



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Jan/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.558	2340.515	1) Madhya Pradesh	42.800	790.989
2) Hydro	28.269	337.234	2) Gujrat	36.794	512.500
3) Gas	15.858	258.684	3) Goa	-5.988	-115.623
Total MSGENCO	150.685	2936.433	4) TAPS 1&2 (Inj.)	7.843	149.585
B) OTHERS			5) Pench (Excess)	-0.386	-8.461
1) RGPPL Gas	32.379	635.158	# Total Cent. Sector	81.063	1328.990
2) Wind Generation	1.857	51.523	F) Other Exchanges		
3) CPP / IPP	23.885	433.519	1) With TPCL (Excess)	-4.852	-76.616
4) PENCH (MS)	0.386	8.461	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	16.847	302.363
1) TPCL Thermal	20.941	405.324	Include PX	0.000	0.000
2) TPCL Hydro	5.911	78.702	2) MUMBAI Bilateral	3.939	75.783
TOTAL TPCL	26.852	484.026	Include PX	-1.729	-21.360
3) REL Thermal	12.687	239.399	3) MUMBAI Schedule	4.899	81.608
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	140.186	2985.238	1) MSEDCL	285.403	5317.468
2) Hydro (A2+B3+C2)	34.566	424.397	2) TPCL	29.657	535.074
3) Gas (A3+B1)	48.237	893.842	3) REL	14.729	264.930
4) Wind (B2)	1.857	51.523	TOTAL STATE	329.789	6117.472
5) CPP (B3)	23.885	433.519			
TOTAL STATE	248.731	4788.519			

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	4517	4262	4592
MSGENCO Hydro	2052	1919	144
MSGENCO Gas	675	635	686
MSGENCO Total Generation	7244	6816	5422
Central Sector Receipt	3918	3528	2709
RGPPL	1352	1357	1330
WIND	28	75	99
CPP / IPP	1009	1010	930
Exchange with Mumbai	-215	-385	-13
MSEDCL DEMAND MET	13336	12401	10477
Load Shedding	2586	4359	0
MSEDCL DEMAND (INCL. LS)	15922	16760	10477
TPCL GENERATION	1329	1380	723
REL GENERATION	527	529	530
TPCL+REL DEMAND	2071	2294	1266
STATE DEMAND MET	15407	14695	11743
STATE DEMAND (INCL. LS)	17993	19054	11743
Frequency (Hz)	49.56	49.76	49.82
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4538 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			69.35 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 17:04 Hrs	48.97 Hz at 05:27 Hrs	49.67	1.66 % 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/Jan/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1		11.85	0	0	
Unit 2		8.44	0	0	
Unit 3		12.29	0	0	
Unit 4		9.33	0	0	
Unit 5	4.14	59.64	189	161	166
Unit 6	0.00	0.00	0	0	0
Unit 7	4.61	67.70	205	165	198
	8.75	169.24			364
Bhusawal					
Unit 1		0.00	0	0	
Unit 2	4.06	67.54	195	0	200
Unit 3	4.68	86.38	210	180	200
	8.74	153.92			400
Parli					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	2.18	75.06	180	0	165
Unit 4	4.40	81.96	192	143	195
Unit 5	3.34	85.48	209	0	205
Unit 6	4.95	98.24	245	127	220
Unit 7	0.00	63.28	0	0	0
	14.87	404.02			785
Chandrapur					
Unit 1	3.68	69.73	161	142	160
Unit 2	3.52	54.66	160	123	155
Unit 3	4.74	83.16	205	190	200
Unit 4	4.41	80.33	193	165	200
Unit 5	11.54	200.52	495	465	475
Unit 6	11.09	198.10	480	444	475
Unit 7	0.34	169.40	146	0	0
	39.33	855.91			1665
Paras					
Unit 2		0.00	0	0	
Unit 3	3.61	81.70	167	131	145
Unit 4	0.00	86.71	0	0	0
	3.61	168.42			145
Khaparkheda					
Unit 1	4.86	92.02	210	190	210
Unit 2	4.62	89.32	206	179	210
Unit 3	5.07	91.97	217	200	210
Unit 4	0.00	12.53	0	0	0
	14.55	285.85			630
Nasik					
Unit 1	1.96	39.07	93	66	90
Unit 2	2.06	33.67	98	74	90
Unit 3	4.37	77.46	190	155	210
Unit 4	4.38	81.43	209	165	210
Unit 5	3.95	71.53	175	138	210
	16.72	303.15			810
Koyna					
Stage 1-2	4.48	68.54	555	35	530
Stage 4	14.53	129.82	1063	0	250
Stage 3	3.92	42.36	240	0	240
	22.92	240.72			1020
Kovna 12&4 Total	19.00	198.36			780

