



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jan/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.678	2561.906	1) Madhya Pradesh	44.351	877.442
2) Hydro	17.896	380.907	2) Gujrat	31.425	576.917
3) Gas	15.952	287.410	3) Goa	-6.136	-127.660
Total MSGENCO	147.526	3230.223	4) TAPS 1&2 (Inj.)	7.922	165.408
B) OTHERS			5) Pench (Excess)	-0.208	-9.058
1) RGPPL Gas	33.114	701.401	# Total Cent. Sector	77.354	1483.049
2) Wind Generation	3.335	56.724	F) Other Exchanges		
3) CPP / IPP	22.477	481.069	1) With TPCL (Excess)	-5.675	-87.401
4) PENCH (MS)	0.208	9.058	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	15.982	335.500
1) TPCL Thermal	20.892	447.230	Include PX	0.000	0.000
2) TPCL Hydro	5.987	90.703	2) MUMBAI Bilateral	4.550	84.686
TOTAL TPCL	26.879	537.933	Include PX	-1.245	-24.055
3) REL Thermal	12.696	264.796	3) MUMBAI Schedule	5.510	92.431
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	147.266	3273.932	1) MSEDCL	278.339	5874.123
2) Hydro (A2+B3+C2)	24.091	480.668	2) TPCL	30.509	595.751
3) Gas (A3+B1)	49.066	988.811	3) REL	14.740	294.340
4) Wind (B2)	3.335	56.724	TOTAL STATE	323.588	6764.214
5) CPP (B3)	22.477	481.069			
TOTAL STATE	246.235	5281.204			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4799	4784	4658
MSGENCO Hydro	1014	1238	156
MSGENCO Gas	650	660	673
MSGENCO Total Generation	6463	6682	5487
Central Sector Receipt	3674	3474	2256
RGPPL	1413	1408	1322
WIND	84	90	220
CPP / IPP	956	648	992
Exchange with Mumbai	-468	-455	-17
MSEDCL DEMAND MET	12132	11887	10260
Load Shedding	2888	4168	0
MSEDCL DEMAND (INCL. LS)	15020	16055	10260
TPCL GENERATION	1391	1392	704
REL GENERATION	529	527	529
TPCL+REL DEMAND	2388	2374	1250
STATE DEMAND MET	14520	14261	11510
STATE DEMAND (INCL. LS)	17408	18429	11510
Frequency (Hz)	49.78	49.82	50.03
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4075 MW at 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			59.31 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 21:42 Hrs	49.3 Hz at 05:42 Hrs	49.84	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 21/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	4.33	68.22	186	170	190
Unit 6	0.00	0.00	0	0	0
Unit 7	4.79	77.10	210	185	210
	9.12	187.22			400
Bhusawal					
Unit 1		0.00	0	0	
Unit 2	4.11	73.40	195	145	200
Unit 3	4.11	94.98	195	130	200
	8.22	168.38			400
Parli					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	0.00	75.06	0	0	0
Unit 4	4.45	90.72	192	178	190
Unit 5	0.00	85.48	0	0	0
Unit 6	5.71	109.62	246	230	235
Unit 7	0.00	63.28	0	0	0
	10.16	424.17			425
Chandrapur					
Unit 1	3.52	76.97	159	130	135
Unit 2	3.75	62.20	164	149	155
Unit 3	4.33	92.05	205	145	200
Unit 4	4.50	89.42	205	162	200
Unit 5	11.02	223.10	480	415	475
Unit 6	10.86	219.79	485	395	450
Unit 7	11.02	189.57	475	437	450
	49.02	953.11			2065
Paras					
Unit 2		0.00	0	0	
Unit 3	5.28	91.06	240	176	210
Unit 4	0.00	86.71	0	0	0
	5.28	177.77			210
Khaparkheda					
Unit 1	5.04	102.04	215	205	210
Unit 2	4.74	98.79	207	180	170
Unit 3	5.12	102.14	216	206	210
Unit 4	0.00	12.53	0	0	0
	14.90	315.49			590
Nasik					
Unit 1	2.08	43.01	96	77	90
Unit 2	2.14	37.75	98	80	90
Unit 3	3.78	84.75	170	140	210
Unit 4	4.64	90.73	208	176	210
Unit 5	4.33	79.52	197	145	200
	16.98	335.76			800
Koyna					
Stage 1-2	3.02	76.12	385	40	600
Stage 4	6.73	149.05	763	0	250
Stage 3	2.50	48.69	240	0	240
	12.24	273.86			1090
Kovna 12&4 Total	9.74	225.17			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.95	287.41	688	618	640
		15.95	287.41			640
Hydro						
KDPH		0.46	6.18	20	19	20
VTRNA		0.00	13.82	0	0	0
TILLARI		0.48	8.04	60	0	60
BHTGR/VEER		0.48	8.53	20	19	4
BHIRA T.R.		0.37	5.11	81	0	80
RNGR+BHTSA		0.40	7.77	17	16	17
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.54	5.08	23	18	22
SMLHY PTN		0.99	18.16	49	38	11
GHATGHAR		1.94	34.35	250	0	0
		5.65	107.05			214
PENCH (MS)						
Pench (MS)		0.21	9.06	44	0	
		0.21	9.06			
Wind						
MalharPeth		0.11	2.01			
Vankuswadi		0.38	5.68			
ATIT		0.05	0.88			
Kale		0.16	1.98			
Satara		0.61	4.33			
Shirala		0.21	2.35			
K Mahankal		0.02	2.71			
Supa		0.04	1.50			
Vita		0.78	10.50			
Dondaicha		0.53	13.62			
Sakri		0.08	2.27			
Nandurbar		0.04	1.24			
Khandke		0.27	4.86			
Khaparale		0.06	2.78			
		3.34	56.72			
CPP						
TOTAL CPP		22.48	481.07			705
		22.48	481.07			705
Dabhol						
RGPPL		33.11	701.40	1414	1315	1500
		33.11	701.40			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.76	214.72	490	300	500
Trombay 6		0.00	22.73	0	0	0
Trombay 7A		2.98	61.95	127	118	120
Trombay 7B		1.63	34.15	69	67	60
Trombay 8		5.52	113.68	250	155	250
TATA Hydro		5.99	90.70	459	0	447
		26.88	537.93			1377
REL						
1&2		12.70	264.80	530	527	500
		12.70	264.80			500
Cent Sect						
Share						3557
						3557
MS PG CL	Thermal	113.68	2561.91			4890
	Thml+Gas	129.63	2849.32			5530
	Hydro	17.90	380.91			1304
	Total	147.53	3230.22			6834
State Total		246.24	5281.20			14473

