



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Oct/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.660	862.810	1) Gujrat	11.118	96.743
2) Hydro	10.256	78.989	2) Madhya Pradesh	19.771	162.669
3) Gas	7.441	78.122	3) Chattisgarh	12.370	106.142
Total MSGENCO	121.357	1019.921	4) Maharashtra	57.086	497.385
B) 1) JSW JAIGAD	28.704	228.971	5) Goa	-5.421	-52.022
2) WPCL	7.437	78.740	6) TAPS 1&2 Injection	4.124	38.216
3) ADANI	8.180	85.980	7) RGPPL Injection	13.944	122.453
4) Other CPP / IPP	7.317	57.213	8) Pench (Excess)	-0.683	-6.036
5) Wind Generation	0.984	28.047	# Total Cent. Sector	112.309	965.550
6) PENCH (MS)	0.683	6.036	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.154	-106.204
1) TPCL Thermal	30.443	252.400	G) Bilateral Power *		
2) TPCL Hydro	4.327	35.133	1) MSEDCL Bilateral	46.915	376.453
TOTAL TPCL	34.770	287.533	Include PX	0.000	10.829
3) REL Thermal	12.510	112.533	2) MUMBAI Bilateral	13.075	121.743
D) STATE			Include PX	1.935	22.902
1) Thermal (A1+C1+C3)	146.613	1227.743	3) MUMBAI Schedule	13.075	121.743
2) Hydro (A2+B5+C2)	15.266	120.158	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.441	78.122	1) MSEDCL	275.817	2364.254
4) Wind (B4)	0.984	28.047	2) TPCL	39.282	339.926
5) CPP (B1+B2+B3)	51.638	373.104	3) REL	19.150	166.320
TOTAL STATE	221.942	1827.174	TOTAL STATE	334.249	2870.500

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4315	4473	4314
MSGENCO Hydro	707	951	83
MSGENCO Gas	311	309	315
MSGENCO Total Generation	5333	5733	4712
Central Sector Receipt	4910	4754	3963
WIND	13	85	12
CPP / IPP	2175	2193	2109
Exchange with Mumbai	-710	-614	-90
MSEDCL DEMAND MET	11761	12198	10756
Load Shedding	586	535	180
MSEDCL DEMAND	12347	12733	10936
TPCL GENERATION	1723	1721	1105
R-INFRA GENERATION	517	522	523
TPCL+R-INFRA DEMAND	2950	2857	1718
STATE DEMAND MET	14711	15055	12474
STATE DEMAND	15297	15590	12654
Frequency (Hz)	49.89	49.94	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 12.02 Hrs	49.4 Hz at 18.21 Hrs	49.89	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 09/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	3.38	24.72	157	117	150
Unit 7	0.00	6.85	0	0	0
Total	3.38	31.57			150
Bhusawal					
Unit 2	3.41	19.47	150	130	140
Unit 3	3.30	29.78	155	110	150
Unit 4	2.73	3.08	214	0	
Unit 5	0.00	0.00	0	0	
Total	9.45	52.33			290
Parli					
Unit 3	3.11	26.04	146	97	152
Unit 4	0.00	21.05	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	4.60	36.00	216	166	180
Unit 7	4.64	38.05	218	166	160
Total	12.34	121.13			492
Chandrapur					
Unit 1	3.63	27.26	156	142	160
Unit 2	3.70	25.93	162	140	160
Unit 3	4.52	28.01	200	166	190
Unit 4	0.00	21.83	0	0	0
Unit 5	9.26	68.08	420	345	350
Unit 6	9.23	76.17	455	275	450
Unit 7	8.85	65.77	403	341	400
Total	39.20	313.06			1710
Paras					
Unit 3	4.08	35.94	213	146	160
Unit 4	3.60	34.38	180	99	160
Total	7.68	70.32			320
Khaparkheda					
Unit 1	3.44	26.56	170	120	118
Unit 2	3.52	28.83	172	115	118
Unit 3	3.76	33.25	168	135	128
Unit 4	3.62	33.04	164	138	143
Unit 5	7.14	59.76	334	236	250
Total	21.49	181.44			757
Nasik					
Unit 3	4.07	37.56	195	140	172
Unit 4	2.10	20.66	171	0	152
Unit 5	3.95	34.74	194	136	162
Total	10.12	92.96			486
Uran					
All Units	7.44	78.12	315	301	300
Total	7.44	78.12			300
PENCH (MS)					
Pench (MS)	0.68	6.04	50	0	
Total	0.68	6.04			
Koyna					
Stage 1-2	3.68	24.79	455	40	600
Stage 4	3.01	19.19	742	0	250
Stage 3	1.22	10.60	270	0	320
Kovna 12&4 Total	6.69	43.98			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.90	54.58			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.12	2.73	55	0	60
BHTGR/VEER	0.11	1.51	5	4	7
BHIRA T.R.	0.20	2.36	66	0	80
RNGR+BHTSA	0.36	2.54	15	14	15
BHANDARDRA	0.00	2.86	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.66	6.34	33	25	15
GHATGHAR	0.91	5.87	213	0	0
Total	2.35	24.41			177
Wind					
MalharPeth	0.11	1.50			
Vankuswadi	0.15	2.00			
ATIT	0.00	1.25			
Kale	0.06	0.79			
Satara	0.01	3.52			
Shirala	0.04	0.87			
K Mahankal	0.11	1.55			
Supa	0.02	0.30			
Vita	0.06	6.40			
Dondaicha	0.26	7.05			
Sakri	0.05	0.71			
Nandurbar	0.03	0.82			
Khandke	0.06	0.69			
Khaparale	0.01	0.60			
Total	0.98	28.05			
CPP					
JSW JAIGAD	28.70	228.97	1209	1159	1100
WARDHA	7.44	78.74	316	290	310
Adani	8.18	85.98	370	250	
Other CPPs	7.32	57.21			
Total	51.64	450.90			1410
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.65	95.49	505	360	500
Trombay 6	8.52	65.10	503	155	500
Trombay 7A	2.69	24.64	125	94	120
Trombay 7B	1.55	14.12	69	59	60
Trombay 8	6.02	53.04	255	247	250
TATA Hydro	4.33	35.13	306	0	317
Total	34.77	287.53			1747
REL					
1&2	12.51	112.53	524	517	500
Total	12.51	112.53			500
Cent Sect					
Share					4997
Total					4997