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.86	258.68	691	624	675
		15.86	258.68			675
Hydro						
KDPH		0.46	5.26	20	19	20
VTRNA		0.00	13.82	0	0	0
TILLARI		0.47	7.24	60	0	60
BHTGR/VEER		0.13	7.96	6	5	20
BHIRA T.R.		0.38	4.35	82	0	80
RNGR+BHTSA		0.40	6.98	17	16	16
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.54	4.01	23	22	0
SMLHY PTN		0.89	16.27	44	34	12
GHATGHAR		2.08	30.62	250	0	0
		5.35	96.51			208
PENCH (MS)						
Pench (MS)		0.39	8.46	51	0	
		0.39	8.46			
Wind						
MalharPeth		0.04	1.84			
Vankuswadi		0.12	5.13			
ATIT		0.02	0.80			
Kale		0.06	1.74			
Satara		0.12	3.31			
Shirala		0.06	2.01			
K Mahankal		0.01	2.68			
Supa		0.06	1.39			
Vita		0.16	8.97			
Dondaicha		0.75	13.03			
Sakri		0.17	2.20			
Nandurbar		0.08	1.19			
Khandke		0.15	4.51			
Khaparale		0.06	2.72			
		1.86	51.52			
CPP						
TOTAL CPP		23.88	433.52			
		23.88	433.52			
Dabhol						
RGPPL		32.38	635.16	1377	1311	1470
		32.38	635.16			1470
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.89	193.08	490	295	500
Trombay 6		0.00	22.73	0	0	0
Trombay 7A		2.89	56.01	126	113	110
Trombay 7B		1.60	30.88	69	65	60
Trombay 8		5.56	102.62	252	160	250
TATA Hydro		5.91	78.70	459	0	447
		26.85	484.03			1367
REL						
1&2		12.69	239.40	530	527	500
		12.69	239.40			500
Cent Sect						
Share						3378
						3378
MS PG CL	Thermal	106.56	2340.52			4799
	Thml+Gas	122.42	2599.20			5474
	Hydro	28.27	337.23			1228
	Total	150.68	2936.43			6702
State Total		248.73	4788.52			14122

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Jan/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum SCH.	Mum NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4573	140	682	5395	1325	121	924	2966	2796	-9	-40	10521	0	10521	1338	11859	49.74
2	4592	144	686	5422	1330	99	930	2973	2709	-9	-13	10477	0	10477	1266	11743	49.82
3	4579	135	687	5401	1331	120	921	2950	2873	16	9	10655	0	10655	1183	11838	49.87
4	4522	149	688	5359	1346	194	947	2966	3048	16	10	10904	132	11036	1153	12189	49.88
5	4550	325	686	5561	1348	139	956	2966	2861	16	11	10876	1092	11968	1186	13154	49.72
6	4579	905	685	6169	1350	117	974	2853	2890	108	97	11597	1635	13232	1245	14477	49.54
7	4627	1313	688	6628	1348	123	1030	3097	2972	-12	-17	12084	1850	13934	1438	15372	49.61
8	4639	1793	691	7123	1350	118	1034	3119	3167	24	12	12804	2019	14823	1619	16442	49.59
9	4598	1921	682	7201	1351	68	1027	3280	3513	-101	-96	13064	2228	15292	1858	17150	49.63
10	4517	2052	675	7244	1352	28	1009	3542	3918	-233	-215	13336	2586	15922	2071	17993	49.56
11	4561	1589	657	6807	1352	30	1027	3717	3627	-424	-411	12432	2963	15395	2281	17676	49.61
12	4532	1704	643	6879	1351	30	1028	3722	3745	-447	-435	12598	2803	15401	2329	17730	49.61
13	4511	1663	629	6803	1351	28	1016	3751	3894	-424	-414	12729	2735	15464	2272	17736	49.72
14	4388	1849	625	6862	1352	34	1005	3572	3802	-315	-312	12794	2641	15435	2165	17600	49.68
15	4399	2013	624	7036	1351	42	1021	3497	3672	-397	-391	12782	2720	15502	2198	17700	49.62
16	4409	1664	627	6700	1352	77	1015	3355	3828	-397	-385	12638	3215	15853	2217	18070	49.54
17	4292	1524	627	6443	1377	70	1022	3284	3828	-342	-337	12454	3143	15597	2228	17825	49.61
18	4270	1618	632	6520	1350	77	1012	3438	3932	-342	-343	12548	3442	15990	2191	18181	49.73
19	4262	1919	635	6816	1357	75	1010	3349	3528	-389	-385	12401	4359	16760	2294	19054	49.76
20	4251	1513	647	6411	1369	64	999	3384	3361	-403	-410	11819	4414	16233	2330	18563	49.61
21	4211	990	653	5854	1367	57	997	3233	3557	-248	-245	11637	4142	15779	2165	17944	49.53
22	4267	666	669	5602	1368	64	1013	3129	3415	-137	-129	11365	3739	15104	1992	17096	49.70
23	4285	377	667	5329	1340	39	986	3232	3301	-242	-230	10791	3275	14066	1766	15832	49.68
24	4144	303	673	5120	1311	43	982	3064	2824	-205	-183	10097	3126	13223	1606	14829	49.80
MUs	106.56	28.27	15.86	150.68	32.38	1.86	23.88	78.44	81.06	-4.90	-4.85	285.40	58.26	343.66	44.39	388.05	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 for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 19/Jan/2011

