



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Apr/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.486	2087.340	1) Gujrat	10.928	89.539
2) Hydro	15.510	161.669	2) Madhya Pradesh	21.599	378.023
3) Gas	15.100	250.150	3) Chattisgarh	11.110	185.550
Total MSGENCO	147.096	2499.159	4) Maharashtra	64.444	991.875
B) OTHERS			5) Goa	-6.756	-114.159
1) JSW JAIGAD	19.924	439.779	6) TAPS 1&2 Injection	7.712	131.121
2) WPCL	9.194	154.589	7) RGPPL Injection	29.024	493.111
3) Other CPP / IPP	10.284	178.655	8) Pench (Excess)	-0.077	-5.190
4) Wind Generation	7.186	127.778	# Total Cent. Sector	137.984	2149.870
5) PENCH (MS)	0.077	5.190	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.348	-214.573
1) TPCL Thermal	29.972	474.681	G) Bilateral Power *		
2) TPCL Hydro	4.512	54.617	1) MSEDCL Bilateral	39.059	662.642
TOTAL TPCL	34.484	529.298	Include PX	0.000	4.811
3) REL Thermal	12.547	213.806	2) MUMBAI Bilateral	14.903	233.417
D) STATE			Include PX	2.952	36.085
1) Thermal (A1+C1+C3)	159.005	2775.827	3) MUMBAI Schedule	14.903	233.417
2) Hydro (A2+B5+C2)	20.099	221.476	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.100	250.150	1) MSEDCL	318.397	5340.447
4) Wind (B4)	7.186	127.778	2) TPCL	39.296	627.777
5) CPP (B1+B2+B3)	39.402	773.023	3) REL	21.086	329.580
TOTAL STATE	240.792	4148.254	TOTAL STATE	378.779	6297.804

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4946	4819	4704
MSGENCO Hydro	642	1358	104
MSGENCO Gas	617	620	639
MSGENCO Total Generation	6205	6797	5447
Central Sector Receipt	6449	5354	5585
WIND	80	343	429
CPP / IPP	1676	1692	1539
Exchange with Mumbai	-636	-595	-482
MSEDCL DEMAND MET	13774	13591	12518
Load Shedding	974	921	302
MSEDCL DEMAND	14748	14512	12820
TPCL GENERATION	1842	1850	876
R-INFRA GENERATION	525	522	523
TPCL+R-INFRA DEMAND	3003	2967	1881
STATE DEMAND MET	16777	16558	14399
STATE DEMAND	17751	17479	14701
Frequency (Hz)	49.74	49.76	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 17.04 Hrs	49.11 Hz at 19.10 Hrs	49.77	.24 % 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/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.98	56.55	162	100	120
Unit 6	2.79	57.45	135	0	120
Unit 7	3.39	58.04	155	120	120
Total	9.16	172.04			360
Bhusawal					
Unit 2	4.25	54.29	185	145	180
Unit 3	0.00	55.51	0	0	0
Unit 4	0.00	23.15	0	0	
Total	4.25	132.95			180
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	4.31	62.16	189	166	170
Unit 5	4.10	17.10	180	149	170
Unit 6	4.21	69.53	210	148	180
Unit 7	3.90	64.97	192	138	180
Total	16.53	225.46			700
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.80	65.47	173	137	160
Unit 3	4.47	75.37	195	174	190
Unit 4	4.09	76.36	200	123	170
Unit 5	10.62	183.34	465	380	460
Unit 6	9.88	174.79	446	285	425
Unit 7	10.02	174.76	440	388	450
Total	42.88	750.10			1855
Paras					
Unit 3	0.00	82.15	0	0	0
Unit 4	6.01	94.15	260	240	250
Total	6.01	176.30			250
Khaparkheda					
Unit 1	4.66	81.02	210	155	210
Unit 2	2.73	62.46	185	0	0
Unit 3	5.03	60.37	220	197	210
Unit 4	5.14	81.22	221	189	210
Unit 5	6.13	103.92	350	199	
Total	23.70	389.00			630
Nasik					
Unit 3	5.12	83.87	220	210	210
Unit 4	4.41	79.80	202	161	210
Unit 5	4.45	77.83	203	156	200
Total	13.97	241.50			620
Uran					
All Units	15.10	250.15	646	613	620
Total	15.10	250.15			620
PENCH (MS)					
Pench (MS)	0.08	5.19	25	0	
Total	0.08	5.19			
Koyna					
Stage 1-2	5.98	43.82	495	40	600
Stage 4	3.98	24.95	756	0	250
Stage 3	2.27	16.21	318	0	320
Total	12.23	84.98			1170
Kovna 12&4 Total	9.96	68.77			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.30	6.79	19	0	0
VTRNA	1.05	13.78	61	0	60
TILLARI	0.24	5.82	59	0	60
BHTGR/VEER	0.39	4.23	17	16	17
BHIRA T.R.	0.21	2.65	76	0	80
RNGR+BHTSA	0.30	5.17	13	12	12
BHANDARDRA	0.00	8.50	0	0	34
ELDARY	0.24	2.41	11	10	0
SMLHY PTN	0.56	12.20	31	20	20
GHATGHAR	0.00	15.14	0	0	0
Total	3.28	76.69			283
Wind					
MalharPeth	0.27	4.90			
Vankuswadi	0.42	8.16			
ATIT	0.08	1.85			
Kale	0.16	3.06			
Satara	0.31	10.58			
Shirala	0.14	2.86			
K Mahankal	0.81	5.43			
Supa	0.14	2.41			
Vita	0.58	9.38			
Dondaicha	3.04	55.33			
Sakri	0.39	8.28			
Nandurbar	0.28	5.66			
Khandke	0.35	4.62			
Khaparale	0.23	5.28			
Total	7.19	127.78			
CPP					
JSW JAIGAD	19.92	439.78	890	779	770
WARDHA	9.19	154.59	398	348	397
Other CPPs	10.28	178.66			
Total	39.40	773.02			1167
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.08	182.92	512	286	500
Trombay 6	8.39	113.79	505	156	500
Trombay 7A	2.94	49.93	125	120	120
Trombay 7B	1.64	27.77	69	67	60
Trombay 8	5.93	100.27	254	200	250
TATA Hydro	4.51	54.62	448	0	447
Total	34.48	529.30			1877
REL					
1&2	12.55	213.81	526	520	500
Total	12.55	213.81			500
Cent Sect					
Share					5373
Total					5373

