pench (MS)	0.87	11.83	53	0	
Total	0.87	11.83			
Koyna					
Stage 1-2	6.16	51.70	590	45	600
Stage 4	8.75	42.98	838	0	250
Stage 3	2.95	22.24	240	0	240
Kovna 12&4 Total	14.91	94.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	17.86	116.92			1090
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.39	3.74	60	0	0
BHTGR/VEER	0.12	2.48	5	5	7
BHIRA T.R.	0.27	4.26	80	0	80
RNGR+BHTSA	0.34	5.33	14	14	10
BHANDARDRA	0.00	2.90	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.37	9.98	21	13	10
GHATGHAR	0.50	10.36	217	0	0
Total	1.99	39.47			107
Wind					
MalharPeth	0.46	2.88			
Vankuswadi	0.39	3.86			
ATIT	0.15	1.56			
Kale	0.22	1.47			
Satara	0.50	4.80			
Shirala	0.47	1.80			
K Mahankal	0.64	5.77			
Supa	0.05	0.70			
Vita	1.63	11.73			
Dondaicha	0.10	9.05			
Sakri	0.03	1.12			
Nandurbar	0.03	1.07			
Khandke	0.10	1.48			
Khaparale	0.04	0.86			
Total	4.81	48.17			
CPP					
JSW JAIGAD	29.05	450.79	1217	1161	1100
WARDHA	7.68	150.87	331	314	320
Adani	0.00	142.91	0	0	
Other CPPs	6.98	109.80			
Total	43.70	854.38			1420
Tata					
Trombay 4		0.00			0
Trombay 5	11.85	189.14	505	462	500
Trombay 6	8.11	122.95	502	155	500
Trombay 7A	2.74	46.68	126	94	120
Trombay 7B	1.58	26.82	69	60	60
Trombay 8	6.02	100.93	253	248	250
TATA Hydro	4.78	67.52	306	0	317
Total	35.09	554.05			1747
REL					
1&2	12.59	213.05	527	521	500
Total	12.59	213.05			500
Cent Sect					
Share					5668
Total					5668

MS PG CL	Thermal	100.84	1757.20			4185
	Thml+Gas	112.18	1919.31			4645
	Hydro	19.85	156.39			1197
	Total	132.03	2075.70			5842
State Total		229.09	3614.27			15177

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4518	332	500	5350	193	1827	4931	5049	-563	-486	11984	108	12092	2193	14285	49.97
2	4427	257	500	5184	144	1759	4807	4995	-439	-366	11767	96	11863	1994	13857	49.95
3	4404	212	501	5117	135	1813	4745	4862	-376	-231	11747	117	11864	1876	13740	49.99
4	4335	77	500	4912	137	1839	4701	4860	-329	-151	11647	125	11772	1795	13567	50.06
5	4375	202	495	5072	149	1819	4749	4883	-379	-148	11826	130	11956	1771	13727	49.90
6	4407	548	495	5450	151	1818	4793	5195	-425	-128	12539	160	12699	1834	14533	49.83
7	4357	922	500	5779	143	1831	4795	5351	-418	-284	12846	757	13603	1936	15539	49.99
8	4417	1379	507	6303	103	1835	4792	5051	-411	-330	12988	848	13836	2047	15883	49.97
9	4344	1462	493	6299	60	1829	4851	5038	-442	-368	12882	937	13819	2332	16151	49.84
10	4291	1357	450	6098	90	1823	5100	5548	-521	-484	13085	715	13800	2683	16483	49.95
11	4113	1773	440	6326	197	1826	5339	5631	-783	-715	13265	710	13975	2945	16920	49.76
12	4065	1666	440	6171	322	1834	5434	5706	-892	-730	13329	809	14138	2967	17105	49.80
13	4159	1426	448	6033	479	1843	5408	5474	-859	-720	13156	899	14055	2959	17014	49.85
14	4293	728	444	5465	446	1838	5630	5836	-811	-666	12967	780	13747	2875	16622	49.80
15	4390	727	445	5562	377	1844	5863	5952	-862	-736	13047	716	13763	2939	16702	49.86
16	4235	734	452	5421	258	1847	6045	6211	-865	-754	12996	743	13739	2964	16703	49.81
17	4213	607	458	5278	207	1835	5999	6161	-848	-727	12754	742	13496	2905	16401	49.78
18	4077	371	451	4899	144	1831	5759	5919	-753	-682	12121	573	12694	2890	15584	49.92
19	4098	1307	461	5866	118	1834	5954	6116	-580	-663	13321	156	13477	2922	16399	49.90
20	4058	1535	466	6059	167	1809	6167	6111	-636	-636	13560	106	13666	2907	16573	49.90
21	4027	732	472	5231	183	1790	6189	6375	-646	-539	13087	105	13192	2753	15945	49.88
22	3841	311	476	4628	175	1789	6131	6430	-651	-534	12534	97	12631	2576	15207	49.93
23	3691	463	478	4632	198	1794	5932	6204	-672	-620	12255	91	12346	2497	14843	49.90
24	3700	722	477	4899	231	1794	5421	5744	-652	-556	12160	81	12241	2373	14614	49.95
MUs	100.84	19.85	11.35	132.03	4.81	43.70	129.54	134.70	-14.81	-12.25	303.86	10.60	314.46	59.93	374.40	49.90