MS PG CL	Thermal	103.66	862.81			4205
	Thml+Gas	111.10	940.93			4505
	Hydro	10.26	78.99			1347
	Total	121.36	1019.92			5852
State Total		221.94	1827.17			14506

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	4259	395	315	4969	13	2038	4293	4182	-406	-308	10944	136	11080	1981	13061	50.00
2	4252	103	315	4670	12	2089	4190	4141	-270	-168	10794	168	10962	1797	12759	49.88
3	4314	83	315	4712	12	2109	4131	3963	-182	-90	10756	180	10936	1718	12654	49.97
4	4343	83	315	4741	13	2134	4097	4010	-149	-90	10858	198	11056	1654	12710	49.83
5	4316	83	315	4714	13	2147	4200	4181	-250	-170	10935	228	11163	1654	12817	49.92
6	4393	129	309	4831	13	2151	4421	4181	-351	-254	10972	354	11326	1736	13062	49.71
7	4481	89	310	4880	14	2190	4308	4278	-319	-253	11132	727	11859	1861	13720	49.82
8	4460	104	312	4876	13	2146	4367	4525	-396	-294	11289	733	12022	2005	14027	49.80
9	4405	299	307	5011	12	2145	4442	4566	-476	-333	11401	723	12124	2292	14416	49.79
10	4418	557	313	5288	15	2138	4605	4855	-566	-430	11866	494	12360	2641	15001	49.95
11	4529	649	312	5490	16	2158	4971	4971	-786	-626	12009	397	12406	2862	15268	49.84
12	4315	707	311	5333	13	2175	5038	4910	-862	-710	11761	586	12347	2950	15297	49.89
13	4276	323	302	4901	17	2150	5050	5175	-814	-717	11550	709	12259	2940	15199	50.01
14	4117	159	306	4582	20	2176	5014	5279	-716	-673	11387	651	12038	2901	14939	49.94
15	4169	753	308	5230	18	2150	4914	5095	-743	-714	11779	558	12337	2941	15278	49.82
16	4144	1006	306	5456	70	2165	4852	4937	-728	-701	11927	485	12412	2930	15342	49.90
17	4119	920	307	5346	36	2174	4756	4859	-719	-712	11703	414	12117	2944	15061	49.86
18	4204	634	301	5139	83	2173	4682	4763	-679	-655	11503	410	11913	2895	14808	49.86
19	4350	1075	305	5730	67	2185	4818	4957	-714	-663	12309	364	12673	2909	15582	49.81
20	4473	951	309	5733	85	2193	4897	4754	-654	-614	12198	535	12733	2857	15590	49.94
21	4461	498	310	5269	109	2144	4835	4964	-583	-457	12076	502	12578	2673	15251	49.97
22	4368	106	312	4786	101	2173	4829	5126	-578	-488	11745	491	12236	2565	14801	50.04
23	4249	320	311	4880	108	2191	4714	4836	-592	-511	11553	207	11760	2402	14162	49.80
24	4244	230	315	4789	111	2144	4554	4801	-541	-523	11369	147	11516	2326	13842	49.92
MUs	103.66	10.26	7.44	121.36	0.98	51.64	110.98	112.31	-13.07	-11.15	275.82	10.40	286.21	58.43	344.65	49.89

