



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Oct/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.750	1724.141	1) Gujrat	12.261	288.194
2) Hydro	12.571	452.784	2) Madhya Pradesh	21.820	399.414
3) Gas	11.095	289.839	3) Chattisgarh	13.240	228.320
Total MSGENCO	120.416	2466.764	4) Maharashtra	45.833	822.368
B) OTHERS			5) Goa	-6.588	-120.222
1) JSW JAIGAD	25.995	400.778	6) TAPS 1&2 Injection	7.817	138.591
2) WPCL	10.349	186.985	7) RGPPL Injection	33.067	100.129
3) Other CPP / IPP	6.028	93.168	8) Pench (Excess)	-0.539	-11.082
4) Wind Generation	0.782	47.010	# Total Cent. Sector	126.911	1845.712
5) PENCH (MS)	0.539	11.875	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.202	-198.614
1) TPCL Thermal	30.509	596.348	G) Bilateral Power *		
2) TPCL Hydro	3.703	74.415	1) MSEDCL Bilateral	32.015	609.307
TOTAL TPCL	34.212	670.763	Include PX	0.000	175.412
3) REL Thermal	12.561	250.161	2) MUMBAI Bilateral	13.220	238.328
D) STATE			Include PX	0.000	18.626
1) Thermal (A1+C1+C3)	139.820	2570.650	3) MUMBAI Schedule	13.220	239.353
2) Hydro (A2+B5+C2)	16.813	539.074	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.095	289.839	1) MSEDCL	277.818	5436.615
4) Wind (B4)	0.782	47.010	2) TPCL	40.113	745.790
5) CPP (B1+B2+B3)	42.372	680.931	3) REL	19.866	374.204
TOTAL STATE	210.882	4127.504	TOTAL STATE	337.797	6556.609

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	3911	3949	4263
MSGENCO Hydro	830	1193	65
MSGENCO Gas	450	464	470
MSGENCO Total Generation	5191	5606	4798
Central Sector Receipt	5736	5674	4731
WIND	18	19	65
CPP / IPP	1768	1793	1792
Exchange with Mumbai	-818	-689	-219
MSEDCL DEMAND MET	11895	12453	11168
Load Shedding (LS)	1640	873	374
MSEDCL DEMAND (INCL. LS)	13535	13326	11542
TPCL GENERATION	1650	1684	1094
REL GENERATION	522	522	523
TPCL+REL DEMAND	2990	2895	1836
STATE DEMAND MET	14885	15348	13004
Load Management (LM)	1754	2813	1328
Total Load Relief (LS+LM)	3394	3686	1702
UNRESTRICTED STATE DEMAND	18279	19034	14706
Frequency (Hz)	49.62	49.77	49.59

