



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Jan/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.724	2124.988	1) Madhya Pradesh	40.857	703.523
2) Hydro	24.838	280.897	2) Gujrat	35.123	439.850
3) Gas	16.022	226.894	3) Goa	-6.292	-103.677
Total MSGENCO	155.584	2632.779	4) TAPS 1&2 (Inj.)	7.890	133.895
B) OTHERS			5) Pench (Excess)	-0.378	-7.622
1) RGPPL Gas	33.587	569.291	# Total Cent. Sector	77.200	1165.969
2) Wind Generation	1.452	48.168	F) Other Exchanges		
3) CPP / IPP	21.738	386.896	1) With TPCL (Excess)	-4.254	-67.070
4) PENCH (MS)	0.378	7.622	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	17.810	267.465
1) TPCL Thermal	20.041	363.648	Include PX	0.000	0.000
2) TPCL Hydro	6.157	66.888	2) MUMBAI Bilateral	4.266	68.681
TOTAL TPCL	26.198	430.536	Include PX	-1.857	-17.979
3) REL Thermal	12.675	214.032	3) MUMBAI Schedule	4.266	71.626
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	147.440	2702.668	1) MSEDCL	285.685	4743.655
2) Hydro (A2+B3+C2)	31.373	355.407	2) TPCL	28.986	475.885
3) Gas (A3+B1)	49.609	796.185	3) REL	14.140	235.726
4) Wind (B2)	1.452	48.168	TOTAL STATE	328.811	5455.266
5) CPP (B3)	21.738	386.896			
TOTAL STATE	251.612	4289.324			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4619	4615	5075
MSGENCO Hydro	1705	1666	158
MSGENCO Gas	655	660	690
MSGENCO Total Generation	6979	6941	5923
Central Sector Receipt	3842	3376	1969
RGPPL	1410	1367	1392
WIND	43	35	111
CPP / IPP	904	841	890
Exchange with Mumbai	-371	-352	10
MSEDCL DEMAND MET	12807	12258	10295
Load Shedding	2226	3682	0
MSEDCL DEMAND (INCL. LS)	15033	15940	10295
TPCL GENERATION	1365	1358	634
REL GENERATION	528	527	529
TPCL+REL DEMAND	2264	2237	1153
STATE DEMAND MET	15071	14495	11448
STATE DEMAND (INCL. LS)	17297	18177	11448
Frequency (Hz)	49.79	49.81	50.00
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3840 MW AT 18.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			52.03 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 18.00 Hrs	49.12 Hz at 07.22 Hrs	49.84	.2 % 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/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	3.91	51.60	172	149	165
Unit 6	0.00	0.00	0	0	0
Unit 7	4.15	58.82	180	160	180
	8.06	152.32			345
Bhusawal					
Unit 1		0.00	0	0	
Unit 2	3.92	59.38	175	130	200
Unit 3	4.60	77.46	210	155	200
	8.52	136.84			400
Parli					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	4.13	68.83	189	146	170
Unit 4	4.35	73.22	195	140	200
Unit 5	4.64	77.39	212	172	200
Unit 6	5.27	88.23	245	174	230
Unit 7	0.00	63.28	0	0	0
	18.38	370.95			800
Chandrapur					
Unit 1	3.67	62.56	161	145	160
Unit 2	3.67	47.39	162	141	160
Unit 3	4.59	73.78	204	170	200
Unit 4	4.50	71.41	192	168	195
Unit 5	10.61	178.38	480	385	475
Unit 6	11.25	175.83	485	429	475
Unit 7	4.56	169.06	477	0	480
	42.85	778.40			2145
Paras					
Unit 2		0.00	0	0	
Unit 3	3.60	74.32	170	131	140
Unit 4	5.63	84.81	246	225	230
	9.22	159.14			370
Khaparkheda					
Unit 1	4.96	82.32	210	200	210
Unit 2	4.77	80.00	205	183	210
Unit 3	4.75	82.03	215	159	210
Unit 4	0.00	12.53	0	0	0
	14.49	256.89			630
Nasik					
Unit 1	2.01	34.96	96	55	100
Unit 2	2.15	29.42	100	81	100
Unit 3	4.50	68.60	200	170	190
Unit 4	4.55	72.47	200	177	190
Unit 5	0.00	65.00	0	0	0
	13.20	270.44			580
Koyna					
Stage 1-2	3.86	59.05	460	35	530
Stage 4	12.57	101.73	1209	0	250
Stage 3	2.64	34.02	240	0	240
	19.07	194.80			1020
Kovna 12&4 Total	16.43	160.78			780

