



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Jan/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.798	1907.351	1) Gujrat	5.609	70.164
2) Hydro	11.198	161.495	2) Madhya Pradesh	19.884	359.901
3) Gas	12.025	243.477	3) Chattisgarh	11.740	212.800
Total MSGENCO	140.021	2312.323	4) Maharashtra	52.079	825.808
B) OTHERS			5) Goa	-5.326	-94.295
1) JSW JAIGAD	25.350	403.888	6) TAPS 1&2 Injection	7.795	132.567
2) WPCL	7.334	135.333	7) RGPPL Injection	24.933	426.315
3) Other CPP / IPP	6.217	110.440	8) Pench (Excess)	-0.046	-5.836
4) Wind Generation	5.075	59.329	# Total Cent. Sector	116.668	1927.424
5) PENCH (MS)	0.497	7.749	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.011	-81.523
1) TPCL Thermal	18.232	381.695	G) Bilateral Power *		
2) TPCL Hydro	5.711	60.976	1) MSEDCL Bilateral	37.783	693.414
TOTAL TPCL	23.943	442.671	Include PX	2.060	50.742
3) REL Thermal	10.783	207.851	2) MUMBAI Bilateral	8.789	129.490
D) STATE			Include PX	-3.182	-59.981
1) Thermal (A1+C1+C3)	145.813	2496.897	3) MUMBAI Schedule	10.127	130.827
2) Hydro (A2+B5+C2)	17.406	230.220	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.025	243.477	1) MSEDCL	291.151	4874.963
4) Wind (B4)	5.075	59.329	2) TPCL	29.774	491.593
5) CPP (B1+B2+B3)	38.901	649.661	3) REL	14.956	240.487
TOTAL STATE	219.220	3679.584	TOTAL STATE	335.881	5607.043

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	4774	5140	4778
MSGENCO Hydro	1036	460	159
MSGENCO Gas	488	503	507
MSGENCO Total Generation	6298	6103	5444
Central Sector Receipt	5634	5377	4044
WIND	114	315	131
CPP / IPP	1725	1728	1453
Exchange with Mumbai	-486	-752	-124
MSEDCL DEMAND MET	13305	12821	10948
Load Shedding (LS)	1839	477	0
MSEDCL DEMAND (INCL. LS)	15144	13298	10948
TPCL GENERATION	1350	1269	497
REL GENERATION	527	265	529
TPCL+REL DEMAND	2363	2286	1150
STATE DEMAND MET	15668	15107	12098
Load Management (LM)	2284	3697	1784
Total Load Relief (LS+LM)	4123	4174	1784
UNRESTRICTED STATE DEMAND	19791	19281	13882
Frequency (Hz)	49.68	49.69	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 03:46 Hrs	49.19 Hz at 09:12 Hrs	49.8	.06 % 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 17/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	22.49	0	0	0
Unit 6	0.00	30.65	0	0	0
Unit 7	3.38	69.47	182	130	160
Total	3.38	122.61			160
Bhusawal					
Unit 2	0.15	52.14	70	0	0
Unit 3	4.24	73.16	190	155	180
Unit 4	0.00	0.00	0	0	0
Total	4.38	125.29			180
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.20	72.50	180	160	175
Unit 5	3.70	43.37	163	140	160
Unit 6	4.11	76.71	205	126	180
Unit 7	3.89	74.56	194	114	115
Total	15.90	267.14			630
Chandrapur					
Unit 1	3.64	62.12	158	145	155
Unit 2	3.81	62.81	164	150	155
Unit 3	3.94	64.53	184	142	180
Unit 4	5.04	86.05	214	200	210
Unit 5	8.58	96.26	380	315	350
Unit 6	9.73	172.66	435	380	425
Unit 7	11.45	158.46	500	447	475
Total	46.20	702.89			1950
Paras					
Unit 3	4.85	92.76	243	158	250
Unit 4	4.87	89.77	244	178	180
Total	9.72	182.53			430
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.45	75.37	192	177	180
Unit 3	5.31	78.57	223	216	195
Unit 4	5.08	85.38	222	187	190
Unit 5	8.73	53.72	459	196	0
Total	23.56	293.03			565
Nasik					
Unit 3	4.94	84.82	215	180	210
Unit 4	4.24	82.63	210	0	200
Unit 5	4.48	46.42	204	168	190
Total	13.66	213.87			600
Uran					
All Units	12.02	243.48	515	486	500
Total	12.02	243.48			500
PENCH (MS)					
Pench (MS)	0.50	7.75	50	0	0
Total	0.50	7.75			0
Koyna					
Stage 1-2	2.48	37.16	320	40	600
Stage 4	1.14	11.26	230	0	250
Stage 3	0.78	11.54	138	0	320
Total	4.40	59.95			1170
Kovna 12&4 Total	3.61	48.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.69	8.61	38	19	18
VTRNA	0.74	16.09	61	0	60
TILLARI	0.40	6.89	60	0	60
BHTGR/VEER	0.48	8.00	20	19	20
BHIRA T.R.	0.26	3.01	81	0	80
RNGR+BHTSA	0.36	6.18	15	15	15
BHANDARDRA	0.58	0.96	25	24	0
ELDARY	0.00	1.53	0	0	0
SMLHY PTN	1.05	18.33	52	40	60
GHATGHAR	2.24	31.94	250	0	0
Total	6.80	101.54			313
Wind					
MalharPeth	0.12	2.47			
Vankuswadi	0.18	4.12			
ATIT	0.01	0.64			
Kale	0.09	1.52			
Satara	0.43	7.64			
Shirala	0.11	1.62			
K Mahankal	0.01	3.78			
Supa	0.08	1.47			
Vita	0.26	8.62			
Dondaicha	2.53	17.22			
Sakri	0.45	2.52			
Nandurbar	0.22	1.57			
Khandke	0.25	3.34			
Khaparale	0.34	2.80			
Total	5.08	59.33			
CPP					
JSW JAIGAD	25.35	403.89	1217	712	1100
WARDHA	7.33	135.33	337	261	330
Other CPPs	6.22	110.44			
Total	38.90	649.66			1430
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	8.97	114.93	502	156	500
Trombay 7A	2.23	48.56	130	69	120
Trombay 7B	1.41	27.21	69	51	60
Trombay 8	5.62	93.71	251	174	250
TATA Hydro	5.71	60.98	459	0	447
Total	23.94	442.67			1377
REL					
1&2	10.78	207.85	529	263	500
Total	10.78	207.85			500
Cent Sect					
Share					5321
Total					5321