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 16.03 Hrs	49.01 Hz at 12.38 Hrs	49.67	.83 % 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 20/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.50	65.66	156	123	140
Unit 6	3.53	54.47	164	130	155
Unit 7	0.00	22.85	0	0	0
Total	7.04	142.97			295
Bhusawal					
Unit 2	0.00	0.74	0	0	0
Unit 3	3.08	70.44	140	120	130
Unit 4	0.00	3.62	0	0	
Total	3.08	74.81			130
Parli					
Unit 3	3.07	62.50	148	109	130
Unit 4	3.34	11.32	158	106	120
Unit 5	2.95	57.93	146	103	130
Unit 6	3.36	77.09	169	95	150
Unit 7	2.55	2.89	188	0	0
Total	15.28	211.73			530
Chandrapur					
Unit 1	3.85	76.30	165	155	160
Unit 2	3.49	63.66	151	136	140
Unit 3	4.38	82.70	190	172	190
Unit 4	4.76	21.99	203	188	190
Unit 5	6.94	154.34	400	225	400
Unit 6	6.46	151.56	335	215	350
Unit 7	7.41	161.45	372	265	350
Total	37.29	711.99			1780
Paras					
Unit 3	3.10	58.90	145	112	120
Unit 4	3.00	37.35	149	67	120
Total	6.11	96.25			240
Khaparkheda					
Unit 1	4.68	72.82	205	165	180
Unit 2	1.62	55.39	190	0	180
Unit 3	4.92	78.10	223	182	180
Unit 4	5.03	80.20	220	182	180
Unit 5	2.94	31.88	217	68	
Total	19.20	318.39			720
Nasik					
Unit 3	3.31	60.19	170	80	135
Unit 4	2.71	50.94	137	72	126
Unit 5	2.74	56.88	144	73	126
Total	8.76	168.01			387
Uran					
All Units	11.10	289.84	471	445	460
Total	11.10	289.84			460
PENCH (MS)					
Pench (MS)	0.54	11.88	50	0	
Total	0.54	11.88			
Koyna					
Stage 1-2	4.72	131.10	475	50	600
Stage 4	4.51	209.42	612	0	250
Stage 3	1.94	73.62	262	0	320
Total	11.17	414.14			1170
Kovna 12&4 Total	9.23	340.52			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	0.89	0	0	0
TILLARI	0.43	8.12	60	0	60
BHTGR/VEER	0.03	2.00	2	1	0
BHIRA T.R.	0.26	6.00	41	0	40
RNGR+BHTSA	0.34	6.38	16	12	15
BHANDARDRA	0.00	2.20	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.13	8.70	14	2	12
GHATGHAR	0.22	2.95	125	0	0
Total	1.40	38.64			127
Wind					
MalharPeth	0.03	2.69			
Vankuswadi	0.13	5.36			
ATIT	0.01	0.77			
Kale	0.04	1.68			
Satara	0.04	5.95			
Shirala	0.05	1.88			
K Mahankal	0.15	2.66			
Supa	0.03	1.45			
Vita	0.19	6.49			
Dondaicha	0.00	9.82			
Sakri	0.01	1.54			
Nandurbar	0.01	1.30			
Khandke	0.08	3.59			
Khaparale	0.03	1.83			
Total	0.78	47.01			
CPP					
JSW JAIGAD	26.00	400.78	1105	1040	985
WARDHA	10.35	186.98	464	402	433
Other CPPs	6.03	93.17			
Total	42.37	680.93			1418
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	231.66	490	490	500
Trombay 6	8.89	166.63	502	165	490
Trombay 7A	2.56	51.59	121	68	120
Trombay 7B	1.48	29.66	66	49	60
Trombay 8	5.82	116.82	245	238	250
TATA Hydro	3.70	74.42	347	0	447
Total	34.21	670.76			1867
REL					
1&2	12.56	250.16	525	521	500
Total	12.56	250.16			500
Cent Sect					
Share					5290
Total					5290

MS PG CL	Thermal	96.75	1724.14			4082
	Thml+Gas	107.84	2013.98			4542
	Hydro	12.57	452.78			1297
	Total	120.42	2466.76			5839
State Total		210.88	4127.50			14914

