



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Oct/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.778	1656.364	1) Gujrat	15.020	188.852
2) Hydro	11.256	136.538	2) Madhya Pradesh	16.323	293.557
3) Gas	10.730	150.766	3) Chattisgarh	13.800	190.512
Total MSGENCO	132.764	1943.668	4) Maharashtra	76.374	902.671
B) 1) JSW JAIGAD	28.352	421.745	5) Goa	-7.009	-93.118
2) WPCL	9.623	143.199	6) TAPS 1&2 Injection	4.832	70.638
3) ADANI	2.970	142.910	7) RGPPL Injection	15.256	226.847
4) Other CPP / IPP	5.827	102.828	8) Pench (Excess)	-0.609	-10.961
5) Wind Generation	3.611	43.359	# Total Cent. Sector	133.987	1768.998
6) PENCH (MS)	0.609	10.961	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.210	-187.957
1) TPCL Thermal	29.606	456.216	G) Bilateral Power *		
2) TPCL Hydro	4.477	62.741	1) MSEDCL Bilateral	46.163	698.452
TOTAL TPCL	34.083	518.957	Include PX	1.032	17.691
3) REL Thermal	12.583	200.456	2) MUMBAI Bilateral	14.709	217.863
D) STATE			Include PX	3.211	37.739
1) Thermal (A1+C1+C3)	152.967	2313.036	3) MUMBAI Schedule	14.709	217.863
2) Hydro (A2+B5+C2)	16.342	210.240	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.730	150.766	1) MSEDCL	304.533	4389.711
4) Wind (B4)	3.611	43.359	2) TPCL	40.111	608.735
5) CPP (B1+B2+B3)	46.772	670.742	3) REL	19.763	298.598
TOTAL STATE	230.422	3388.143	TOTAL STATE	364.407	5297.044

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4735	4857	4374
MSGENCO Hydro	1177	430	81
MSGENCO Gas	382	451	487
MSGENCO Total Generation	6294	5738	4942
Central Sector Receipt	6169	6074	4465
WIND	129	166	164
CPP / IPP	1833	1921	2068
Exchange with Mumbai	-809	-876	-156
MSEDCL DEMAND MET	13616	13023	11533
Load Shedding	774	480	152
MSEDCL DEMAND	14390	13503	11685
TPCL GENERATION	1651	1557	1066
R-INFRA GENERATION	524	523	527
TPCL+R-INFRA DEMAND	2984	2956	1749
STATE DEMAND MET	16600	15979	13282
STATE DEMAND	17374	16459	13434
Frequency (Hz)	49.83	49.90	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 09.01 Hrs	49.43 Hz at 10.13 Hrs	49.95	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 16/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	3.16	46.46	146	98	120
Unit 7	3.31	26.88	155	120	130
Total	6.47	73.34			250
Bhusawal					
Unit 2	3.22	41.90	155	0	140
Unit 3	3.62	52.22	180	110	150
Unit 4	8.78	52.01	461	252	
Unit 5	0.00	0.00	0	0	
Total	15.62	146.13			290
Parli					
Unit 3	2.82	49.41	140	100	150
Unit 4	3.18	40.29	155	103	160
Unit 5	0.00	0.00	0	0	0
Unit 6	5.08	67.35	240	172	180
Unit 7	5.04	69.59	225	171	165
Total	16.13	226.64			655
Chandrapur					
Unit 1	3.57	52.12	156	125	160
Unit 2	3.63	51.18	160	137	150
Unit 3	4.56	58.97	196	172	200
Unit 4	4.52	44.45	197	160	190
Unit 5	0.00	117.64	0	0	0
Unit 6	9.65	138.02	435	350	425
Unit 7	8.88	123.86	405	330	375
Total	34.81	586.23			1500
Paras					
Unit 3	4.33	68.31	198	165	180
Unit 4	2.13	56.05	175	0	100
Total	6.46	124.36			280
Khaparkheda					
Unit 1	3.46	50.28	175	120	150
Unit 2	1.91	49.72	110	60	105
Unit 3	4.07	59.11	182	152	160
Unit 4	4.23	58.87	183	163	160
Unit 5	6.21	105.76	317	199	220
Total	19.88	323.74			795
Nasik					
Unit 3	4.09	66.84	185	155	180
Unit 4	3.13	45.72	182	0	180
Unit 5	4.18	63.35	185	161	180
Total	11.41	175.92			540
Uran					
All Units	10.73	150.77	488	340	450
Total	10.73	150.77			450
PENCH (MS)					
Pench (MS)	0.61	10.96	51	0	
Total	0.61	10.96			
Koyna					
Stage 1-2	4.08	45.54	490	40	600
Stage 4	3.55	34.23	550	0	250
Stage 3	1.71	19.29	156	0	240
Kovna 12&4 Total	7.62	79.77			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.33	99.06			1090
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.00	3.35	0	0	40
BHTGR/VEER	0.12	2.36	5	4	7
BHIRA T.R.	0.20	3.99	60	0	80
RNGR+BHTSA	0.33	4.99	14	13	0
BHANDARDRA	0.00	2.90	0	0	
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.36	9.60	21	12	20
GHATGHAR	0.91	9.86	250	0	0
Total	1.92	37.48			147
Wind					
MalharPeth	0.16	2.43			
Vankuswadi	0.33	3.47			
ATIT	0.03	1.40			
Kale	0.10	1.26			
Satara	0.09	4.30			
Shirala	0.11	1.33			
K Mahankal	1.31	5.14			
Supa	0.03	0.65			
Vita	1.30	10.10			
Dondaicha	0.04	8.95			
Sakri	0.01	1.09			
Nandurbar	0.00	1.04			
Khandke	0.07	1.38			
Khaparale	0.03	0.82			
Total	3.61	43.36			
CPP					
JSW JAIGAD	28.35	421.74	1212	1047	1100
WARDHA	9.62	143.20	424	371	420
Adani	2.97	142.91	400	0	
Other CPPs	5.83	102.83			
Total	46.77	810.68			1520
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.77	177.29	502	416	500
Trombay 6	7.58	114.85	493	157	500
Trombay 7A	2.67	43.93	124	70	120
Trombay 7B	1.56	25.24	69	54	60
Trombay 8	6.03	94.91	253	247	250
TATA Hydro	4.48	62.74	306	0	317
Total	34.08	518.96			1747
REL					
1&2	12.58	200.46	527	521	500
Total	12.58	200.46			500
Cent Sect					
Share					5533
Total					5533

