



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Oct/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.730	1957.285	1) Gujrat	11.868	231.839
2) Hydro	14.851	193.101	2) Madhya Pradesh	19.156	352.430
3) Gas	10.012	182.396	3) Chattisgarh	13.440	231.532
Total MSGENCO	126.593	2332.782	4) Maharashtra	70.096	1118.414
B) 1) JSW JAIGAD	29.114	508.818	5) Goa	-6.336	-112.923
2) WPCL	7.474	166.007	6) TAPS 1&2 Injection	5.069	85.040
3) ADANI	8.300	151.210	7) RGPPL Injection	15.334	273.276
4) Other CPP / IPP	8.332	124.533	8) Pench (Excess)	-0.969	-13.747
5) Wind Generation	7.629	62.362	# Total Cent. Sector	127.658	2165.861
6) PENCH (MS)	0.969	13.747	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.111	-226.328
1) TPCL Thermal	29.281	545.222	G) Bilateral Power *		
2) TPCL Hydro	4.428	76.694	1) MSEDCL Bilateral	47.673	837.372
TOTAL TPCL	33.709	621.916	Include PX	4.055	27.181
3) REL Thermal	12.611	238.262	2) MUMBAI Bilateral	15.658	263.303
D) STATE			Include PX	4.259	49.986
1) Thermal (A1+C1+C3)	143.622	2740.769	3) MUMBAI Schedule	15.658	263.303
2) Hydro (A2+B5+C2)	20.248	283.542	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.012	182.396	1) MSEDCL	302.958	5298.992
4) Wind (B4)	7.629	62.362	2) TPCL	39.637	728.332
5) CPP (B1+B2+B3)	53.220	807.658	3) REL	19.794	358.147
TOTAL STATE	234.731	4076.727	TOTAL STATE	362.389	6385.471

