



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Apr/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	134.397	1012.769	1) Gujrat	3.271	27.594
2) Hydro	6.993	64.293	2) Madhya Pradesh	20.669	170.330
3) Gas	15.202	115.562	3) Chattisgarh	10.830	85.040
Total MSGENCO	156.592	1192.624	4) Maharashtra	55.757	431.177
B) OTHERS			5) Goa	-6.444	-53.231
1) JSW JAIGAD	26.630	216.875	6) TAPS 1&2 Injection	7.389	61.573
2) WPCL	8.982	73.952	7) RGPPL Injection	27.425	231.292
3) Other CPP / IPP	10.744	87.386	8) Pench (Excess)	-0.296	-2.658
4) Wind Generation	7.323	61.242	# Total Cent. Sector	118.601	951.117
5) PENCH (MS)	0.296	2.658	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.483	-93.295
1) TPCL Thermal	25.274	221.713	G) Bilateral Power *		
2) TPCL Hydro	0.012	23.371	1) MSEDCL Bilateral	39.813	315.084
TOTAL TPCL	25.286	245.084	Include PX	1.866	4.811
3) REL Thermal	12.594	100.697	2) MUMBAI Bilateral	11.820	105.573
D) STATE			Include PX	0.715	13.858
1) Thermal (A1+C1+C3)	172.265	1335.179	3) MUMBAI Schedule	11.820	105.573
2) Hydro (A2+B5+C2)	7.301	90.322	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.202	115.562	1) MSEDCL	319.685	2492.559
4) Wind (B4)	7.323	61.242	2) TPCL	30.554	288.401
5) CPP (B1+B2+B3)	46.356	378.213	3) REL	16.808	150.664
TOTAL STATE	248.447	1980.518	TOTAL STATE	367.047	2931.624

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	5627	5558	5585
MSGENCO Hydro	471	243	135
MSGENCO Gas	619	646	651
MSGENCO Total Generation	6717	6447	6371
Central Sector Receipt	5781	5049	4346
WIND	103	203	427
CPP / IPP	1975	1962	1867
Exchange with Mumbai	-428	-388	-319
MSEDCL DEMAND MET	14173	13273	12718
Load Shedding	786	754	344
MSEDCL DEMAND	14959	14027	13062
TPCL GENERATION	1110	1096	865
R-INFRA GENERATION	524	525	525
TPCL+R-INFRA DEMAND	2062	2009	1709
STATE DEMAND MET	16235	15282	14427
STATE DEMAND	17021	16036	14771
Frequency (Hz)	49.89	50.01	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 17.03 Hrs	49.24 Hz at 19.11 Hrs	49.92	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 08/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.77	27.30	170	142	155
Unit 6	4.06	27.30	180	147	170
Unit 7	3.76	29.95	175	130	140
Total	11.59	84.55			465
Bhusawal					
Unit 2	4.05	32.38	180	160	161
Unit 3	4.22	29.21	185	145	157
Unit 4	2.77	15.83	139	84	
Total	11.04	77.41			318
Parli					
Unit 3	3.72	11.69	169	143	162
Unit 4	3.64	27.39	160	140	150
Unit 5	0.00	12.01	0	0	0
Unit 6	4.08	31.54	190	157	180
Unit 7	4.11	29.81	181	151	180
Total	15.54	112.45			672
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.82	31.24	164	152	165
Unit 3	4.53	35.92	193	181	190
Unit 4	4.42	36.52	202	150	160
Unit 5	10.68	86.54	465	430	470
Unit 6	10.48	81.89	455	400	450
Unit 7	10.45	80.82	462	385	430
Total	44.38	352.93			1865
Paras					
Unit 3	5.33	42.47	259	184	250
Unit 4	5.26	42.04	254	177	250
Total	10.59	84.51			500
Khaparkheda					
Unit 1	4.53	37.80	215	100	161
Unit 2	4.54	33.42	200	185	163
Unit 3	5.02	29.87	222	193	174
Unit 4	4.76	36.34	213	180	172
Unit 5	7.77	49.08	403	220	
Total	26.63	186.50			670
Nasik					
Unit 3	5.08	38.67	220	185	210
Unit 4	4.86	38.10	208	196	210
Unit 5	4.69	37.65	208	183	200
Total	14.62	114.41			620
Uran					
All Units	15.20	115.56	663	582	620
Total	15.20	115.56			620
PENCH (MS)					
Pench (MS)	0.30	2.66	47	0	
Total	0.30	2.66			
Koyna					
Stage 1-2	1.54	16.52	215	35	530
Stage 4	0.00	6.49	0	0	250
Stage 3	0.44	5.85	160	0	320
Total	1.98	28.86			1100
Kovna 12&4 Total	1.54	23.01			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.56	2.68	36	0	0
VTRNA	0.74	5.54	61	0	60
TILLARI	0.37	2.68	60	0	60
BHTGR/VEER	0.43	1.44	18	18	18
BHIRA T.R.	0.12	1.30	40	0	40
RNGR+BHTSA	0.31	2.50	13	12	13
BHANDARDRA	0.58	5.48	24	24	24
ELDARY	0.16	0.16	11	0	0
SMLHY PTN	0.64	5.56	33	22	0
GHATGHAR	1.11	8.08	250	0	0
Total	5.02	35.43			215
Wind					
MalharPeth	0.44	2.59			
Vankuswadi	0.56	4.31			
ATIT	0.08	1.09			
Kale	0.22	1.57			
Satara	0.70	5.60			
Shirala	0.29	1.44			
K Mahankal	0.44	2.33			
Supa	0.15	1.19			
Vita	0.62	4.74			
Dondaicha	2.63	24.92			
Sakri	0.41	3.90			
Nandurbar	0.28	2.70			
Khandke	0.29	2.43			
Khaparale	0.22	2.44			
Total	7.32	61.24			
CPP					
JSW JAIGAD	26.63	216.88	1158	1052	1045
WARDHA	8.98	73.95	438	348	440
Other CPPs	10.74	87.39			
Total	46.36	378.21			1485
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.53	84.88	504	285	500
Trombay 6	4.33	52.80	374	155	500
Trombay 7A	2.95	23.70	127	112	120
Trombay 7B	1.64	13.14	69	65	60
Trombay 8	5.83	47.18	251	196	250
TATA Hydro	0.01	23.37	12	0	447
Total	25.29	245.08			1877
REL					
1&2	12.59	100.70	526	523	500
Total	12.59	100.70			500
Cent Sect					
Share					4363
Total					4363