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4689	155	678	5522	1361	212	999	3123	2383	-63	-75	10402	0	10402	1334	11736	49.88
2	4658	156	673	5487	1322	220	992	3075	2256	-14	-17	10260	0	10260	1250	11510	50.03
3	4686	156	680	5522	1315	232	986	3052	2542	11	-9	10588	0	10588	1218	11806	50.01
4	4671	161	678	5510	1317	254	973	3052	2736	11	11	10801	359	11160	1200	12360	49.96
5	4655	345	678	5678	1317	230	990	3054	2725	11	2	10942	1268	12210	1178	13388	49.92
6	4744	422	679	5845	1316	217	1047	2962	2742	102	65	11232	1523	12755	1289	14044	49.80
7	4738	644	678	6060	1353	205	1163	3218	2925	-45	-54	11652	2219	13871	1478	15349	49.65
8	4812	927	686	6425	1395	228	1158	3214	3236	-38	-47	12395	2212	14607	1647	16254	49.72
9	4808	1261	688	6757	1412	193	1130	3327	3414	-161	-160	12746	2365	15111	1877	16988	49.76
10	4813	1483	673	6969	1414	141	1008	3518	3521	-233	-229	12824	2319	15143	2116	17259	49.73
11	4757	1018	670	6445	1412	99	995	3722	3582	-429	-428	12105	2743	14848	2339	17187	49.71
12	4799	1014	650	6463	1413	84	956	3745	3674	-453	-468	12132	2888	15020	2388	17408	49.78
13	4773	943	648	6364	1412	92	960	3721	3740	-429	-441	12152	2904	15056	2354	17410	49.74
14	4744	853	626	6223	1412	84	988	3622	3550	-347	-356	11927	2873	14800	2244	17044	49.92
15	4756	1082	618	6456	1408	88	991	3609	3427	-402	-413	11957	2920	14877	2252	17129	49.73
16	4734	1122	624	6480	1408	78	996	3486	3710	-402	-427	12245	2949	15194	2263	17457	49.83
17	4642	1143	646	6431	1408	74	990	3486	3751	-402	-416	12238	2904	15142	2253	17395	49.87
18	4678	1068	664	6410	1409	64	956	3487	3724	-402	-408	12155	2853	15008	2247	17255	49.94
19	4763	1185	657	6605	1406	82	848	3474	3751	-426	-444	12258	3754	16012	2324	18336	49.85
20	4784	1238	660	6682	1408	90	648	3567	3474	-444	-455	11887	4168	16055	2374	18429	49.82
21	4806	802	671	6279	1388	98	665	3465	3395	-311	-309	11560	3999	15559	2216	17775	49.83
22	4776	391	677	5844	1372	83	677	3339	3131	-177	-180	10953	3938	14891	2026	16917	49.96
23	4722	166	673	5561	1367	81	673	3435	3117	-275	-256	10569	3412	13981	1788	15769	49.84
24	4670	161	677	5508	1369	106	688	3221	2848	-188	-161	10359	3367	13726	1595	15321	49.94
MUs	113.68	17.90	15.95	147.53	33.11	3.34	22.48	80.97	77.35	-5.51	-5.68	278.34	57.94	336.28	45.25	381.53	49.84

