



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Jan/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.969	2233.957	1) Madhya Pradesh	44.666	748.189
2) Hydro	28.068	308.965	2) Gujrat	35.856	475.706
3) Gas	15.932	242.826	3) Goa	-5.958	-109.635
Total MSGENCO	152.969	2785.748	4) TAPS 1&2 (Inj.)	7.847	141.742
B) OTHERS			5) Pench (Excess)	-0.453	-8.075
1) RGPPL Gas	33.488	602.779	# Total Cent. Sector	81.958	1247.927
2) Wind Generation	1.498	49.666	F) Other Exchanges		
3) CPP / IPP	22.738	409.634	1) With TPCL (Excess)	-4.694	-71.764
4) PENCH (MS)	0.453	8.075	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	17.855	285.913
1) TPCL Thermal	20.735	384.383	Include PX	0.000	0.000
2) TPCL Hydro	5.903	72.791	2) MUMBAI Bilateral	4.699	73.380
TOTAL TPCL	26.638	457.174	Include PX	-1.651	-19.630
3) REL Thermal	12.680	226.712	3) MUMBAI Schedule	4.699	77.285
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	142.384	2845.052	1) MSEDCL	288.410	5032.065
2) Hydro (A2+B3+C2)	34.424	389.831	2) TPCL	29.532	505.417
3) Gas (A3+B1)	49.420	845.605	3) REL	14.475	250.201
4) Wind (B2)	1.498	49.666	TOTAL STATE	332.417	5787.683
5) CPP (B3)	22.738	409.634			
TOTAL STATE	250.464	4539.788			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4505	4509	4534
MSGENCO Hydro	2082	1916	152
MSGENCO Gas	659	658	673
MSGENCO Total Generation	7246	7083	5359
Central Sector Receipt	3907	3684	2734
RGPPL	1413	1393	1350
WIND	26	120	19
CPP / IPP	968	960	817
Exchange with Mumbai	-375	-361	7
MSEDCL DEMAND MET	13185	12904	10286
Load Shedding	2151	3499	0
MSEDCL DEMAND (INCL. LS)	15336	16403	10286
TPCL GENERATION	1371	1372	712
REL GENERATION	529	529	529
TPCL+REL DEMAND	2275	2262	1234
STATE DEMAND MET	15460	15166	11520
STATE DEMAND (INCL. LS)	17611	18665	11520
Frequency (Hz)	49.82	49.73	49.90
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3908 MW AT 19.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			58.65 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 18.01 Hrs	48.99 Hz at 21.09 Hrs	49.77	.35 % 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 18/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	3.90	55.50	176	142	140
Unit 6	0.00	0.00	0	0	0
Unit 7	4.28	63.10	200	130	140
	8.17	160.50			280
Bhusawal					
Unit 1		0.00	0	0	
Unit 2	4.11	63.49	195	130	200
Unit 3	4.23	81.70	200	155	200
	8.34	145.18			400
Parli					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	4.05	72.88	183	137	145
Unit 4	4.34	77.56	195	160	175
Unit 5	4.75	82.14	209	182	210
Unit 6	5.06	93.29	240	156	160
Unit 7	0.00	63.28	0	0	0
	18.20	389.15			690
Chandrapur					
Unit 1	3.50	66.05	159	123	160
Unit 2	3.75	51.14	162	154	150
Unit 3	4.64	78.42	203	160	200
Unit 4	4.51	75.92	193	177	200
Unit 5	10.60	188.98	485	385	425
Unit 6	11.18	187.01	480	445	480
Unit 7	0.00	169.06	0	0	0
	38.17	816.58			1615
Paras					
Unit 2		0.00	0	0	
Unit 3	3.77	78.10	175	124	170
Unit 4	1.90	86.71	242	0	230
	5.67	164.81			400
Khaparkheda					
Unit 1	4.84	87.16	210	190	210
Unit 2	4.70	84.71	204	190	210
Unit 3	4.87	86.90	216	180	210
Unit 4	0.00	12.53	0	0	0
	14.41	271.30			630
Nasik					
Unit 1	2.15	37.11	99	81	100
Unit 2	2.20	31.61	99	82	100
Unit 3	4.49	73.08	200	170	200
Unit 4	4.58	77.04	210	168	200
Unit 5	2.58	67.58	181	0	200
	15.99	286.43			800
Koyna					
Stage 1-2	5.02	64.07	525	40	600
Stage 4	13.55	115.29	1099	0	250
Stage 3	4.43	38.45	240	0	240
	23.00	217.80			1090
Kovna 12&4 Total	18.57	179.36			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.93	242.83	698	620	640
		15.93	242.83			640
Hydro						
KDPH		0.46	4.80	20	18	20
VTRNA		0.00	13.82	0	0	0
TILLARI		0.42	6.77	60	0	60
BHTGR/VEER		0.52	7.83	22	21	20
BHIRA T.R.		0.33	3.97	82	0	80
RNGR+BHTSA		0.36	6.58	15	15	15
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.54	3.47	23	22	20
SMLHY PTN		0.90	15.38	45	34	18
GHATGHAR		1.54	28.55	195	0	0
		5.07	91.16			233
PENCH (MS)						
Pench (MS)		0.45	8.08	51	0	
		0.45	8.08			
Wind						
MalharPeth		0.02	1.80			
Vankuswadi		0.07	5.00			
ATIT		0.01	0.79			
Kale		0.03	1.68			
Satara		0.02	3.19			
Shirala		0.03	1.95			
K Mahankal		0.06	2.67			
Supa		0.01	1.33			
Vita		0.18	8.80			
Dondaicha		0.73	12.28			
Sakri		0.13	2.03			
Nandurbar		0.08	1.11			
Khandke		0.13	4.36			
Khaparale		0.02	2.66			
		1.50	49.67			
CPP						
TOTAL CPP		22.74	409.63			750
		22.74	409.63			750
Dabhol						
RGPPL		33.49	602.78	1496	1348	1500
		33.49	602.78			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.84	182.20	490	280	500
Trombay 6		0.00	22.73	0	0	0
Trombay 7A		2.87	53.12	129	98	120
Trombay 7B		1.60	29.28	69	59	60
Trombay 8		5.43	97.06	252	150	250
TATA Hydro		5.90	72.79	459	0	447
		26.64	457.17			1377
REL						
1&2		12.68	226.71	530	527	500
		12.68	226.71			500
Cent Sect						
Share						3458
						3458
MS PG CL	Thermal	108.97	2233.96			4815
	Thml+Gas	124.90	2476.78			5455
	Hydro	28.07	308.96			1323
	Total	152.97	2785.75			6778
State Total		250.46	4539.79			14363