MS PG CL	Thermal	134.40	1012.77			5110
	Thml+Gas	149.60	1128.33			5730
	Hydro	6.99	64.29			1315
	Total	156.99	1192.62			7045
State Total		248.45	1980.52			15270

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	5489	291	625	6405	384	1875	4849	5139	-591	-496	13332	168	13500	2106	15606	49.67
2	5512	176	650	6338	425	1847	4558	4806	-485	-349	13092	306	13398	1918	15316	49.72
3	5522	240	650	6412	451	1851	4482	4564	-450	-304	12999	339	13338	1789	15127	49.90
4	5585	135	651	6371	427	1867	4483	4346	-450	-319	12718	344	13062	1709	14771	49.94
5	5572	128	653	6353	420	1835	4485	4650	-450	-315	12947	352	13299	1674	14973	49.92
6	5530	118	663	6311	345	1882	4457	5080	-450	-245	13373	511	13884	1712	15596	49.87
7	5559	123	597	6279	420	1873	4455	4951	-448	-307	13216	1209	14425	1703	16128	50.05
8	5659	123	657	6439	281	1880	4445	4848	-430	-311	13137	1286	14423	1698	16121	50.11
9	5659	211	662	6532	209	1885	4500	4876	-450	-346	13156	1253	14409	1774	16183	50.03
10	5689	324	645	6658	230	1890	4586	5037	-470	-363	13452	871	14323	1911	16234	49.97
11	5690	449	638	6777	194	1958	4616	5334	-477	-345	13925	807	14732	2004	16736	50.05
12	5627	471	619	6717	103	1975	4824	5781	-491	-428	14173	786	14959	2062	17021	49.89
13	5584	433	623	6640	68	1975	4798	5754	-494	-454	13986	843	14829	2072	16901	49.86
14	5511	496	629	6636	62	1965	4630	5446	-485	-424	13685	911	14596	2045	16641	49.96
15	5628	389	629	6646	136	1971	4801	5544	-483	-415	13882	743	14625	2038	16663	49.95
16	5674	295	629	6598	180	1961	4726	5462	-479	-397	13804	756	14560	2020	16580	49.86
17	5558	243	646	6447	203	1962	4331	5049	-473	-388	13273	754	14027	2009	16036	50.01
18	5569	236	646	6451	253	1852	4331	4273	-466	-382	12447	318	12765	1991	14756	50.08
19	5602	301	642	6545	348	1956	4379	4364	-425	-370	12843	176	13019	1997	15016	50.03
20	5664	513	648	6825	341	2039	4508	4609	-497	-438	13379	285	13664	2205	15869	49.78
21	5663	485	640	6788	464	2043	4549	4499	-538	-426	13393	274	13667	2267	15934	49.80
22	5690	357	592	6639	486	2039	4447	4447	-559	-480	13165	240	13405	2232	15637	49.86
23	5613	224	586	6423	457	1981	4078	4917	-629	-596	13229	215	13444	2229	15673	49.88
24	5548	232	582	6362	436	1994	4084	4825	-650	-585	13079	169	13248	2198	15446	49.84
MUs	134.40	6.99	15.20	156.59	7.32	46.36	108.40	118.60	-11.82	-9.48	319.68	13.92	333.60	47.36	380.96	49.92