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Oct/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4294	332	468	5094	49	1754	4615	5095	-350	-557	11484	1898	11662	2206	15588	49.59
2	4206	140	465	4811	63	1765	4535	4972	-350	-350	11291	1843	11581	1964	15098	49.59
3	4263	65	470	4798	65	1768	4538	4731	-326	-219	11168	1702	11542	1836	14706	49.59
4	4276	70	469	4815	54	1767	4523	4761	-326	-145	11277	1802	11676	1761	14840	49.68
5	4185	120	469	4774	49	1750	4517	4985	-326	-122	11461	1857	11868	1724	15042	49.64
6	4133	336	469	4938	57	1775	4517	5153	-326	-167	11783	2097	12340	1781	15661	49.55
7	4023	371	470	4864	57	1785	4686	4861	-319	-240	11352	3185	12718	1896	16433	49.58
8	3999	146	463	4608	43	1713	4735	4773	-366	-362	10784	3611	12264	2033	16428	49.83
9	3961	129	459	4549	45	1728	4760	5145	-371	-451	11016	3593	12444	2322	16931	49.70
10	3808	160	453	4421	41	1758	5134	5386	-657	-627	10979	3834	12832	2691	17504	49.59
11	3850	518	452	4820	25	1748	5362	5642	-657	-825	11410	3587	13225	2966	17963	49.65
12	3911	830	450	5191	18	1768	5420	5736	-701	-818	11895	3394	13535	2990	18279	49.62
13	3985	603	458	5046	13	1769	5405	5813	-701	-814	11827	3545	13619	2995	18367	49.51
14	3977	634	445	5056	13	1761	5331	5698	-701	-789	11739	3264	13328	2967	17970	49.69
15	4065	1051	447	5563	13	1777	5253	5536	-701	-818	12071	3213	13725	2990	18274	49.54
16	4010	1191	453	5654	13	1757	5177	5113	-701	-775	11770	3541	13767	2993	18304	49.59
17	4078	556	460	5094	13	1771	4973	5111	-701	-803	11211	3576	13026	2987	17774	49.82
18	4110	387	465	4962	18	1772	4889	5072	-701	-754	11095	3448	12506	2948	17491	49.70
19	4015	1089	468	5572	17	1780	4942	5230	-723	-670	11957	3962	13178	2932	18851	49.72
20	3949	1193	464	5606	19	1793	5174	5674	-760	-689	12453	3686	13326	2895	19034	49.77
21	3921	1257	471	5649	24	1751	5153	5509	-715	-580	12398	3467	13071	2716	18581	49.72
22	3934	631	469	5034	27	1785	5177	5769	-657	-565	12096	3247	12570	2568	17911	49.88
23	3931	545	471	4947	19	1786	5075	5509	-542	-517	11793	2947	12204	2469	17209	49.69
24	3863	217	467	4547	27	1791	4965	5640	-542	-545	11508	2556	11795	2345	16409	49.76
MUs	96.75	12.57	11.10	120.41	0.78	42.37	118.86	126.91	-13.22	-13.20	277.82	72.86	303.80	59.98	410.65	49.67

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 20/Oct/2011

Position as on 6.30 Hrs of 21/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	05/09/2011	23.57		Continued.	Generator Inspection	22/10/2011
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Annual Overhaul	23/10/2011
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Cent_Sect NTPC(V-4)	210	15/10/2011	13.10	20/10/2011	00.50	G.T.Fire	
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Uran Unit 6	108	19/10/2011	00.16		Continued.	Suspected BTL.	24/10/2011
Bhusawal Unit 2	210	19/10/2011	07.05	21/10/2011	01.20	Tripped.	
Koyna ST-IV 1	250	20/10/2011	00.01		Continued.	Servo Motor D C Leakage.	24/10/2011
Khaparkheda Unit 2	210	20/10/2011	09.04		Continued.	Boiler Tube Leakage.	23/10/2011
Koyna Unit 3	75	20/10/2011	12.56	20/10/2011	17.41	Butterfly valve closing fault.	
Dabhol 3A	230	20/10/2011	15.30	20/10/2011	20.24	Transformer tripped on diff. protection.	
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	22/10/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Oct/2011