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 21/Jan/2011

Position as on 6.30 Hrs of 22/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
Paras Unit 4	250	18/01/2011	08.58		Continued.	BLR T/L.	23/01/2011
Parli Unit 5	210	19/01/2011	16.46	22/01/2011	05.19	Due to 220/6.6 KV Stn.T/F-II Tripped.	
Parli Unit 3	210	20/01/2011	05:40		Continued.	Fire On Boiler	23/01/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jan/2011

Position as on 6.30 Hrs of 22/Jan/2011

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	20/01/2011	09.29	21/01/2011	07.06	Preventative maint.work.Ready for charging 20.32 Hrs.
Kolhapur - Mapusa - I	21/01/2011	08.48		Continued.	R phase air leakage, Line taken on TBC
Padgha-Tarapur - II	21/01/2011	08.54	21/01/2011	20.16	Preventive maint.work
Lamboti - Solapur (PGCIL)	21/01/2011	17.51	21/01/2011	17.52	New Line Commissioned
Karad - Solapur (PGCIL)	21/01/2011	18.14	21/01/2011	18.15	New Line Commissioned
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	21/01/2011	10.05	21/01/2011	13.07	For TBC trial
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur - Mapusa - I	21/01/2011	03.41	21/01/2011	08.48	'R'Ph. air leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	19/01/2011	18.03		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	21/01/2011	22.00	22/01/2011	05.34	Over Voltage
Kolhapur - Mapusa - I	21/01/2011	22.19		Continued.	Over Voltage
IntraState					
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
Karad - Solapur(Lamboti)	18/01/2011	23.50	21/01/2011	17.12	Lilo of 400 KV Kard-Solapur line.
Karad - Lonikand	20/01/2011	06.33	21/01/2011	06.15	For Jaigad line stringing work.Ready for charging 20.12 Hrs.
400/220KV 315MVA ICT- I @ Kharghar	21/01/2011	08.20	21/01/2011	18.30	Retrofitting Differential Relay
Dhule - Babhaleshwar - I	21/01/2011	08.40	21/01/2011	18.17	Restranging of broken E/W
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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)
220/132KV 100 MVA ICT-I @Padegaon	26/12/2010	13.30		Continued.	ICT on TBC for Main Breaker Replacement.
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.
220/6.6KV 40MVA Stn.T/F-IV at K'Kheda	14/01/2011	12.26		Continued.	Oil Filtration work(10Days)
220/132 KV,100 MVA T/F-II @ Malegaon	19/01/2011	08.55		Continued.	Replacement of 100MVA ICT by 200MVA.
Mahape-Tifil	19/01/2011	10.07		Continued.	Dismantalling and erection of MC tower bet.loc No.42-46 and stringing of conductor.
Apta-Nagothane	21/01/2011	08.11	21/01/2011	19.38	Replacement of E/W and Insulator
Tambati-Pedambe	21/01/2011	08.15	21/01/2011	19.33	Replacement of E/W and Insulator