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 17/Oct/2012

Position as on 6.30 Hrs of 18/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.	20/10/2012
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.	31/12/2012
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.	
Dabhol 1X	290	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Koyna Unit 11	80	13/10/2012	07.30		Continued.	Rotor Inspection	16/10/2012
Koyna ST - IV 4	250	15/10/2012	11.00		Continued.	Heavy Oil Leakage from Spherical Valve for 7 Days.	
Chandrapur Unit 5	500	15/10/2012	20.21		Continued.	Boiler Tube Leakage.	18/10/2012
Nasik Unit 4	210	16/10/2012	18.34		Continued.	BLR T/L.	
CPP WPCL U-2	135	17/10/2012	00.23		Continued.	Bottom ash problem.	
Paras Unit 4	250	17/10/2012	00.25	17/10/2012	23.51	Due to AVR problem.	
Koradi Unit 6	210	17/10/2012	09.29	17/10/2012	12.27	Furnace Pressure High.	
Khaparkheda Unit 5	500	17/10/2012	21.24		Continued.	Boiler feed pump tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Oct/2012

Position as on 6.30 Hrs of 18/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Warora - Deoli - I	16/10/2012	08.58	17/10/2012	19.25	Testing and SCADA commissioning work.
Warora - Tiroda - II	16/10/2012	09.12		Continued.	Scada commissioning and other 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.
Parli-Parli (PGCIL) I	08/10/2012	00.40		Continued.	Over Voltage.
765 KV Wardha - Seoni -I	13/10/2012	17.45		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/10/2012	16.44		Continued.	Over Voltage.
Wardha (PG) - Warora - I	17/10/2012	22.27		Continued.	H/T
Dhule-Sar'Sarovar - II	17/10/2012	23.35		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
Main Bus I at Warora	16/10/2012	09.12		Continued.	Scada commissioning and other work.
Parli - Lamboti	17/10/2012	09.53	17/10/2012	10.28	To take line reactor in service.
Karad-Jaigad I	17/10/2012	10.48	17/10/2012	16.19	For cleaning moss formation on insulator disc.
Parli-Lonikand -I	17/10/2012	15.01	17/10/2012	16.43	Taken on TBC for SF6 gas filling.
400/220 KV 500 MVA ICT-I @ Jejuri	18/10/2012	01.37		Continued.	Replacement of 220KV LV bushing of Y ph.
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.
Kalwa - Salshet - III	15/10/2012	09.11		Continued.	Replace Main Breaker,Taken on TBC,For 15 Days.
Khapakheda - Koulawada - II	17/10/2012	09.20	17/10/2012	13.51	Disc insulator replacement work.
220/132KV 100 MVA ICT-II at Dondaicha	17/10/2012	09.50	17/10/2012	17.30	Oil leakage attending work by cold welding.
220/132 KV 100 MVA ICT @ Parli - I	17/10/2012	10.12	17/10/2012	17.39	To attend oil leakage problem.
Main Bus-II at Lamboti	17/10/2012	12.00	17/10/2012	13.19	Attending hot spot.
Borivali - Bhandup (GIS)	17/10/2012	12.15	17/10/2012	16.15	Line shifted on TBC.Hot spot attending work.
Kalwa-Mulund II	17/10/2012	16.30	17/10/2012	18.16	Breaker testing work.
Lamboti - Pandharpur	17/10/2012	16.59	17/10/2012	18.41	Testing work.
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 - I	16/10/2012	17.18	17/10/2012	10.00	Over Voltage.
Bhusawal- Aurangabad	16/10/2012	21.44		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	16/10/2012	22.16		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Oct/2012

Position as on 6.30 Hrs of 18/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli - Solapur	17/10/2012	09.53	17/10/2012	10.28	To taken line reactor in service.
Karad - Kolhapur - II	17/10/2012	16.54		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Vita - Lamboti	17/10/2012	10.20	17/10/2012	13.00	To control under Voltage at Lamboti.
Dahanu-Ghodbandar-II	18/10/2012	03.51		Continued.	C.T.abnormal sound.
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	30/09/2012	19.40		Continued.	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.
Amalner - Chopda	17/10/2012	12.15	17/10/2012	12.56	Distance protection.
Chikhali - Dhad	17/10/2012	18.38	17/10/2012	18.48	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	60
	620	220
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	290
Parli		
Unit 3	210	160
Unit 4	210	150
Unit 5	210	0
Unit 6	250	168
Unit 7	250	167
	1130	645
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	0
Unit 6	500	300
Unit 7	500	240
	2340	1240
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	160
Unit 2	210	110
Unit 3	210	180
Unit 4	210	145
Unit 5	500	0
	1340	595
Nasik		
Unit 3	210	160
Unit 4	210	0
Unit 5	210	180
	630	340
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	167
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	320
Adani	660	
Other CPPs	0	
	1665	1420
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	5768
	3455	5768