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 08/Apr/2012

Position as on 6.30 Hrs of 09/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	09/04/2012
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 5	210	04/04/2012	21.38		Continued.	Coal shortage.	
Koyna Unit 6	75	07/04/2012	13.45		Continued.	Oil Level Sensor problem	
Koyna Unit 8	80	08/04/2012	07.30	08/04/2012	19.25	Preventive maint.work	
Dabhol 3A	230	08/04/2012	21.13	08/04/2012	22.44	Tripped on CW Pump	
Dabhol 3B	230	08/04/2012	21.13	09/04/2012	02.08	Tripped on CW Pump	
Dabhol 3X	290	08/04/2012	21.13	08/04/2012	23.57	Tripped on CW Pump	
Parli Unit 3	210	09/04/2012	00.10		Continued.	PA Fan Tripped	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Apr/2012

Position as on 6.30 Hrs of 09/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Dabhol - II	06/04/2012	11.10		Continued.	Taken on TBC.Main Bkr. overhauling work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	06/04/2012	18.00		Continued.	Over Voltage.
Kolhapur-Mapusa-II	08/04/2012	02.14	08/04/2012	23.22	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Seoni - I	05/04/2012	17.58		Continued.	Over Voltage.
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 -I & II 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.
Kalwa - Padgha - I	28/03/2012	11.22		Continued.	Taken on TBC(up to 13.04.2012)
Koradi -Bhusawal	07/04/2012	00.33		Continued.	Taken on TBC.Hot glow on Y ph.conductor clamp.
Padgha - Padgha HVDC - I	08/04/2012	14.31	08/04/2012	22.38	B Bus Y Phase Isolator Maint.(Taken on TBC)
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.
Kalwa - Borivali	11/03/2012	12.00		Continued.	Tower Erection and Stringing work
Mulund - Bhandup (GIS)	08/04/2012	00.15	08/04/2012	03.48	Stringing work
Mulund - Bhandup (GIS)	09/04/2012	00.02	09/04/2012	03.30	Stringing work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 600 MVA ICT-II @ Kalwa	07/04/2012	22.50		Continued.	Hot Spot(LV Shifted on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Tie CB of A'Bad - II at Akola	02/04/2012	16.34		Continued.	Testing work due to imbalance currents in Bus Bar Relay
Bhusawal- Aurangabad	07/04/2012	17.48	08/04/2012	07.50	Over Voltage
Karad - Kolhapur - I	08/04/2012	16.36		Continued.	Over Voltage
Bhusawal- Aurangabad	08/04/2012	17.36		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/100KV 200MVA ICT-IV at Kalwa	06/04/2012	08.02		Continued.	To control Bus section load.
Padgha-Temghar I	07/04/2012	18.02	08/04/2012	13.55	To Control Padgha ICT Load
Padgha - Temghar - II	07/04/2012	18.03		Continued.	To Control Padgha ICT Load
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Apr/2012

Position as on 6.30 Hrs of 09/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Halkarni -Tillary	07/04/2012	23.15	08/04/2012	11.12	Distance Protection
Uran - JNPT	08/04/2012	06.20	08/04/2012	19.34	Distance Protection
Uran-ONGC	08/04/2012	06.40	08/04/2012	13.43	Distance Protection
ONGC-JNPT	08/04/2012	06.40	08/04/2012	12.04	Distance Protection
Lamboti - Pandharpur	08/04/2012	13.12	08/04/2012	13.36	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Akola(Gorakshan) - Akola(Apatapa)	08/04/2012	04.38	08/04/2012	07.35	Distance Protection
Paras - Warwat Bakal	08/04/2012	05.57	08/04/2012	07.39	To control Akola-Paras-II loading

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	150
Unit 7	210	175
	620	485
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	180
Unit 7	250	160
	1130	490
Chandrapur		
Unit 1	210	0
Unit 2	210	165
Unit 3	210	190
Unit 4	210	170
Unit 5	500	460
Unit 6	500	425
Unit 7	500	450
	2340	1860
Paras		
Unit 3	250	240
Unit 4	250	240
	500	480
Khaparkheda		
Unit 1	210	210
Unit 2	210	195
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	825
Nasik		
Unit 3	210	180
Unit 4	210	195
Unit 5	210	190
	630	565
Uran		
All Units	852	570
	852	570
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	36
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	18
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
BHANDARDRA	45	24
ELDARY	23	10
SMLHY PTN	12	11
GHATGHAR	250	0
	611	273
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	1045
WARDHA	405	440
Other CPPs	0	
	1005	1485
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	4942
	3455	4942

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