MS PG CL	Thermal	110.78	1656.36			4310
	Thml+Gas	121.51	1807.13			4760
	Hydro	11.26	136.54			1237
	Total	132.76	1943.67			5997
State Total		230.42	3388.14			15297

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4368	334	488	5190	216	2143	4881	4668	-652	-466	11802	75	11877	2168	14045	49.95
2	4274	69	487	4830	237	2179	4793	4555	-370	-332	11519	143	11662	1945	13607	50.05
3	4283	70	487	4840	215	2115	4651	4572	-370	-208	11584	149	11733	1820	13553	50.01
4	4374	81	487	4942	164	2068	4642	4465	-370	-156	11533	152	11685	1749	13434	49.98
5	4386	76	488	4950	107	2034	4764	4830	-370	-182	11789	155	11944	1724	13668	50.04
6	4402	146	485	5033	85	2051	4906	5324	-370	-200	12344	209	12553	1798	14351	49.97
7	4583	196	425	5204	62	2072	4868	5549	-371	-274	12630	734	13364	1897	15261	49.98
8	4729	313	385	5427	34	1984	4838	5802	-398	-362	12885	848	13733	2008	15741	49.87
9	4833	591	340	5764	30	1858	5282	5775	-404	-349	13078	868	13946	2296	16242	49.84
10	4881	776	341	5998	43	1816	5717	5784	-440	-508	13133	715	13848	2663	16511	49.98
11	4747	1146	360	6253	72	1832	5992	5984	-569	-732	13409	609	14018	2922	16940	49.80
12	4735	1177	382	6294	129	1833	6088	6169	-617	-809	13616	774	14390	2984	17374	49.83
13	4787	799	450	6036	213	1835	6055	6141	-659	-790	13435	864	14299	2962	17261	49.89
14	4753	579	456	5788	236	1846	5957	6039	-835	-761	13148	733	13881	2903	16784	49.92
15	4825	624	455	5904	220	1876	5919	6226	-902	-846	13380	630	14010	2971	16981	49.89
16	4879	768	450	6097	192	1894	5990	6116	-1007	-887	13412	528	13940	2977	16917	49.86
17	4857	430	451	5738	166	1921	6080	6074	-1016	-876	13023	480	13503	2956	16459	49.90
18	4639	419	459	5517	136	1926	5487	5568	-887	-746	12404	391	12795	2899	15694	49.95
19	4516	923	463	5902	123	1901	5755	5895	-766	-683	13173	6	13179	2916	16095	49.95
20	4569	977	473	6019	151	1910	5809	5993	-736	-677	13446	8	13454	2925	16379	49.99
21	4634	433	475	5542	165	1926	5725	5840	-625	-573	12950	8	12958	2800	15758	49.98
22	4520	150	473	5143	178	1923	5704	5728	-644	-538	12484	11	12495	2642	15137	50.03
23	4578	77	484	5139	220	1912	5989	5533	-678	-631	12224	5	12229	2541	14770	50.06
24	4628	102	486	5216	217	1917	5229	5359	-656	-624	12136	0	12136	2410	14546	50.08
MUs	110.78	11.26	10.73	132.77	3.61	46.77	131.12	133.99	-14.71	-13.21	304.54	9.10	313.63	59.88	373.51	49.95