Position as on 6.30 Hrs of 20/Jan/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 6	210	26/12/2010	09.23		Continued.	Annual Overhaul.	27/01/2011
Khaparkheda Unit 4	210	03/01/2011	15.26		Continued.	Capital Overhaul.	07/02/2011
Dabhol 3B	230	04/01/2011	16:44		Continued.	Rehabilitation work.	05/03/2011
Tata Trombay 6	500	07/01/2011	00.04		Continued.	Capital overhaul.	31/01/2011
Koyna Unit 11	80	13/01/2011	07.45		Continued.	Retrofitting work of excitation system.	13/02/2011
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.	
Parli Unit 7	250	14/01/2011	11.21		Continued.	M.S.Temp.Low	24/01/2011
Chandrapur Unit 7	500	17/01/2011	10.17	19/01/2011	21.06	Boiler Tube Leakage.	
Paras Unit 4	250	18/01/2011	08.58		Continued.	BLR T/L.	21/01/2011
Cent_Sect Sipat-4	500	18/01/2011	21.08	19/01/2011	06.35	Fuel shortage.	
Cent_Sect NTPC(K-5)	500	19/01/2011	13.25		Continued.	BLR T/L.	22/01/2011
Parli Unit 3	210	19/01/2011	16.45		Continued.	Due to 220/6.6 KV Stn.T/F-II Tripped.	
Parli Unit 5	210	19/01/2011	16.46		Continued.	Due to 220/6.6 KV Stn.T/F-II Tripped.	
Bhusawal Unit 2	210	19/01/2011	22.35	20/01/2011	01.38	Furnace pressure high.	
Bhusawal Unit 2	210	20/01/2011	01.40		Continued.	Furnace pressure low.	
Uran Unit 7	108	20/01/2011	02.01		Continued.	Filter Replacement.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jan/2011

Position as on 6.30 Hrs of 20/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-Bhadravti - I	19/01/2011	09.50	19/01/2011	19.30	Maintenance work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudsungi - Chikodi	19/01/2011	12.25	19/01/2011	18.45	Bay Maintenance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	17/01/2011	22.38	19/01/2011	12.41	Over Voltage.
Dhule - S'Sarovar- II	19/01/2011	18.03		Continued.	Over Voltage.
Kolhapur - Mapusa - I	19/01/2011	23.46		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	19/01/2011	20.28	20/01/2011	00.56	Attending Oil leakage of B-Ph convertor transformer.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315MVA ICT-II @ Karad	04/01/2011	19.38		Continued.	H.V.Side BKR Repl.Work,Kept on TBC.
Chandrapur - Parli - I	15/01/2011	08.43		Continued.	Attending R phase pole oil leakage,line on TBC
Dabhol-Nagothane - II	18/01/2011	16.50		Continued.	Taken on TBC, For attending SF-6 gas leakage at Dabhol end.
400/220 KV 315 MVA ICT-II @ Lonikand	18/01/2011	18.03	19/01/2011	20.00	LV side taken on TBC due to sparking at 29B isolator.
Karad - Solapur(Lamboti)	18/01/2011	23.50		Continued.	Lilo of 400 KV Kard-Solapur line.
Karad - Lonikand	19/01/2011	06.33	19/01/2011	19.45	Making insulator histing at tower loc.no.321 & conductor stringing for Jaigad-Karad D/C line.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Mahape	28/11/2010	15.17	19/01/2011	16.45	For Strengthening of mumbai system network.
220/100KV 125 MVA ICT-III @ Kalwa	14/12/2010	08.39		Continued.	For Augumentation from 125MVA to 200MVA.
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(Six Month Outage.)Up to 09.05.2011.
220/132 KV 100 MVA ICT-II @ Babaleshwar	25/12/2010	12:15		Continued.	Augmentation by 200MVA ICT (upto 30/01/2011)
220/132 KV 100 MVA ICT-II @ Bhusawal	02/01/2011	08.58		Continued.	Replacement of 100 MVA By 200 MVA ICT(Upto 23.01.2011).
220/100 KV125 MVA ICT-III @Trombay	06/01/2011	12.03		Continued.	Augmentation by New 200 MVA ICT up to 20.03.2011.
Parly - New Parly TPS - I	13/01/2011	11.47		Continued.	Line isolator replacement work.
220/6.6KV 40MVA Stn.T/F-IV at K'Kheda	14/01/2011	12.26		Continued.	Oil Filtration work(10Days)
Kalwa - Borivali	19/01/2011	07.32	19/01/2011	13.52	Taking Trials of TBC.
Khaperkheda - Koradi	19/01/2011	08.37	19/01/2011	14.14	Q.M.Work
Bhandara - RLY TSS - I	19/01/2011	08.45	19/01/2011	13.50	Q.M.Work
220/132 KV,100 MVA T/F-II @ Malegaon	19/01/2011	08.55		Continued.	Replacement of 100MVA ICT by 200MVA.
Ghodbandar-Versova-I	19/01/2011	08.56	19/01/2011	21.30	Annual Maintenance work.
Mahape-Tifil	19/01/2011	10.07		Continued.	Dismantalling and erection of MC tower bet.loc No.42-46 and stringing of conductor.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jan/2011