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 09/Oct/2012

Position as on 6.30 Hrs of 10/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.	09/10/2012
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.Gen.T/F overhauling	20/11/2012
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13	10/10/2012	05.53	AOH.	
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.	
Dabhol 3A	230	23/09/2012	09.35		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.	
Koradi Unit 7	210	04/10/2012	09.36		Continued.	M.S.temp.low.	
Dabhol 1A	230	05/10/2012	15.00		Continued.	Gas Shortage.	
Parli Unit 4	210	07/10/2012	07.25		Continued.	Drum Level Low.	
CPP WPCL U-3	135	07/10/2012	08.03		Continued.	Turbine Inlet Steam Leakage.	
Uran Unit 8	108	07/10/2012	10.43		Continued.	Gas Shortage.	
Chandrapur Unit 4	210	08/10/2012	23.30		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 4	500	09/10/2012	12.57	09/10/2012	17.27	Low Drum Level.	
Nasik Unit 4	210	09/10/2012	13.50		Continued.	Air heater Tripped.	
Dabhol 1X	290	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Bhusawal Unit 2	210	10/10/2012	00.50	10/10/2012	02.58	Furnace Draft High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Oct/2012

Position as on 6.30 Hrs of 10/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	09/10/2012	22.18		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	06/10/2012	06.01	09/10/2012	09.17	Distance Protection
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	09/10/2012	23.43	10/10/2012	05.10	The problem of expansion vessel C2 by Replacement of V25 valve.
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 315MVA ICT-II @ Karad	04/10/2012	10.37		Continued.	Fire protection work.
400/220 KV 300 MVA ICT-I @ Koradi	05/10/2012	09.20		Continued.	Oil Filtration
Chandrapur - Parli - I	09/10/2012	09.48	09/10/2012	17.12	Taken on TBC,Repl.of damaged Seissor.
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.
Versova-Gorai	09/10/2012	09.03	09/10/2012	13.37	Annual Maintenance work.
Main Bus @ Peth	09/10/2012	10.18	09/10/2012	13.50	R.M.Work
Parli-Murud	09/10/2012	10.55	09/10/2012	14.58	Testing Work.
Main Bus-I at Koradi.	09/10/2012	11.03		Continued.	Repl.of old CT's by new CT's.
Miraj -Ichalkarajni	09/10/2012	11.05	09/10/2012	14.16	Isolator maintanance work.
Miraj - Mhaisal	09/10/2012	15.22	09/10/2012	17.46	Adjustment work of line side isolator.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bale - Nuldurg	09/10/2012	10.15	09/10/2012	17.17	Line maintanance 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.
Bhusawal- Aurangabad	30/09/2012	16.23		Continued.	Over Voltage.(Repl.of insulator.opp.outage on 27.09.2012)
Padgha - Nagothane - I	08/10/2012	23.35	09/10/2012	07.45	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Oct/2012

Position as on 6.30 Hrs of 10/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	09/10/2012	02.23	09/10/2012	08.38	Over Voltage.
Karad - Kolhapur - II	09/10/2012	22.00		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	10/10/2012	00.29		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		Continued.	To Relief Dhule ICT Loading.
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.
Karad - Kolhapur - II	30/09/2012	19.25	09/10/2012	09.50	On O/V Due to Heavy Lightining @ Karad.
Karad - Newkoyna - I	08/10/2012	04.05	09/10/2012	09.24	Over Voltage.(Trip from Karad end H/T New Koyna @ 05.24)
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	30/09/2012	19.40		Continued.	Distance Protection.
Parli Ext.-Nanded	08/10/2012	19.19		Continued.	R Ph.C T Burst.
Parli-Usmanabad	09/10/2012	05.00	09/10/2012	12.34	Dist.Protection
Pawas-Kharepatan	09/10/2012	12.15	09/10/2012	12.37	Dist.Protection.
Parly (Ext.) - Beed - II	10/10/2012	03.39	10/10/2012	04.42	Y-Ph CT Patoda II failed.
Beed-Patoda II	10/10/2012	03.39		Continued.	C.T.Failed.
Beed-Patoda I	10/10/2012	03.39	10/10/2012	04.45	C.T.Failed.
Parli(Ext.)-Beed I	10/10/2012	03.39	10/10/2012	04.40	Y-Ph CT Patoda II failed.
Voltage Level : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Got Fired.
Gangakhed - Kandhar	09/10/2012	04.40	09/10/2012	05.22	Trip.
Chalisgaon - Manmad	09/10/2012	21.36	09/10/2012	21.55	B-Ph CT Failed.
Manmad-Pimperkhed	09/10/2012	21.36		Continued.	B-Ph CT Failed.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	0
	620	150
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	130
Unit 4	210	0
Unit 5	210	0
Unit 6	250	155
Unit 7	250	160
	1130	445
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	0
Unit 5	500	400
Unit 6	500	425
Unit 7	500	400
	2340	1725
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	130
Unit 2	210	130
Unit 3	210	130
Unit 4	210	130
Unit 5	500	250
	1340	770
Nasik		
Unit 3	210	172
Unit 4	210	0
Unit 5	210	162
	630	334
Uran		
All Units	852	300
	852	300
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	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	170
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	310
Adani	660	
Other CPPs	0	
	1665	1410
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	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4840
	3455	4840