



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Nov/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Nov/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.812	2111.064	1) Madhya Pradesh	52.953	1063.588
2) Hydro	3.986	77.703	2) Gujrat	15.787	317.432
3) Gas	10.789	279.814	3) Goa	-6.203	-113.831
Total MSGENCO	137.587	2468.581	4) TAPS 1&2 (Inj.)	3.764	74.977
B) OTHERS			5) Pench (Excess)	-0.235	-6.186
1) RGPPL Gas	34.716	676.456	# Total Cent. Sector	66.066	1335.980
2) Wind Generation	2.054	90.283	F) Other Exchanges		
3) CPP / IPP	9.116	161.513	1) With TPCL (Excess)	-13.756	-204.194
4) PENCH (MS)	0.235	6.186	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.351	107.829
1) TPCL Thermal	24.591	489.771	Include PX	0.000	0.000
2) TPCL Hydro	4.657	61.236	2) MUMBAI Bilateral	13.425	220.150
TOTAL TPCL	29.248	551.007	Include PX	6.193	88.238
3) REL Thermal	12.573	223.713	3) MUMBAI Schedule	14.305	221.030
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	159.976	2824.548	1) MSEDCL	236.018	4534.805
2) Hydro (A2+B3+C2)	8.878	145.125	2) TPCL	37.246	652.730
3) Gas (A3+B1)	45.505	956.270	3) REL	18.327	326.160
4) Wind (B2)	2.054	90.283	TOTAL STATE	291.591	5513.695
5) CPP (B3)	9.116	161.513			
TOTAL STATE	225.529	4177.739			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5326	5287	4690
MSGENCO Hydro	181	767	85
MSGENCO Gas	484	484	349
MSGENCO Total Generation	5991	6538	5124
Central Sector Receipt	2930	3545	1844
RGPPL	1421	1531	1424
WIND	110	19	162
CPP / IPP	387	379	389
Exchange with TPCL	-516	-688	-317
MSEDCL DEMAND MET	10323	11341	8626
Load Shedding	0	1076	0
MSEDCL DEMAND (INCL. LS)	10323	12417	8626
TPCL GENERATION	1486	1558	936
REL GENERATION	525	520	527
TPCL+REL DEMAND	2527	2766	1780
STATE DEMAND MET	12850	14107	10406
STATE DEMAND (INCL. LS)	12850	15183	10406
Frequency (Hz)	50.00	49.96	50.12
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1464 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3.39 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.53 Hz at 23.56 Hrs	49.6 Hz at 17.40 Hrs	50.07	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 19/Nov/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.58	29.09	76	56	63
Unit 2	1.59	29.73	74	55	65
Unit 3	1.50	23.91	76	46	55
Unit 4	0.92	6.05	81	0	50
Unit 5	3.66	63.79	172	136	135
Unit 6	3.71	65.70	170	134	140
Unit 7	3.62	39.71	175	130	135
	16.60	257.99			643
Bhusawal					
Unit 1	1.09	9.34	50	33	45
Unit 2	3.54	43.29	160	130	150
Unit 3	4.10	75.96	195	150	185
	8.72	128.59			380
Parli					
Unit 1	0.52	8.98	24	18	20
Unit 2	0.06	9.02	18	0	0
Unit 3	3.30	56.30	152	120	150
Unit 4	3.83	71.84	175	143	160
Unit 5	0.00	53.45	0	0	0
Unit 6	4.50	72.52	225	129	200
Unit 7	2.99	78.64	198	88	100
	15.19	350.74			630
Chandrapur					
Unit 1	3.62	65.98	164	135	160
Unit 2	3.54	63.36	164	121	160
Unit 3	3.62	55.38	185	128	135
Unit 4	4.23	74.45	200	134	190
Unit 5	8.65	151.33	410	305	425
Unit 6	7.83	138.09	395	280	380
Unit 7	9.56	154.10	446	316	425
	41.06	702.69			1875
Paras					
Unit 2	0.00	9.87	0	0	0
Unit 3	4.55	54.82	214	155	200
Unit 4	4.64	85.28	218	153	200
	9.20	149.96			400
Khaparkheda					
Unit 1	4.40	87.17	200	165	210
Unit 2	4.28	40.66	195	127	210
Unit 3	3.87	81.47	172	148	200
Unit 4	3.91	76.55	177	155	180
	16.46	285.86			800
Nasik					
Unit 1	1.61	37.21	87	40	81
Unit 2	1.96	27.76	90	47	81
Unit 3	4.34	82.95	200	165	182
Unit 4	3.71	8.46	170	105	82
Unit 5	3.95	78.86	185	133	172
	15.57	235.24			598
Koyna					
Stage 1-2	1.32	28.58	195	35	600
Stage 4	0.00	3.11	0	0	250
Stage 3	0.46	7.85	252	0	320
	1.78	39.54			1170
Kovna 12&4 Total	1.32	31.68			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		10.79	279.81	496	349	400
		10.79	279.81			400
Hydro						
KDPH		0.00	0.87	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.29	7.58	61	0	60
BHTGR/VEER		0.12	1.08	5	5	10
BHIRA T.R.		0.28	3.93	80	0	80
RNGR+BHTSA		0.34	6.66	14	14	15
BHANDARDRA		0.00	0.03	0	0	0
ELDARY		0.36	2.07	15	15	0
SMLHY PTN		0.33	4.24	22	11	20
GHATGHAR		0.49	11.71	225	0	0
		2.21	38.16			185
PENCH (MS)						
Pench (MS)		0.24	6.19	54	0	
		0.24	6.19			
Wind						
MalharPeth		0.20	3.75			
Vankuswadi		0.30	10.79			
ATIT		0.08	1.62			
Kale		0.08	3.85			
Satara		0.10	10.89			
Shirala		0.07	3.93			
K Mahankal		0.05	5.07			
Supa		0.07	1.97			
Vita		0.55	17.16			
Dondaicha		0.19	14.85			
Sakri		0.05	2.72			
Nandurbar		0.04	1.55			
Khandke		0.24	7.36			
Khaparale		0.03	4.76			
		2.05	90.28			
CPP						
TOTAL CPP		9.12	161.51			
		9.12	161.51			
Dabhol						
RGPPL		34.72	676.46	1542	1420	1560
		34.72	676.46			1560
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.23	206.95	490	350	500
Trombay 6		3.80	98.37	280	0	500
Trombay 7A		2.88	54.56	124	115	120
Trombay 7B		1.60	30.45	68	63	60
Trombay 8		5.08	99.44	250	150	250
TATA Hydro		4.66	61.24	452	0	447
		29.25	551.01			1877
REL						
1&2		12.57	223.71	527	515	500
		12.57	223.71			500
Cent Sect						
Share						3450
						3450
MS PG CL	Thermal	122.81	2111.06			5326
	Thml+Gas	133.60	2390.88			5726
	Hydro	3.99	77.70			1355
	Total	137.59	2468.58			7081
State Total		225.53	4177.74			14468