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4264	4183	4224
MSGENCO Hydro	1200	991	105
MSGENCO Gas	406	455	387
MSGENCO Total Generation	5870	5629	4716
Central Sector Receipt	5484	5629	5047
WIND	440	254	328
CPP / IPP	2267	2121	2023
Exchange with Mumbai	-773	-751	-281
MSEDCL DEMAND MET	13338	12935	11853
Load Shedding	967	217	39
MSEDCL DEMAND	14305	13152	11892
TPCL GENERATION	1665	1670	1023
R-INFRA GENERATION	526	524	526
TPCL+R-INFRA DEMAND	2964	2945	1830
STATE DEMAND MET	16302	15880	13683
STATE DEMAND	17269	16097	13722
Frequency (Hz)	49.85	49.94	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 06:19 Hrs	49.5 Hz at 12:47 Hrs	49.96	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 19/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	3.24	55.74	147	125	120
Unit 7	3.25	35.98	150	100	125
Total	6.49	91.72			245
Bhusawal					
Unit 2	2.11	50.78	150	0	140
Unit 3	3.32	62.00	165	115	150
Unit 4	4.84	70.18	267	139	0
Unit 5	0.00	0.00	0	0	0
Total	10.27	182.96			290
Parli					
Unit 3	3.16	59.44	158	112	142
Unit 4	3.30	49.60	152	126	160
Unit 5	0.00	0.00	0	0	0
Unit 6	4.36	81.10	198	150	170
Unit 7	4.01	82.23	190	152	160
Total	14.83	272.37			632
Chandrapur					
Unit 1	3.59	62.81	153	144	150
Unit 2	3.64	62.18	159	127	160
Unit 3	4.44	72.79	203	150	200
Unit 4	4.32	57.84	195	155	200
Unit 5	0.00	117.64	0	0	0
Unit 6	10.48	165.97	490	350	400
Unit 7	9.32	148.50	432	292	400
Total	35.80	687.74			1510
Paras					
Unit 3	4.91	82.44	229	186	190
Unit 4	5.34	66.12	252	193	220
Total	10.25	148.56			410
Khaparkheda					
Unit 1	3.64	60.73	175	125	150
Unit 2	2.40	56.94	152	0	150
Unit 3	4.20	72.33	190	162	170
Unit 4	4.10	71.10	208	152	170
Unit 5	0.00	111.12	0	0	0
Total	14.34	372.21			640
Nasik					
Unit 3	4.40	79.10	200	150	180
Unit 4	0.87	46.60	175	0	0
Unit 5	4.48	76.02	210	170	180
Total	9.75	201.71			360
Uran					
All Units	10.01	182.40	459	377	390
Total	10.01	182.40			390
PENCH (MS)					
Pench (MS)	0.97	13.75	54	0	0
Total	0.97	13.75			0
Koyna					
Stage 1-2	4.16	62.99	440	40	600
Stage 4	6.71	59.25	577	0	250
Stage 3	2.28	28.27	296	0	240
Kovna 12&4 Total	10.87	122.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.15	150.50			1090
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.11	4.19	56	0	60
BHTGR/VEER	0.12	2.71	5	4	5
BHIRA T.R.	0.28	4.82	81	0	80
RNGR+BHTSA	0.30	5.94	15	0	14
BHANDARDRA	0.40	3.30	17	16	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.38	10.72	22	13	8
GHATGHAR	0.13	10.49	73	0	0
Total	1.70	42.60			167
Wind					
MalharPeth	0.49	3.76			
Vankuswadi	0.97	5.61			
ATIT	0.12	1.76			
Kale	0.35	2.16			
Satara	2.75	9.94			
Shirala	0.30	2.38			
K Mahankal	0.06	5.92			
Supa	0.13	0.91			
Vita	1.63	15.23			
Dondaicha	0.24	9.30			
Sakri	0.02	1.15			
Nandurbar	0.02	1.09			
Khandke	0.44	2.16			
Khaparale	0.11	0.98			
Total	7.63	62.36			
CPP					
JSW JAIGAD	29.11	508.82	1216	1210	1100
WARDHA	7.47	166.01	324	208	320
Adani	8.30	151.21	470	0	
Other CPPs	8.33	124.53			
Total	53.22	950.57			1420
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.99	213.08	504	496	500
Trombay 6	8.47	139.26	501	155	500
Trombay 7A	2.89	51.92	125	113	120
Trombay 7B	1.63	29.92	69	65	60
Trombay 8	4.30	111.04	183	173	185
TATA Hydro	4.43	76.69	306	0	318
Total	33.71	621.92			1683
REL					
1&2	12.61	238.26	528	523	500
Total	12.61	238.26			500
Cent Sect					
Share					5632
Total					5632

MS PG CL	Thermal	101.73	1957.28			4087
	Thml+Gas	111.74	2139.68			4477
	Hydro	14.85	193.10			1257
	Total	126.59	2332.78			5734
State Total		234.73	4076.73			14969