Position as on 6.30 Hrs of 20/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	17/01/2011	17.45	19/01/2011	06.23	Over Voltage.
Own Brekar @ Kolhapur-Mapusa-I	18/01/2011	03.52	19/01/2011	15.35	Low Air Pressure of Main C B.On TBC.
Bhusawal- Aurangabad	18/01/2011	21.28	19/01/2011	04.46	Over Voltage.
Bhusawal- Aurangabad	19/01/2011	22.56	20/01/2011	05.04	Over Voltage.
Karad - Kolhapur - I	19/01/2011	23.00	20/01/2011	21.45	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Lote - Dasturi	07/01/2011	21.01		Continued.	B phase Crossarm Bend at Loc.No.97, (work till 22/01/2011).
Babaleshwar - Bhenda	10/01/2011	09.30		Continued.	To Control Babaleshwar ICT Load.
Chandrapur-Warora - I	13/01/2011	08.25		Continued.	To control Warora-Hinganghat line load
Alephata-Kathapur	14/01/2011	14.08		Continued.	To Control 400KV LNKD ICT Loading.
Aurangabad - Babaleshwar	17/01/2011	07.55	19/01/2011	11.07	Due to ICT Over Loading.
Dhule-Chalisgaon	18/01/2011	15.53		Continued.	To control O/L of 400KV Dhule ICT's.
Aurangabad - Babaleshwar	19/01/2011	11.34		Continued.	H/T from BBSLR end.To control 400KV BBSLR ICT loading.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/01/2011	13.46		Continued.	H/T from Kalwa end
Voltage Level : 400KV			Outage Type TRIPPED		
Kalwa - Padgha - II	19/01/2011	20.52	19/01/2011	21.02	Direct Trip received at Padgha end.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 100 MVA ICT-I @Padegaon	26/12/2010	13.30		Continued.	ICT on TBC for Main Breaker Replacement.
Vita - Lamboti	18/01/2011	00.19		Continued.	Distance Protection.
New Parli-Nanded	19/01/2011	13.06	19/01/2011	20.33	Distance Protection, R-PH Z-I.
Karad-Kolhapur - II	19/01/2011	13.42	19/01/2011	18.33	Distance Protection,Z-I.
220/6.6KV 40 MVA Stn T/F-II at Parli GCR.	19/01/2011	16.45		Continued.	Overcurrent E/F, 6.6KV breaker flashover.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Jan/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	180
Unit 6	210	0
Unit 7	210	200
	1040	380
Bhusawal		
Unit 1	58	0
Unit 2	210	200
Unit 3	210	200
	478	400
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	0
Unit 4	210	195
Unit 5	210	0
Unit 6	250	240
Unit 7	250	0
	1190	435
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	475
Unit 6	500	480
Unit 7	500	300
	2340	1965
Paras		
Unit 2	55	
Unit 3	250	150
Unit 4	250	0
	555	150
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	0
	840	630
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	870	800
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	480

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	480
Hydro		
KDPH	40	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	20
SMLHY PTN	12	11
GHATGHAR	250	0
	611	216
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		
RGPPL	960	1470
	960	1470
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1367
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3365
	3143	3365