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jan/2011

Position as on 6.30 Hrs of 22/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Padegaon - Sawangi	21/01/2011	10.12	21/01/2011	16.28	Q.M.Work
Padgha - Nalasopara	21/01/2011	12.49	21/01/2011	20.31	Isolator work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kanhan - Bhandara	21/01/2011	08.38	21/01/2011	18.44	Replacement of E/W
Harsool - Kagzipura	21/01/2011	11.50	21/01/2011	16.28	Oil Leakage of CT
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Badnera - Akola - I	21/01/2011	11.55	21/01/2011	14.25	DCRM of Main Breaker,ckt on TBC
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Parbhani-Parthur	21/01/2011	11.07	21/01/2011	14.52	R Phase CT oil leakage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bableshtar-Aurangabad	20/01/2011	11.33	21/01/2011	19.46	H/T at BBLR end to control 400 KV BBLR ICT loading.
Bhusawal- Aurangabad	20/01/2011	21.34	21/01/2011	05.36	Over Voltage.
Karad - Kolhapur - II	20/01/2011	23.13	21/01/2011	07.52	Over Voltage.
Bhusawal- Aurangabad	21/01/2011	20.58	22/01/2011	05.24	Over Voltage
Karad - Kolhapur - II	21/01/2011	23.10		Continued.	Over Voltage
Lonikand- Koyna Stage IV	21/01/2011	23.17	22/01/2011	05.43	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).
Babaleshtar - Bhenda	10/01/2011	09.30		Continued.	To Control Babaleshtar 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.
Dhule-Chalisgaon	18/01/2011	15.53		Continued.	To control O/L of 400KV Dhule ICT's.
Aurangabad - Babaleshtar	19/01/2011	11.34	21/01/2011	19.43	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 : 220KV			Outage Type TRIPPED		
220/7 KV 35 MVA Stn.T/F-II @ Parly	19/01/2011	16.10		Continued.	LV side E/F fire in Aux.Dist.box due to burning of 2 No.feeder.
Wardha-RLY TSS I	21/01/2011	05.09	21/01/2011	14.46	M.B.PDR problem, ckt on TBC
Wardha Power - Warora-I	21/01/2011	11.10	21/01/2011	12.12	Tripped at Warora end only

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/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	190
	1040	370
Bhusawal		
Unit 1	58	
Unit 2	210	180
Unit 3	210	200
	478	380
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	0
Unit 4	210	180
Unit 5	210	0
Unit 6	250	240
Unit 7	250	0
	1190	420
Chandrapur		
Unit 1	210	155
Unit 2	210	155
Unit 3	210	200
Unit 4	210	195
Unit 5	500	450
Unit 6	500	425
Unit 7	500	375
	2340	1955
Paras		
Unit 2	55	
Unit 3	250	230
Unit 4	250	0
	555	230
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	0
	840	630
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	142
Unit 4	210	192
Unit 5	210	182
	870	678
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	660

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	660
Hydro		
KDPH	40	18
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	22
SMLHY PTN	12	11
GHATGHAR	250	0
	611	228
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	515
	0	515
Dabhol		
RGPPL	960	1500
	960	1500
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3620
	3143	3620

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