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.02	226.89	693	630	530
		16.02	226.89			530
Hydro						
KDPH		0.46	4.34	20	19	20
VTRNA		0.00	13.82	0	0	0
TILLARI		0.42	6.36	60	0	60
BHTGR/VEER		0.52	7.31	22	21	22
BHIRA T.R.		0.24	3.64	74	0	80
RNGR+BHTSA		0.41	6.22	18	17	17
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.54	2.93	24	20	20
SMLHY PTN		1.10	14.48	54	42	13
GHATGHAR		2.07	27.00	250	0	0
		5.77	86.10			232
PENCH (MS)						
Pench (MS)		0.38	7.62	53	0	
		0.38	7.62			
Wind						
MalharPeth		0.03	1.78			
Vankuswadi		0.08	4.93			
ATIT		0.01	0.78			
Kale		0.04	1.66			
Satara		0.02	3.17			
Shirala		0.03	1.92			
K Mahankal		0.11	2.61			
Supa		0.01	1.32			
Vita		0.30	8.62			
Dondaicha		0.57	11.56			
Sakri		0.07	1.90			
Nandurbar		0.04	1.03			
Khandke		0.10	4.23			
Khaparale		0.03	2.64			
		1.45	48.17			
CPP						
TOTAL CPP		21.74	386.90			750
		21.74	386.90			750
Dabhol						
RGPPL		33.59	569.29	1525	1334	1580
		33.59	569.29			1580
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.62	171.36	490	275	500
Trombay 6		0.00	22.73	0	0	0
Trombay 7A		2.48	50.25	128	97	120
Trombay 7B		1.48	27.68	68	60	60
Trombay 8		5.46	91.63	252	155	250
TATA Hydro		6.16	66.89	459	0	447
		26.20	430.54			1377
REL						
1&2		12.68	214.03	530	526	500
		12.68	214.03			500
Cent Sect						
Share						3441
						3441
MS PG CL	Thermal	114.72	2124.99			5270
	Thml+Gas	130.75	2351.88			5800
	Hydro	24.84	280.90			1252
	Total	155.58	2632.78			7052
State Total		251.61	4289.32			14700

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	5105	168	682	5955	1389	110	886	2656	2145	-12	-18	10467	0	10467	1246	11713	49.84
2	5075	158	690	5923	1392	111	890	2569	1969	12	10	10295	0	10295	1153	11448	50.00
3	5063	162	691	5916	1395	87	870	2545	2225	37	39	10532	3	10535	1105	11640	50.13
4	5056	162	692	5910	1395	110	871	2545	2444	37	36	10766	167	10933	1083	12016	50.06
5	5075	162	691	5928	1397	107	869	2605	2529	37	35	10865	905	11770	1083	12853	50.00
6	5100	164	692	5956	1525	115	974	3078	2455	37	36	11061	1568	12629	1151	13780	49.81
7	5088	208	693	5989	1524	94	1038	3194	2940	9	7	11592	1746	13338	1386	14724	49.64
8	5125	911	692	6728	1488	163	1048	3189	3195	15	16	12638	1746	14384	1553	15937	49.62
9	5111	1532	691	7334	1403	106	1030	3299	3294	-107	-99	13092	1856	14948	1833	16781	49.73
10	4984	1839	678	7501	1407	96	925	3500	3507	-186	-182	13254	1930	15184	2051	17235	49.77
11	4619	1705	655	6979	1410	43	904	3684	3842	-376	-371	12807	2226	15033	2264	17297	49.79
12	4544	1580	644	6768	1412	24	908	3734	3990	-430	-444	12658	2284	14942	2296	17238	49.82
13	4549	1784	644	6977	1412	19	920	3707	3895	-403	-390	12833	2228	15061	2252	17313	49.85
14	4571	1508	641	6720	1395	17	919	3561	3906	-294	-293	12664	2156	14820	2157	16977	49.95
15	4652	1909	634	7195	1386	17	922	3513	3652	-321	-321	12876	2268	15144	2197	17341	49.79
16	4618	1723	630	6971	1380	20	927	3386	3559	-321	-319	12590	2385	14975	2184	17159	49.77
17	4564	1558	643	6765	1364	15	927	3388	3844	-321	-314	12621	2473	15094	2177	17271	49.76
18	4500	1713	660	6873	1366	13	928	3362	4074	-294	-286	13021	2674	15695	2162	17857	49.95
19	4544	1657	662	6863	1367	25	862	3378	3518	-342	-353	12335	3591	15926	2220	18146	49.84
20	4615	1666	660	6941	1367	35	841	3451	3376	-336	-352	12258	3682	15940	2237	18177	49.81
21	4594	1360	659	6613	1366	33	825	3324	3252	-202	-204	11936	3516	15452	2087	17539	49.71
22	4583	655	665	5903	1365	35	828	3311	3264	-116	-118	11302	3446	14748	1942	16690	49.86
23	4530	359	666	5555	1334	30	813	3415	3277	-225	-219	10815	3246	14061	1741	15802	49.72
24	4459	195	667	5321	1348	27	813	3223	3048	-162	-150	10407	0	10407	1577	11984	49.82
MUs	114.7 2	24.84	16.02	155.58	33.59	1.45	21.74	77.62	77.20	-4.27	-4.25	285.68	46.10	331.78	43.14	374.92	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 17/Jan/2011