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4590	156	672	5418	1350	24	812	3165	2817	-43	-44	10377	0	10377	1329	11706	49.80
2	4534	152	673	5359	1350	19	817	2798	2734	2	7	10286	0	10286	1234	11520	49.90
3	4512	171	675	5358	1350	34	817	2743	2908	27	32	10499	0	10499	1143	11642	49.98
4	4513	197	677	5387	1348	55	833	2743	2951	27	28	10602	1095	11697	1128	12825	50.03
5	4464	324	688	5476	1348	46	845	2743	3070	27	28	10813	1215	12028	1138	13166	49.91
6	4507	742	690	5939	1382	48	952	3017	3275	27	33	11629	1522	13151	1233	14384	49.76
7	4616	1337	698	6651	1401	49	1008	3209	3089	-1	-17	12181	1648	13829	1453	15282	49.68
8	4662	1774	698	7134	1405	61	1037	3203	3126	12	-6	12783	1908	14691	1633	16324	49.62
9	4688	1869	694	7251	1407	47	1044	3315	3494	-113	-107	13162	1874	15036	1819	16855	49.90
10	4496	2180	675	7351	1409	34	947	3515	3568	-190	-179	13140	1869	15009	2071	17080	49.76
11	4505	2082	659	7246	1413	26	968	3703	3907	-381	-375	13185	2151	15336	2275	17611	49.82
12	4495	1803	642	6940	1404	34	983	3748	3890	-430	-422	12829	2263	15092	2325	17417	49.73
13	4557	1737	633	6927	1398	44	994	3731	3935	-408	-415	12934	2237	15171	2283	17454	49.74
14	4575	1504	628	6707	1397	46	1000	3556	3986	-276	-289	12898	2197	15095	2155	17250	49.88
15	4545	1510	625	6680	1394	48	1001	3531	3824	-331	-339	12659	2235	14894	2213	17107	49.76
16	4479	1653	620	6752	1393	46	990	3405	3855	-331	-335	12752	2321	15073	2204	17277	49.81
17	4483	1582	626	6691	1391	55	994	3405	3784	-331	-340	12575	2546	15121	2206	17327	49.76
18	4468	1621	651	6740	1392	70	980	3380	3967	-303	-315	12834	2643	15477	2185	17662	49.83
19	4509	1916	658	7083	1393	120	960	3389	3684	-350	-361	12904	3499	16403	2262	18665	49.73
20	4606	1585	661	6852	1392	118	964	3460	3288	-337	-354	12286	3740	16026	2268	18294	49.72
21	4570	1006	667	6243	1390	128	959	3335	3506	-209	-203	12057	3554	15611	2118	17729	49.64
22	4468	666	673	5807	1389	144	977	3443	3417	-366	-340	11445	3551	14996	2051	17047	49.64
23	4560	325	672	5557	1496	90	945	3221	2974	-230	-228	10885	3425	14310	1711	16021	49.59
24	4575	176	677	5428	1496	112	911	3113	2908	-193	-153	10702	366	11068	1575	12643	49.59
MUs	108.98	28.07	15.93	152.98	33.49	1.50	22.74	78.87	81.96	-4.70	-4.69	288.42	47.86	336.28	44.01	380.29	49.77