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	4223	308	388	4919	391	1893	5144	5343	-567	-449	12147	9	12156	2145	14301	49.91
2	4214	200	388	4802	347	1938	5037	5255	-447	-350	12042	39	12081	1947	14028	50.06
3	4224	105	387	4716	328	2023	5009	5047	-404	-281	11853	39	11892	1830	13722	50.08
4	4234	100	384	4718	282	2141	5077	5074	-370	-211	12024	39	12063	1759	13822	50.04
5	4213	95	377	4685	264	2228	4988	5390	-347	-180	12437	41	12478	1734	14212	49.94
6	4259	535	413	5207	221	2250	4951	5302	-351	-260	12773	33	12806	1815	14621	50.05
7	4405	739	414	5558	206	2298	5011	5159	-390	-301	12970	787	13757	1901	15658	50.11
8	4488	727	414	5629	188	2262	5048	5334	-423	-338	13109	879	13988	2011	15999	50.11
9	4455	776	415	5646	170	2254	5066	5370	-454	-377	13063	915	13978	2284	16262	50.06
10	4477	879	415	5771	202	2261	5181	5349	-559	-479	13104	874	13978	2646	16624	49.94
11	4373	1184	407	5964	366	2256	5347	5488	-801	-697	13397	861	14258	2889	17147	49.79
12	4264	1200	406	5870	440	2267	5363	5484	-910	-773	13338	967	14305	2964	17269	49.85
13	4158	895	400	5453	409	2263	5361	5418	-907	-768	12822	1074	13896	2959	16855	49.85
14	4104	845	400	5349	380	2279	5321	5414	-875	-728	12744	936	13680	2897	16577	49.83
15	4107	982	402	5491	309	2292	5358	5357	-917	-782	12717	825	13542	2952	16494	49.75
16	4063	1213	402	5678	256	2338	5363	5325	-923	-782	12865	825	13690	2958	16648	49.86
17	4107	746	417	5270	242	2245	5351	5332	-908	-764	12350	786	13136	2948	16084	49.91
18	4120	331	448	4899	223	2230	5262	5412	-783	-692	12125	520	12645	2887	15532	50.02
19	4183	991	455	5629	254	2121	5590	5629	-812	-751	12935	217	13152	2945	16097	49.94
20	4264	1185	455	5904	303	2215	5576	5275	-689	-729	13022	56	13078	2929	16007	49.97
21	4220	352	456	5028	353	2229	5602	5599	-698	-565	12694	27	12721	2745	15466	49.93
22	4228	122	459	4809	444	2357	5566	5124	-700	-511	12270	26	12296	2552	14848	50.07
23	4175	98	455	4728	499	2340	5277	5226	-714	-644	12196	24	12220	2409	14629	50.02
24	4172	243	455	4870	552	2240	4871	4952	-709	-699	11961	13	11974	2325	14299	49.95
MUs	101.73	14.85	10.01	126.59	7.63	53.22	125.72	127.66	-15.66	-13.11	302.96	10.81	313.77	59.43	373.20	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 19/Oct/2012

Position as on 6.30 Hrs of 20/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	20/10/2012
Koyna ST - IV 4	250	15/10/2012	11.00	19/10/2012	21.30	Heavy Oil Leakage from Spherical Valve for 7 Days.	
Chandrapur Unit 5	500	15/10/2012	20.21		Continued.	Boiler Tube Leakage.	20/10/2012
Nasik Unit 4	210	16/10/2012	18.34	19/10/2012	16.10	BLR T/L.	
CPP WPCL U-2	135	17/10/2012	00.23		Continued.	Bottom ash problem.	
Khaparkheda Unit 5	500	17/10/2012	21.24		Continued.	Boiler feed pump tripped.	
CPP WPCL U-1	135	19/10/2012	17.36	19/10/2012	18.32	Flame Failure	
Khaparkheda Unit 2	210	19/10/2012	19.33	19/10/2012	23.52	Furnace pressure High	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Cent_Sect NTPC(V-8)	500	19/10/2012	22.57	20/10/2012	01.06	Flame Failure	
Khaparkheda Unit 2	210	20/10/2012	00.12	20/10/2012	01.27	Furnace pressure High	
Khaparkheda Unit 2	210	20/10/2012	01.51	20/10/2012	05.54	Furnace pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Oct/2012