Position as on 6.30 Hrs of 18/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	17/01/2011
Nasik Unit 5	210	15/01/2011	21:10	18/01/2011	05.35	Boiler Tube Leakage.	
Koyna Unit 4	75	16/01/2011	05.35	17/01/2011	18.00	Main Bus-I outage at Pophali	
Koyna Unit 12	80	17/01/2011	07.05	17/01/2011	17.40	Bus Section - II Outage.	
Chandrapur Unit 7	500	17/01/2011	10.17		Continued.	Boiler Tube Leakage.	20/01/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jan/2011

Position as on 6.30 Hrs of 18/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		
Kolhapur - Mapusa - I	16/01/2011	21.44	17/01/2011	07.20	Over Voltage.Taken on TBC @ 03.52 Due to Bkr Problem @ Kolhapur.
Dhule-Sar'Sarovar - I	16/01/2011	21.46	17/01/2011	12.19	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.
50 MVAR Reactor 400 KV Koradi Ckt-I @ Bhusawal-II	14/01/2011	18.48	17/01/2011	21.36	Oil Filtration work
Chandrapur - Parli - I	15/01/2011	08.43		Continued.	Attending R phase pole oil leakage,line on TBC
Dabhol - New Koyna - I	17/01/2011	08.17	17/01/2011	18.06	Cold Line Washing of Insulators.
Karad - Kolhapur - II	17/01/2011	11.05	17/01/2011	17.45	Faulty Insulator Replacement.
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
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)
Bus Section - II @ Pedambe	17/01/2011	08.16	17/01/2011	17.10	Replacement of Insulator.
220/132 KV 100 MVA ICT @ Shahada	17/01/2011	10.00	17/01/2011	14.00	Attending Oil Leakage in ICT & y Ph.CT.
Bus Section @ Tilawani	17/01/2011	10.12	17/01/2011	18.35	Conductor Restrtringing of 220 KV Main Bus in Section - II.
Talangade - Mumewadi	17/01/2011	10.28	17/01/2011	13.43	Q.M.Work.
220/132 KV,200 MVA T/F AT Tilwani	17/01/2011	11.30	18/01/2011	02.35	For Attending Oil Leakage.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 300 MVA ICT-I @ Koradi	17/01/2011	16.28	17/01/2011	16.55	To Attend Buchholz Alaram Indication.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	16/01/2011	20.35	17/01/2011	07.28	Over Voltage.
Karad - Kolhapur - II	16/01/2011	21.47	17/01/2011	06.19	Over Voltage.
Karad-Kolhapur-II	17/01/2011	17.45		Continued.	Over Voltage.
Bhusawal- Aurangabad	17/01/2011	20.42	18/01/2011	05.25	Over Voltage.
Koradi - Bhusawal	17/01/2011	21.17	17/01/2011	21.36	To Take Reactor in Service.
Own Brekar @ Kolhapur-	18/01/2011	03.52		Continued.	Low Air Pressure of Main C B.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jan/2011

Position as on 6.30 Hrs of 18/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Mapusa-I					
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
Dhule-Chalisingaon	15/01/2011	07.18		Continued.	To control load on Dhule ICT
Aurangabad - Babaleshwar	16/01/2011	08.13	17/01/2011	07.37	To Control Bblsr ICT Loading.
Pedambe - Pophali - II	17/01/2011	06.44	17/01/2011	17.55	For Bus Outage @ Pedambe.
Pedambe - Tambati	17/01/2011	06.48	17/01/2011	19.15	For Bus Outage @ Pedambe.
Karad-Pedambe	17/01/2011	06.50	17/01/2011	17.27	For Bus Outage @ Pedambe.
Aurangabad - Babaleshwar	17/01/2011	07.55		Continued.	Due to ICT Over Loading.
Tilawani-Miraj	17/01/2011	10.00	17/01/2011	18.32	Main Bus Outage.
Tilwani - Talandge - II	17/01/2011	10.07	17/01/2011	18.33	Main Bus Outage.
Tillawani-Talangade-I	17/01/2011	10.08	17/01/2011	18.32	Main Bus Outage.
220 KV Main Bus @ Tilwani	17/01/2011	10.12	17/01/2011	18.35	Main Bus Outage.
Ambazari-Wardha	17/01/2011	16.24	17/01/2011	17.04	To Control Load on 400KV Kor.ICT-2 Due to Emergency Outage on ICT-1@ Koradi.
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		
Bhusawal- Aurangabad	17/01/2011	14.34	17/01/2011	14.49	Direct Trip Received @ Bhusawal.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/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	140
Unit 6	210	0
Unit 7	210	140
	1040	280
Bhusawal		
Unit 1	58	
Unit 2	210	200
Unit 3	210	200
	478	400
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	145
Unit 4	210	175
Unit 5	210	210
Unit 6	250	160
Unit 7	250	0
	1190	690
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	480
Unit 7	500	0
	2340	1615
Paras		
Unit 2	55	
Unit 3	250	170
Unit 4	250	230
	555	400
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	0
	840	630
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	200
Unit 4	210	200
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	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	20
SMLHY PTN	12	18
GHATGHAR	250	0
	611	233
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	750
	0	750
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	3458
	3143	3458

	17376	7 of 7	14363
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