MS PG CL	Thermal	116.49	2087.34			4595
	Thml+Gas	131.59	2337.49			5215
	Hydro	15.51	161.67			1453
	Total	147.10	2499.16			6668
State Total		240.79	4148.25			15585

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Apr/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4640	548	637	5825	500	1616	5272	6068	-460	-695	13316	185	13501	2339	15840	49.88
2	4631	207	637	5475	452	1549	5196	6162	-456	-581	13057	267	13324	2140	15464	49.90
3	4654	98	639	5391	437	1542	4753	5940	-501	-535	12775	298	13073	1986	15059	49.92
4	4704	104	639	5447	429	1539	4743	5585	-456	-482	12518	302	12820	1881	14701	49.97
5	4765	104	641	5510	481	1531	4744	5569	-456	-483	12608	309	12917	1840	14757	49.85
6	4730	114	644	5488	459	1563	4688	5780	-456	-413	12877	433	13310	1868	15178	49.75
7	4675	508	646	5829	257	1566	4706	5384	-460	-439	12597	894	13491	1906	15397	49.74
8	4917	406	635	5958	209	1582	4723	5585	-460	-443	12891	914	13805	2016	15821	49.84
9	4965	310	627	5902	168	1639	4809	5549	-470	-470	12788	907	13695	2294	15989	49.74
10	5080	626	628	6334	151	1647	4929	5745	-581	-628	13249	841	14090	2683	16773	49.83
11	5036	512	621	6169	111	1674	5572	6218	-656	-614	13558	909	14467	2941	17408	49.81
12	4946	642	617	6205	80	1676	5742	6449	-804	-636	13774	974	14748	3003	17751	49.74
13	4820	709	613	6142	72	1664	5747	6436	-802	-672	13642	979	14621	3010	17631	49.78
14	4770	1059	613	6442	78	1676	5727	6393	-785	-678	13911	912	14823	2948	17771	49.76
15	4794	1347	613	6754	148	1729	5647	6232	-702	-605	14258	845	15103	3010	18113	49.78
16	4720	1491	621	6832	210	1731	5665	5808	-725	-593	13988	866	14854	3014	17868	49.72
17	4819	1358	620	6797	343	1692	5381	5354	-750	-595	13591	921	14512	2967	17479	49.76
18	4967	518	627	6112	397	1682	5035	4935	-674	-532	12594	834	13428	2855	16283	49.95
19	5088	293	631	6012	402	1692	5138	4953	-641	-495	12564	532	13096	2725	15821	49.73
20	5140	1074	631	6845	373	1676	5383	5289	-719	-500	13691	537	14228	2763	16991	49.62
21	5081	674	624	6379	404	1680	5390	5678	-694	-460	13706	493	14199	2682	16881	49.68
22	4983	904	625	6512	339	1685	5402	5363	-713	-516	13408	385	13793	2564	16357	49.57
23	4822	653	631	6106	356	1683	5490	5900	-741	-607	13445	326	13771	2502	16273	49.64
24	4739	1251	640	6630	330	1688	5537	5612	-740	-676	13594	222	13816	2442	16258	49.61
MUs	116.49	15.51	15.10	147.10	7.19	39.40	125.42	137.99	-14.90	-13.35	318.40	15.08	333.48	60.38	393.86	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 # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 17/Apr/2012