Position as on 6.30 Hrs of 21/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Solapur-Solapur(PGCIL)	20/10/2011	12.23	20/10/2011	17.46	Insulator replacement work.
Akola - Aurangabad- II	20/10/2011	16.36	20/10/2011	20.03	To attend C.B. problem.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	19/10/2011	09.26		Continued.	Erection of Tower for LILO.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Kolhapur - Mapusa - I	20/10/2011	01.16	20/10/2011	09.24	Over Voltage.
Dhule-Sar'Sarovar - I	20/10/2011	02.31	20/10/2011	09.15	Over Voltage.
Dhule - S'Sarovar- II	20/10/2011	04.12		Continued.	Over Voltage.
Chakan-Talegaon(PG)	20/10/2011	09.16	20/10/2011	09.36	H/T due to isolator problem.
Kolhapur - Mapusa - I	21/10/2011	04.23		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Chikodi	20/10/2011	16.12	20/10/2011	22.47	Distance protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	19/10/2011	09.12		Continued.	Replacement of R,Y & B Ph.CTs.
400/220 KV 315 MVA ICT-II @ Nagothane.	19/10/2011	10.45		Continued.	H V Side Taken on TBC.
Lonikand- Koyna Stage IV	20/10/2011	07.10	20/10/2011	17.55	Fitment of New Jumper.
400/220 KV 315 MVA ICT-II @ Chakan	20/10/2011	08.25	20/10/2011	16.54	Q.M.Work
Main Bus - I @ Chakan	20/10/2011	09.42	20/10/2011	16.34	To attend hot spot.
Dabhol-Nagothane - II	20/10/2011	09.45	20/10/2011	15.47	To attend hot spot.
TBC at 400KV Lonikand.	20/10/2011	15.59	20/10/2011	17.14	Errection of Bus post insulator.
400/220KV 500MVA ICT-III at Bableshwar	21/10/2011	01.00	21/10/2011	03.49	For taking of TBC trial.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 15.10.2011
Boiser PGCIL-Boiser II	19/10/2011	07.26		Continued.	Taken on TBC Hot Spot.
Lonikand - Bhosari	20/10/2011	08.45	20/10/2011	18.07	Replacement of faulty display card of dist.relay.
Phursungi-Magarpatta	20/10/2011	09.09	20/10/2011	15.43	Q.M.Work
Bus Coupler @ Jejuri	20/10/2011	09.39	20/10/2011	19.21	Tan delta C.B. testing and Maint.work.
Bhigwan-Baramati agro	20/10/2011	09.40	20/10/2011	13.15	Q.M.Work
220/100 KV 200 MVA ICT-II @ Apta	20/10/2011	09.41	20/10/2011	17.05	Testing and Maint.work.
Hinjawadi-I - Hinjawadi-II	20/10/2011	10.05	20/10/2011	16.10	Q.M.Work
Purti - Bhugaon	20/10/2011	10.46	20/10/2011	16.56	Tightening of loose jumper pad clamp nut bolts.
220/110,200 MVA T/F-I at Miraj	20/10/2011	11.00	20/10/2011	13.55	For providing support insulator.
220/100 KV 200 MVA ICT-	20/10/2011	11.18	20/10/2011	18.12	Tan delta measurement work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Oct/2011

Position as on 6.30 Hrs of 21/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
I @ Kolshet					
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Chandrapur-Sicom - I	11/10/2011	18.56	20/10/2011	10.41	To attend SF6 gas low alarm.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	20/10/2011	00.30	20/10/2011	06.13	Over Voltage.
Bhusawal- Aurangabad	20/10/2011	23.01	21/10/2011	05.50	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stabily.
Bale-Murud	16/10/2011	05.08		Continued.	To control Parli ICT loading.
Bale-Osmanbad	16/10/2011	05.08		Continued.	To control Parli ICT loading
Valve-Jamde	18/10/2011	17.18		Continued.	H/T due to Tower collapsed at Loc.N.40.44,45,46.
Padgha-Temghar I	18/10/2011	18.46		Continued.	To Control Padgha ICT Loading.
Padgha - Temghar - II	18/10/2011	18.48		Continued.	To Control Padgha ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,500 MVA ICT-III at Nagothane.	29/09/2011	15.20		Continued.	NDR Trip.
400/220KV,100 MVA Spare Unit at Korady	04/10/2011	10.50		Continued.	Buchholz Alarm Recieved.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
Karad-Pophali-II	20/10/2011	14.56	21/10/2011	01.56	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	0
	620	280
Bhusawal		
Unit 2	210	120
Unit 3	210	130
Unit 4	500	
	920	250
Parli		
Unit 3	210	115
Unit 4	210	100
Unit 5	210	110
Unit 6	250	140
Unit 7	250	150
	1130	615
Chandrapur		
Unit 1	210	142
Unit 2	210	119
Unit 3	210	161
Unit 4	210	170
Unit 5	500	257
Unit 6	500	239
Unit 7	500	257
	2340	1345
Paras		
Unit 3	250	140
Unit 4	250	120
	500	260
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	200
Unit 4	210	210
Unit 5	500	
	1340	590
Nasik		
Unit 3	210	160
Unit 4	210	160
Unit 5	210	150
	630	470
Uran		
All Units	852	470
	852	470
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
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	2
BHIRA T.R.	80	41
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	130
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	985
WARDHA	405	433
Other CPPs	0	
	1005	1418
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	490
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5481
	3455	5481

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