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Nov/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4824	85	356	5265	1421	266	385	2478	1799	-466	-440	8696	0	8696	1965	10661	50.02
2	4690	85	349	5124	1424	162	389	2295	1844	-349	-317	8626	0	8626	1780	10406	50.12
3	4764	85	392	5241	1420	134	389	2246	1979	-304	-277	8886	0	8886	1664	10550	50.33
4	4749	85	393	5227	1421	132	375	2141	1915	-256	-238	8832	0	8832	1603	10435	50.29
5	4721	90	393	5204	1421	133	374	2345	2067	-233	-198	9001	0	9001	1593	10594	50.10
6	4780	85	395	5260	1421	144	384	2500	2332	-233	-206	9335	0	9335	1665	11000	49.94
7	5214	95	395	5704	1420	157	390	2766	2538	-304	-289	9920	0	9920	1738	11658	49.94
8	5223	90	409	5722	1420	144	379	2851	2574	-349	-347	9946	0	9946	1842	11788	49.99
9	5363	144	449	5956	1421	124	378	2922	2828	-418	-411	10306	0	10306	2144	12450	50.17
10	5326	181	484	5991	1421	110	387	3421	2930	-521	-516	10323	0	10323	2527	12850	50.00
11	5319	101	487	5907	1430	86	380	3622	2716	-678	-662	9857	0	9857	2785	12642	50.04
12	5269	101	484	5854	1433	62	367	3437	2761	-688	-683	9794	0	9794	2845	12639	50.01
13	5289	117	484	5890	1433	63	367	3395	2991	-839	-848	9916	0	9916	2815	12731	50.02
14	5249	95	471	5815	1433	34	362	3386	3077	-849	-839	9902	0	9902	2737	12639	50.15
15	5201	85	471	5757	1436	21	366	3374	3141	-899	-886	9855	0	9855	2773	12628	49.98
16	5288	95	471	5854	1444	19	369	3336	3176	-969	-954	9929	0	9929	2767	12696	50.01
17	5265	90	472	5827	1446	16	375	3310	3282	-945	-924	10022	0	10022	2741	12763	49.97
18	5252	310	484	6046	1460	17	358	3248	3364	-833	-778	10467	354	10821	2684	13505	49.94
19	5287	767	484	6538	1531	19	379	3312	3545	-708	-688	11341	1076	12417	2766	15183	49.96
20	5233	624	491	6348	1538	30	397	3412	3442	-755	-697	11085	1319	12404	2721	15125	50.10
21	5236	321	490	6047	1542	40	398	3389	3207	-732	-684	10577	976	11553	2585	14138	50.06
22	5282	85	494	5861	1498	44	402	3268	3136	-684	-627	10324	0	10324	2395	12719	50.07
23	5161	80	495	5736	1439	44	390	3238	2723	-708	-680	9661	0	9661	2293	11954	50.20
24	4827	90	496	5413	1443	53	376	2969	2699	-585	-567	9417	0	9417	2149	11566	50.30
MUs	122.8 1	3.99	10.79	137.59	34.72	2.05	9.12	72.66	66.07	-14.31	-13.76	236.02	3.72	239.74	55.58	295.32	50.07