Position as on 6.30 Hrs of 20/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	19/10/2012	12.24	19/10/2012	15.14	Hot Spot
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 - I	16/10/2012	16.44		Continued.	Over Voltage.
Dhule-S'Sarovar I	19/10/2012	23.50		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
400/220KV 315 MVA ICT-II @ Padgha	19/10/2012	08.32	19/10/2012	08.44	LV side,To shift on Bus-2
Karad-Jaigad II	19/10/2012	10.31	19/10/2012	14.54	Cleaning Moss formation on Insulator
400/220KV,500 MVA ICT-III at Nagothane.	19/10/2012	10.48	19/10/2012	20.05	High Voltage Insulator Coating
Bableshevar-Aurangabad	19/10/2012	15.44	19/10/2012	17.44	Breaker Pressure switch Problem(Taken on TBC)
HVDC AC Bay - I at Chandrapur	19/10/2012	15.51		Continued.	Hot Spot,taken on TBC due to PDR problem in Main Breaker
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.
Baramati-Kurkumb	18/10/2012	09.20	19/10/2012	18.45	Replacement of line side isolator.
220/132 KV 200 MVA ICT - II @ Malegaon	19/10/2012	08.37	19/10/2012	18.34	Replacement of Blade & Jaw of Bus Isolator
220/100KV 200MVA ICT-III at Kalwa	19/10/2012	08.49		Continued.	Air Cell of Conservator Tank
Ambazari-Amravati	19/10/2012	08.53	19/10/2012	18.56	Replacement of Disc Insulator
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthing work
Ghatghar-Bapgaon	19/10/2012	09.20	19/10/2012	17.48	Hot Spot
220/132KV,200MVA ICT at Ambazari	19/10/2012	09.32	19/10/2012	18.31	Measurement of Tan Delta
Ghatghar-Nasik	19/10/2012	09.34	19/10/2012	18.20	Replacement of Insulator
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthing work
Main Bus-II at Padgha	19/10/2012	10.25	19/10/2012	18.41	Jumper work of 220KV side related to ICT-4
Kamba - Kolshet	19/10/2012	10.28	19/10/2012	18.04	Bus Isolator Work
Kharghar - Mahape	19/10/2012	21.40	19/10/2012	21.41	Temporary charged for Mumbai Strengthing work(upto 14/11/12)
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	16/10/2012	21.44	19/10/2012	09.59	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Oct/2012

Position as on 6.30 Hrs of 20/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Deepnagar-Aurangabad-I	16/10/2012	22.16	19/10/2012	10.26	Over Voltage.
Karad - Kolhapur - II	18/10/2012	17.24	19/10/2012	10.21	Over Voltage.
Bhusawal- Aurangabad	19/10/2012	15.20		Continued.	Over Voltage
Aurangabad-Deepnagar-II	19/10/2012	15.26		Continued.	Over Voltage
Karad - Kolhapur - I	19/10/2012	16.12		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Dahanu-Ghodbandar-II	18/10/2012	03.51	19/10/2012	07.35	C.T.abnormal sound.
Khaparkheda New - Khaparkheda Old - II	19/10/2012	10.35	19/10/2012	19.12	To control 400KV Bhilai-Koradi Import
Khaparkheda New - Khaparkheda Old - I	19/10/2012	10.35	19/10/2012	19.10	To control 400KV Bhilai-Koradi Import
Bhenda-Waluj	19/10/2012	11.27	19/10/2012	15.22	Akola-Aurangabad-I outage
Aurangabad - Bhenda	19/10/2012	11.27	19/10/2012	15.22	400KV Akola-A'Bad-I outage
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 : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.
Hingoli-Hingoli II	19/10/2012	03.03	19/10/2012	03.30	Distance Protection
Padegaon - Paithan	19/10/2012	15.20	19/10/2012	22.58	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	165
	620	315
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	150
Unit 4	210	150
Unit 5	210	0
Unit 6	250	200
Unit 7	250	160
	1130	660
Chandrapur		
Unit 1	210	160
Unit 2	210	155
Unit 3	210	205
Unit 4	210	200
Unit 5	500	0
Unit 6	500	425
Unit 7	500	375
	2340	1520
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	200
Unit 2	210	0
Unit 3	210	200
Unit 4	210	170
Unit 5	500	0
	1340	570
Nasik		
Unit 3	210	180
Unit 4	210	140
Unit 5	210	180
	630	500
Uran		
All Units	852	450
	852	450
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	56
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	17
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	181
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	185
TATA Hydro	444	318
	2024	1683
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5249
	3455	5249