MS PG CL	Thermal	116.80	1907.35			4515
	Thml+Gas	128.82	2150.83			5015
	Hydro	11.20	161.50			1483
	Total	140.02	2312.32			6498
State Total		219.22	3679.58			15126

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Jan/2012

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	4802	223	499	5524	218	1537	4100	4058	-213	-346	10991	2146	10991	1359	14496	49.88
2	4796	164	507	5467	158	1446	4126	4164	-153	-245	10990	2069	10990	1237	14296	49.94
3	4778	159	507	5444	131	1453	4163	4044	-153	-124	10948	1784	10948	1150	13882	50.11
4	4799	159	508	5466	131	1429	4153	4276	-142	-35	11267	1899	11267	1088	14254	50.10
5	4746	164	508	5418	175	1450	4167	4413	-161	-80	11376	1892	11376	1145	14413	49.93
6	4719	189	508	5416	213	1627	4750	4821	-147	-115	11962	2014	12008	1288	15264	49.79
7	4771	349	515	5635	223	1771	4582	4575	-72	-189	12042	3155	13024	1521	16718	49.65
8	4809	579	515	5903	204	1807	4627	4977	-141	-143	12774	3820	14075	1701	18295	49.70
9	4887	844	508	6239	103	1738	4684	4993	-220	-312	12786	3947	14281	1952	18685	49.78
10	4882	1129	496	6507	74	1688	4974	5061	-444	-403	12957	4129	14763	2185	19271	49.63
11	4825	977	492	6294	66	1733	5362	5533	-512	-522	13151	4130	15030	2352	19633	49.73
12	4774	1036	488	6298	114	1725	5481	5634	-642	-486	13305	4123	15144	2363	19791	49.68
13	4793	846	487	6126	156	1754	5464	5513	-626	-518	13054	4226	15014	2316	19596	49.78
14	4809	576	487	5872	196	1746	5368	5515	-529	-440	12912	3934	14626	2195	19041	49.79
15	4664	627	486	5777	241	1729	5335	5547	-508	-485	12832	3617	14362	2247	18696	49.69
16	4629	824	506	5959	253	1748	5251	5190	-508	-486	12677	3712	14383	2237	18626	49.69
17	4692	232	500	5424	232	1731	5012	4979	-677	-552	11831	4198	13590	2219	18248	49.76
18	4885	203	502	5590	259	1723	4883	4530	-692	-684	11441	4177	12700	2216	17834	49.83
19	5004	411	504	5919	324	1762	5107	5024	-750	-710	12366	4364	13084	2276	19006	49.74
20	5140	460	503	6103	315	1728	5324	5377	-804	-752	12821	4174	13298	2286	19281	49.69
21	5141	319	502	5962	374	1615	5221	4937	-682	-649	12289	4034	12646	2165	18488	49.73
22	5153	249	500	5902	306	1511	4519	4473	-534	-579	11638	3833	11814	1953	17424	49.84
23	5181	242	503	5926	310	1255	4477	4445	-469	-608	11352	3524	11488	1797	16673	49.86
24	5119	237	494	5850	299	1195	4429	4589	-349	-548	11389	2872	11502	1489	15750	49.95
MUs	116.80	11.20	12.02	140.02	5.08	38.90	115.56	116.67	-10.13	-10.01	291.15	81.77	312.40	44.74	417.66	49.80