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 19/Nov/2010

Position as on 6.30 Hrs of 20/Nov/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Cent_Sect Tarapur 1	80	10/10/2010	21.30		Continued.	Fuel Refulling.	20/11/2010
Uran Unit 5	108	18/11/2010	01.23		Continued.	Maintenance work	22/11/2010
Parli Unit 5	210	19/11/2010	01.05		Continued.	Annual Overhaul	20/12/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/11/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube salidity expired.	20/11/2010
Uran Unit A0	120	18/11/2010	09.35	19/11/2010	09.40	Turbine Protection	
Parli Unit 2	30	18/11/2010	22.05	19/11/2010	18.53	PIAF Valve work	
Tata Trombay 6	500	19/11/2010	12.29	19/11/2010	17.43	Turbine Fire Protection.	
Koradi Unit 4	115	19/11/2010	15.27		Continued.	Boiler Tube Leakage.	21/11/2010
Parli Unit 2	30	19/11/2010	23.01		Continued.	Failme Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Nov/2010

Position as on 6.30 Hrs of 20/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Tarapur - II	19/11/2010	10.07	19/11/2010	18.47	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	22/10/2010	14.43		Continued.	Changeover.
Akola - Wardha - I	11/11/2010	23.47		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	17/11/2010	01.55	19/11/2010	09.09	Over Voltage.
Dhule-Sar'Sarovar - II	17/11/2010	23.04		Continued.	Over Voltage
Kolhapur-Mapusa-II	18/11/2010	23.20	19/11/2010	10.59	Over Voltage
Kolhapur - Mapusa - I	19/11/2010	23.35		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	19/11/2010	23.52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Tillari-Amona-II	16/11/2010	12.43		Continued.	To attend breakdown.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudsungii-Amona	14/11/2010	14.27		Continued.	Dist.Prot.R Ph - E142.5KM FROM Mudsungii.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	15/10/2010	12.25		Continued.	Attending Red Hot on R-Ph HV side Bushing.
400/220KV,500 MVA ICT-III At A'bad.	19/11/2010	10.03	19/11/2010	18.23	Revision of WTI,OTI Setting & Maint.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Repl.125 MVA ICT by 200 MVA New ICT.(Expected on 30.11.2010)
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
Tifil-Trombay	08/10/2010	10.18		Continued.	Erection & Stringing of M/C Towers (Loc.22-40) & Dismantling of Old Towers upto 6.11.2010.
220/132KV 100MVA ICT-II @ Chalisgaon	08/11/2010	11.10		Continued.	Commissioning of new 200MVA ICT by replacing 100MVA ICT.
220/132 KV 150 MVA ICT - I @ NSK.	10/11/2010	09.40		Continued.	Augmentation of existing 150 MVA ICT by new 200MVA ICT (Up to 09.12.2012)
Babaleshwar - Babaleshwar - II	18/11/2010	09.02		Continued.	Isolator replacement work, Line on TBC
220 KV Main Bus - II @ 400 KV Kalwa	19/11/2010	07.15	19/11/2010	20.29	Maintenance Work.
Khaperkheda - Wardha.	19/11/2010	08.25	19/11/2010	16.31	Laying of Earthwire from Loc.113 (Cut Point) to 125 (Cut Point).
Temghar - Padgha	19/11/2010	09.41	19/11/2010	18.11	Attending Hot Spot.
Chalisgaon - Malegaon	19/11/2010	10.00	19/11/2010	15.01	Replacement of Distance Protection Relay & Q.M.
Kalwa-Mahape	19/11/2010	10.11	19/11/2010	17.44	For Commissioning Numerical Backup Relay
Nagothane - SPCL	19/11/2010	10.17	19/11/2010	19.15	Line Isolator Allinment Work.
220 KV Main Bus - II @ Jejuri.	19/11/2010	11.04		Continued.	Testing & Maint.Work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Nov/2010