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 18/Jan/2011

Position as on 6.30 Hrs of 19/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	19/01/2011
Nasik Unit 5	210	15/01/2011	21:10	18/01/2011	05.35	Boiler Tube Leakage.	
Chandrapur Unit 7	500	17/01/2011	10.17		Continued.	Boiler Tube Leakage.	20/01/2011
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		Continued.	Fuel shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jan/2011

Position as on 6.30 Hrs of 19/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/01/2011	21.46	18/01/2011	12.38	Over Voltage.
Dhule-Sar'Sarovar - I	17/01/2011	22.38		Continued.	Over Voltage.
Kolhapur - Mapusa - II	17/01/2011	23.14		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
Dabhol - New Koyna - I	18/01/2011	08.00	18/01/2011	18.45	Cold line washing of insulators.
Chandrapur-B' vati II	18/01/2011	10.04	18/01/2011	16.04	Maintenance work.
Jejuri 406 Breaker	18/01/2011	11.15	18/01/2011	13.54	Demo & CT analyser kit.
Dabhol-Nagothane - II	18/01/2011	16.50		Continued.	Taken on TBC, For attending SF-6 gas leakage at Dabhol end.
Karad - Solapur(Lamboti)	18/01/2011	23.50		Continued.	Lilo of 400 KV Kard-Solapur line.
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)
220/132 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)
220/132 KV,200 MVA T/F AT Tilwani	17/01/2011	11.30	18/01/2011	02.35	For Attending Oil Leakage.
Kalwa I-Taloja	18/01/2011	07.05	18/01/2011	19.33	Replacement of damaged & bent tower at Loc.No.675.
Borivali-Mulund	18/01/2011	07.15	18/01/2011	15.36	Taking trial of TBC.
Apta-Kalwa	18/01/2011	08.50	18/01/2011	20.20	Replacement of damaged & bent tower at Loc.No.675.
Yavatmal-Pusad	18/01/2011	11.03	18/01/2011	15.33	Attending B-Ph CT leakage.
Karad-Sada Waghapur	18/01/2011	13.00	18/01/2011	16.08	Maintenance work.
Vankushwadi - MIDC Satara - I	18/01/2011	14.30	18/01/2011	17.46	Replacement of Y-Ph LA at Satara.
Apta-Nagothane	18/01/2011	14.50	18/01/2011	20.03	Taken on TBC due to bus outage.
220KV B Bus at Nagothane	18/01/2011	14.52	18/01/2011	19.47	Maintenance and Testing Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Mhasale	18/01/2011	09.15	18/01/2011	17.15	Maintenance work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV,200MVA ICT-I at Malegaon	18/01/2011	13.16	18/01/2011	15.04	For adjusting CT Clamp at 132KV Incomer I.
220/100KV 100 MVA ICT-	18/01/2011	17.50	18/01/2011	19.15	To attend LV side CB problem.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jan/2011

Position as on 6.30 Hrs of 19/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
I @ Tambati					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	17/01/2011	17.45	19/01/2011	06.23	Over Voltage.
Bhusawal- Aurangabad	17/01/2011	20.42	18/01/2011	05.25	Over Voltage.
Own Brekar @ Kolhapur-Mapusa-I	18/01/2011	03.52		Continued.	Low Air Pressure of Main C B.On TBC.
Bhusawal- Aurangabad	18/01/2011	21.28	19/01/2011	04.46	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.
Dhule-Chalisgaon	15/01/2011	07.18	18/01/2011	13.37	To control load on Dhule ICT
Aurangabad - Babaleshwar	17/01/2011	07.55		Continued.	Due to ICT Over Loading.
Dhule-Chalisgaon	18/01/2011	15.53		Continued.	To control O/L of 400KV Dhule ICT's.
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		
220/132KV 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.
Dhule - Malegaon	18/01/2011	13.26	18/01/2011	13.43	Distance Protection.
220/132 KV, 100 MVA ICT - II @ Beed.	18/01/2011	16.37	18/01/2011	17.09	O/L,O/C.
220/132KV 200MVA ICT @ Beed	18/01/2011	16.37	18/01/2011	17.09	O/L,O/C.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/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	166
Unit 6	210	0
Unit 7	210	198
	1040	364
Bhusawal		
Unit 1	58	
Unit 2	210	200
Unit 3	210	200
	478	400
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	165
Unit 4	210	195
Unit 5	210	205
Unit 6	250	220
Unit 7	250	0
	1190	785
Chandrapur		
Unit 1	210	160
Unit 2	210	155
Unit 3	210	200
Unit 4	210	200
Unit 5	500	475
Unit 6	500	475
Unit 7	500	0
	2340	1665
Paras		
Unit 2	55	
Unit 3	250	145
Unit 4	250	0
	555	145
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	210
	870	810
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Uran		
All Units	852	675

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	675
Hydro		
KDPH	40	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	208
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	705
	0	705
Dabhol		
RGPPL	960	1470
	960	1470
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	110
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	3378
	3143	3378

	17376	7 of 7 14122
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