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 16/Oct/2012

Position as on 6.30 Hrs of 17/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
Paras Unit 4	250	16/10/2012	00.35	16/10/2012	05.58	Genrator Protection.	
Bhusawal Unit 2	210	16/10/2012	16.44	16/10/2012	18.08	Flame Failure.	
Paras Unit 4	250	16/10/2012	17.34	16/10/2012	22.25	Generator Protection.	
Nasik Unit 4	210	16/10/2012	18.34		Continued.	BLR T/L.	
Paras Unit 4	250	17/10/2012	00.25		Continued.	Due to AVR problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Oct/2012

Position as on 6.30 Hrs of 17/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 - 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.
Akola - Wardha - II	14/10/2012	21.48		Continued.	Over Voltage.
Kolhapur - Mapusa - II	15/10/2012	13.56	16/10/2012	11.00	Over Voltage.
Kolhapur - Mapusa - I	16/10/2012	16.44		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	16/10/2012	12.30	16/10/2012	13.00	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
Main Bus I at Warora	16/10/2012	09.12		Continued.	Scada commissioning and other work.
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.
Main Bus II at Goregaon	16/10/2012	10.30	16/10/2012	15.34	Annual maint.work.
Satara,MIDC-Wankuswadi 2	16/10/2012	10.45	16/10/2012	18.45	For erection and jumpering work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 Interconnector - II @ Bhusawal	16/10/2012	11.30	16/10/2012	13.56	Y-Ph CT oil leakage.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
B Bus at Bapgaon	16/10/2012	13.36	16/10/2012	13.37	Charge first time and kept on no load.
A Bus at Bapgaon	16/10/2012	13.45	16/10/2012	13.46	Charge first time and kept on no load.
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	14/10/2012	21.48	16/10/2012	09.52	Over Voltage.
Aurangabad-Deepnagar-II	15/10/2012	13.41	16/10/2012	22.16	Over Voltage.
Karad - Kolhapur - I	16/10/2012	17.18		Continued.	Over Voltage.
Bhusawal- Aurangabad	16/10/2012	21.44		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	16/10/2012	22.16		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Apta-Uran-IV	16/10/2012	08.03	16/10/2012	11.32	For Mockdrill.
220/132 KV 200 MVA ICT	16/10/2012	09.11	16/10/2012	11.52	In View of 132 KV Bus Outage at 220

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Oct/2012

Position as on 6.30 Hrs of 17/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
- I @ Nanded					KV Nanded.
220/132 KV 200 MVA ICT - II @ Nanded	16/10/2012	09.13	16/10/2012	11.54	In View of 132 KV Bus Outage at 220 KV Nanded.
220/132KV,200MVA ICT-III At Nanded.	16/10/2012	09.15	16/10/2012	12.05	In View of 132 KV Bus Outage at 220 KV Nanded.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Nanded - Kandhar	16/10/2012	09.02	16/10/2012	12.49	In View of 132 KV Bus Outage at 220 KV Nanded.
Waghala- Jangamwadi	16/10/2012	09.04	16/10/2012	12.02	In View of 132 KV Bus Outage at 220 KV Nanded.
Nanded - Umri	16/10/2012	09.06	16/10/2012	11.59	In View of 132 KV Bus Outage at 220 KV Nanded.
Nanded - Narsi	16/10/2012	09.08	16/10/2012	12.00	In View of 132 KV Bus Outage at 220 KV Nanded.
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.
Kolhapur-Sawantwadi	16/10/2012	13.00	16/10/2012	21.16	Distance Protection.
220/33 KV 50 MVA T/F - I @ Miraj	16/10/2012	16.40	16/10/2012	17.33	Non Fatal accident.
220/33 KV T/F II AT Miraj	16/10/2012	16.40	16/10/2012	20.05	Non fatal accident.
Karkumbh-Jeur	16/10/2012	18.15	16/10/2012	22.53	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.
Pusad - Digras	16/10/2012	08.56	16/10/2012	08.59	Y-Ph E/F Back up Prot operated.
Voltage Level : 100KV			Outage Type TRIPPED		
Padgha - Bhivandi	16/10/2012	08.44	16/10/2012	09.02	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	140
	620	270
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	290
Parli		
Unit 3	210	140
Unit 4	210	160
Unit 5	210	0
Unit 6	250	180
Unit 7	250	160
	1130	640
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
Unit 6	500	400
Unit 7	500	370
	2340	1470
Paras		
Unit 3	250	210
Unit 4	250	0
	500	210
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	0
Unit 5	210	185
	630	385
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	0
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	107
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	5668
	3455	5668