Position as on 6.30 Hrs of 20/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT- I @ Kharghar	19/11/2010	14.13	19/11/2010	15.35	Hot Spot Attending Work.
Dhule - Babaleshwar - II	19/11/2010	15.57	19/11/2010	16.16	Hot Spot Attending Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bhosari-C'enka	20/11/2010	06.00		Continued.	Oil Leakage of R Ph.C T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	17/11/2010	21.46	19/11/2010	06.47	Over Voltage
Bhusawal- Aurangabad	18/11/2010	23.32	19/11/2010	06.27	Over Voltage
Karad-Lamboti	19/11/2010	01.51	19/11/2010	06.32	Over Voltage
Bhusawal- Aurangabad	19/11/2010	10.00	19/11/2010	18.39	For Controlling A'bad ICT Loading.
Bhusawal- Aurangabad	19/11/2010	22.32	20/11/2010	05.34	Over Voltage.
Dhule - Babaleshwar - II	20/11/2010	01.14		Continued.	Over Voltage.
Karad-Lamboti	20/11/2010	01.20	20/11/2010	05.49	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Borivali-Tata Borivali 4	19/10/2010	16.41	19/11/2010	12.44	To control ICT Kalwa loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 500 MVA ICT- II at Lamboti	10/10/2010	15.28		Continued.	Y-Ph Buchholz..
Karad - Kolhapur - II	19/11/2010	01.51		Continued.	Over Voltage
STG IV-N.Koyna -I	19/11/2010	05.04	19/11/2010	05.11	CB tripped at Stage-IV on PDR
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst. NEW 200 MVA T/F Errection in progress.
Jejuri-Phursungi	19/11/2010	05.40	19/11/2010	06.00	Distance Protection
Babaleshwar - Babaleshwar - I	19/11/2010	22.00	20/11/2010	00.46	Distance Protection.
Babaleshwar - Babaleshwar - II	19/11/2010	22.00	20/11/2010	00.45	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Butibori MIDC-Khapri Cky.	08/11/2010	10.10		Continued.	Dist.Prot.Y Ph.and B Ph.B/D decleared.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Nov/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	140
Unit 6	210	135
Unit 7	210	150
	1040	635
Bhusawal		
Unit 1	58	45
Unit 2	210	135
Unit 3	210	165
	478	345
Parli		
Unit 1	30	19
Unit 2	30	0
Unit 3	210	170
Unit 4	210	175
Unit 5	210	0
Unit 6	250	200
Unit 7	250	160
	1190	724
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	150
Unit 4	210	195
Unit 5	500	360
Unit 6	500	400
Unit 7	500	450
	2340	1855
Paras		
Unit 2	55	0
Unit 3	250	200
Unit 4	250	202
	555	402
Khaparkheda		
Unit 1	210	205
Unit 2	210	195
Unit 3	210	175
Unit 4	210	175
	840	750
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	182
Unit 4	210	142
Unit 5	210	172
	870	658
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	480

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	480
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	170
PENCH (MS)		
Pench (MS)	53	
	53	
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		
TOTAL CPP	0	
	0	
Dabhol		
RGPPPL	960	1554
	960	1554
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3503
	3143	3503

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