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 17/Jan/2012

Position as on 6.30 Hrs of 18/Jan/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	18/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	Annual Overhaul.	18/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37		Continued.	Annual Overhaul	10/02/2012
Koyna ST - IV 3	250	07/01/2012	15.45		Continued.	Spherical Oil Tank Level Increased.	22/01/2012
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Koradi Unit 5	200	11/01/2012	00.12		Continued.	W/Dn,by Mahagenco.	
Koradi Unit 6	210	11/01/2012	00.20		Continued.	W/Dn,by Mahagenco.	
Bhusawal Unit 2	210	15/01/2012	18.42	17/01/2012	21.10	Boiler Tube Leakage.	
CPP WPCL U-3	135	17/01/2012	01.06		Continued.	Filter replacement	18/01/2012
Nasik Unit 4	210	17/01/2012	14.16	17/01/2012	17.10	Furnace draught.	
REL 2	250	17/01/2012	17.00		Continued.	Boiler Tube Leakage.	20/01/2012
CPP JSW (J) U2	300	17/01/2012	22.27		Continued.	Turbine lube oil system problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jan/2012

Position as on 6.30 Hrs of 18/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parly(PG) - Wardha (PG) - I	11/01/2012	18.16		Continued.	Over Voltage.
Parli (PG)-Bhadravati I	11/01/2012	21.56		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - I	13/01/2012	21.42		Continued.	Over Voltage.
Akola - Wardha - I	16/01/2012	21.13		Continued.	Over Voltage.
Kolhapur - Mapusa - II	16/01/2012	21.18		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	16/01/2012	21.19	17/01/2012	07.14	Over Voltage.
Akola - Aurangabad - I	16/01/2012	21.54	17/01/2012	07.36	Over Voltage.
Dhule-Sar'Sarovar - II	16/01/2012	22.41	17/01/2012	13.35	Over Voltage.
Dhule-Sar'Sarovar - I	17/01/2012	13.36		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.up to 18.01.2012
Karad-Jaigad I	16/01/2012	11.16	17/01/2012	08.55	Crimping of repair sleeve over damage conductor.
400/220 KV 300 MVA ICT-I @ Koradi	17/01/2012	10.45		Continued.	BCU SCADA Work.
Auxillary Bus at Dhule	17/01/2012	14.10		Continued.	For stringing of extension of 400KV Aux.transfer bus under AUG of new 500 MVA ICT.
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	17/01/2012	15.38	17/01/2012	19.11	Testing Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 16.01.2012.
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Main Bus-I at Koradi.	12/01/2012	11.54		Continued.	Replacement of 29A Isolator
Chandrapur-Wani	15/01/2012	08.02		Continued.	Dismantling of Existing Towers No.33 & 44 of 220KV Chandrapur-Warora,Erection of Tower @ Loc No.25,26,Stringing Bet.Existing Tower No.45 to New Loc No.25,26.
Chandrapur-Warora	15/01/2012	08.12		Continued.	Dismantling of Existing Towers No.33 & 44 of 220KV Chandrapur-Warora,Erection of Tower @ Loc No.25,26,Stringing Bet.Existing Tower

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jan/2012

Position as on 6.30 Hrs of 18/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					New Loc No.25,26.
220/100KV 200 MVA ICT III at Borivali	16/01/2012	02.40		Continued.	Taken on TBC.
Pedambe - Karad	17/01/2012	08.57	17/01/2012	19.36	CT replacement work.
Chandrapur - Rly TSS - I	17/01/2012	09.42		Continued.	Maintenance of B ph. pole(Ckt.will be charged through TBC.)
Karad - Vita - I	17/01/2012	10.07	17/01/2012	14.13	Q.M.Work
Mahad-Pasco	17/01/2012	10.42	17/01/2012	17.12	R.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
400/220KV 500MVA ICT-III at Dhule	07/01/2012	20.04		Continued.	Due to MCCB of Diff. Relay Burnt.
Karad-Kolhapur-II	14/01/2012	18.07	17/01/2012	09.28	Over Voltage.
Bhusawal- Aurangabad	16/01/2012	16.39	17/01/2012	09.08	Over Voltage.
Bhusawal- Aurangabad	17/01/2012	16.41		Continued.	Over Voltage.
Karad - Kolhapur - I	17/01/2012	21.17		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora,Hinganghat -Warora.L/L.
Padgha - Temghar - II	17/01/2012	19.20	17/01/2012	20.21	H/T to control Padgha ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 500 MVA ICT-I @ Jejuri	17/01/2012	16.16	17/01/2012	16.50	Differential protection.
400/220 KV 315 MVA ICT-III @ Lonikand.	17/01/2012	16.16	17/01/2012	23.25	B ph.HV side LA Burst.
Kalwa - Lonikand	18/01/2012	02.23		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Tifil-Trombay	17/01/2012	05.58	17/01/2012	06.25	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	150
	620	150
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	175
Unit 5	210	150
Unit 6	250	155
Unit 7	250	180
	1130	660
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	475
	2340	2020
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	0
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	620
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	500
	852	500
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	36
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	25
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	307
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	825
WARDHA	405	320
Other CPPs	0	
	1005	1145
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5240
	3455	5240

	17900	7 of 7 14879
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