Position as on 6.30 Hrs of 18/Apr/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 1	210	11/03/2012	08.48		Continued.	Annual Overhaul	16/04/2012
Cent_Sect NTPC(V-2)	210	01/04/2012	00:01		Continued.	AOH.	30/04/2012
Cent_Sect NTPC(K-6)	500	09/04/2012	00.09		Continued.	Annual Overhaul	
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29		Continued.	Gas Shortage	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Parli Unit 3	210	09/04/2012	00.10		Continued.	PA Fan Tripped	
Cent_Sect Gandhar U3	144	09/04/2012	21.03		Continued.	Less Schedule.	
Bhusawal Unit 4	500	12/04/2012	10.34		Continued.	Class A Protection trip,low furnace pressure.	
Khaparkheda Unit 2	210	15/04/2012	01.22	17/04/2012	07.15	Boiler tube leakage.	
Bhusawal Unit 3	210	15/04/2012	02.18		Continued.	ID fan problem.	
Paras Unit 3	250	15/04/2012	16:16	18/04/2012	05.10	Boiler Tube Liakage.	
CPP JSW (J) U1	300	16/04/2012	00:01		Continued.	P A Fan Problem.	19/04/2012
Koradi Unit 6	210	17/04/2012	22.18		Continued.	Boiler Tube Leakage.	21/04/2012

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

Position as on 6.30 Hrs of 18/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	12/04/2012	13.50	17/04/2012	11.27	Over Voltage.
Kolhapur - Mapusa - I	14/04/2012	18.06	17/04/2012	10.52	Over Voltage.
Dhule-Sar'Sarovar - II	18/04/2012	03.02		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Solapur-Solapur(PGCIL)	17/04/2012	16.24	17/04/2012	16.51	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT-II and one Span Stringing & Testing Work.
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
Karad-Jaigad II	16/04/2012	15.30	17/04/2012	07.55	Cold Line Insulator Washing.Ready for Charging @ 18.27 dt 16.04.2012.
50 MVAR line Reactor of Chandrapur-Parly-I at Chandrapur	16/04/2012	16.50		Continued.	Filtration work.
80 MVAR Bus Reactor @ Nagothane	17/04/2012	09.00	17/04/2012	18.05	R.M.Work & Testing Work.
400/220KV 500MVA ICT-III at Dhule	17/04/2012	18.00	17/04/2012	18.59	Weather Proff Repair.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Kharghar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Aurangabad-Chitegaon-II	11/04/2012	11.30		Continued.	Breaker overhal.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
New Paras TPS - Chikhali - II	16/04/2012	07.52	17/04/2012	05.31	Erection Work.
Auxiliary Bus @ Chikhli	16/04/2012	07.52	17/04/2012	05.31	Erection Work.
Parly - Harangool - II	17/04/2012	08.50	17/04/2012	11.51	Disc Replacement Work @ Loc.1,2.
Karad - Peth	17/04/2012	09.10	17/04/2012	13.23	Replacement of TNC Switch.
Uran - JNPT	17/04/2012	10.46	17/04/2012	19.55	Replacement of Insulator.
Mahad - Century Enka	17/04/2012	10.48	17/04/2012	18.00	Maint. Work.
Uran -Apta-III	17/04/2012	11.13	17/04/2012	19.40	Replacement of Insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	16/04/2012	17.32	17/04/2012	08.29	Over Voltage.
400/220KV 500MVA ICT- I at Khaperkheda	17/04/2012	01.05	17/04/2012	05.20	Due to D C Supply Problem.
Bhusawal- Aurangabad	17/04/2012	17.40		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

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

Position as on 6.30 Hrs of 18/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Padgha-Temghar I	16/04/2012	10.36		Continued.	To Control Padghe ICT Loading.
Padgha - Temghar - II	16/04/2012	10.36		Continued.	To Control Padghe ICT Loading.
Chandrapur - Warora	17/04/2012	05.25	17/04/2012	09.18	To Control Wardha-Warora L/L.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi -Bhusawal	17/04/2012	17.17	17/04/2012	17.31	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Warora-Wardha	16/04/2012	09.31	17/04/2012	05.11	Distance Protection Operated Z-I R Ph.
Pedambe - Oni	17/04/2012	14.25	17/04/2012	14.50	Distance Protection.
Oni - Kharepatan	17/04/2012	14.25	17/04/2012	14.31	Back up Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon - Sat	17/04/2012	06.17	17/04/2012	14.22	B Ph. C T Burst @ Sat End.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	0
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	180
Unit 3	210	0
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	170
Unit 6	250	180
Unit 7	250	160
	1130	690
Chandrapur		
Unit 1	210	0
Unit 2	210	165
Unit 3	210	195
Unit 4	210	200
Unit 5	500	460
Unit 6	500	450
Unit 7	500	440
	2340	1910
Paras		
Unit 3	250	150
Unit 4	250	250
	500	400
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	830
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	620
	852	620
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	0
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	17
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	238
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	814
WARDHA	405	363
Other CPPs	0	
	1005	1177
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5391
	3455	5391

	17900	7 of 7	15893
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