



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Apr/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.313	878.372	1) Gujrat	1.309	24.323
2) Hydro	6.442	57.300	2) Madhya Pradesh	20.119	149.661
3) Gas	15.450	100.360	3) Chattisgarh	11.430	74.210
Total MSGENCO	148.205	1036.032	4) Maharashtra	57.043	375.420
B) OTHERS			5) Goa	-6.009	-46.787
1) JSW JAIGAD	27.323	190.245	6) TAPS 1&2 Injection	7.756	54.184
2) WPCL	9.628	64.970	7) RGPPL Injection	29.091	203.867
3) Other CPP / IPP	10.563	76.642	8) Pench (Excess)	-0.309	-2.362
4) Wind Generation	8.655	53.919	# Total Cent. Sector	120.430	832.516
5) PENCH (MS)	0.309	2.362	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.165	-83.812
1) TPCL Thermal	27.615	196.439	G) Bilateral Power *		
2) TPCL Hydro	3.149	23.359	1) MSEDCL Bilateral	41.052	275.270
TOTAL TPCL	30.764	219.798	Include PX	2.946	2.946
3) REL Thermal	12.597	88.103	2) MUMBAI Bilateral	12.657	93.754
D) STATE			Include PX	1.078	13.144
1) Thermal (A1+C1+C3)	166.525	1162.914	3) MUMBAI Schedule	12.657	93.754
2) Hydro (A2+B5+C2)	9.900	83.021	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.450	100.360	1) MSEDCL	313.948	2172.874
4) Wind (B4)	8.655	53.919	2) TPCL	35.294	257.847
5) CPP (B1+B2+B3)	47.514	331.857	3) REL	19.230	133.856
TOTAL STATE	248.044	1732.071	TOTAL STATE	368.472	2564.577

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	5203	5342	5242
MSGENCO Hydro	722	212	121
MSGENCO Gas	623	631	649
MSGENCO Total Generation	6548	6185	6012
Central Sector Receipt	5489	4892	4525
WIND	95	342	608
CPP / IPP	2011	2018	1816
Exchange with Mumbai	-717	-616	-354
MSEDCL DEMAND MET	13451	12821	12607
Load Shedding	1449	1524	350
MSEDCL DEMAND	14900	14345	12957
TPCL GENERATION	1465	1502	833
R-INFRA GENERATION	525	524	526
TPCL+R-INFRA DEMAND	2707	2642	1713
STATE DEMAND MET	16158	15463	14320
STATE DEMAND	17607	16987	14670
Frequency (Hz)	49.83	49.92	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 17:54 Hrs	49.12 Hz at 19:08 Hrs	49.87	.37 % 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 07/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.51	23.53	153	134	145
Unit 6	3.79	23.24	178	144	155
Unit 7	3.50	26.19	160	130	150
Total	10.81	72.96			450
Bhusawal					
Unit 2	4.12	28.32	180	165	181
Unit 3	0.07	24.98	60	0	0
Unit 4	1.28	13.06	151	0	0
Total	5.47	66.37			181
Parli					
Unit 3	3.88	7.98	179	149	180
Unit 4	3.69	23.76	169	137	160
Unit 5	0.00	12.01	0	0	0
Unit 6	3.96	27.46	190	157	175
Unit 7	3.78	25.70	181	110	165
Total	15.30	96.91			680
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.85	27.41	166	156	170
Unit 3	4.53	31.39	193	177	190
Unit 4	4.69	32.11	205	164	210
Unit 5	10.85	75.86	470	420	475
Unit 6	10.24	71.41	455	390	450
Unit 7	9.67	70.37	438	361	450
Total	43.84	308.55			1945
Paras					
Unit 3	5.86	37.14	256	198	250
Unit 4	5.81	36.78	258	211	250
Total	11.67	73.93			500
Khaparkheda					
Unit 1	4.91	33.26	220	170	210
Unit 2	4.25	28.87	190	165	170
Unit 3	4.94	24.85	221	170	210
Unit 4	4.54	31.58	211	160	210
Unit 5	5.99	41.30	362	120	0
Total	24.63	159.87			800
Nasik					
Unit 3	4.88	33.60	215	180	210
Unit 4	4.96	33.24	212	197	210
Unit 5	4.76	32.96	205	185	200
Total	14.60	99.79			620
Uran					
All Units	15.45	100.36	674	623	620
Total	15.45	100.36			620
PENCH (MS)					
Pench (MS)	0.31	2.36	50	0	0
Total	0.31	2.36			0
Koyna					
Stage 1-2	1.51	14.98	235	35	530
Stage 4	0.00	6.49	0	0	250
Stage 3	0.50	5.41	160	0	320
Total	2.01	26.88			1100
Kovna 12&4 Total	1.51	21.47			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	2.12	0	0	0
VTRNA	0.82	4.80	61	0	60
TILLARI	0.35	2.32	60	0	60
BHTGR/VEER	0.44	1.00	19	18	4
BHIRA T.R.	0.12	1.18	42	0	40
RNGR+BHTSA	0.31	2.19	13	13	22
BHANDARDRA	0.58	4.90	25	24	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.59	4.92	25	24	0
GHATGHAR	1.21	6.97	240	0	0
Total	4.43	30.42			214
Wind					
MalharPeth	0.42	2.14			
Vankuswadi	0.68	3.75			
ATIT	0.07	1.02			
Kale	0.25	1.35			
Satara	1.06	4.90			
Shirala	0.19	1.14			
K Mahankal	0.02	1.89			
Supa	0.16	1.04			
Vita	0.54	4.12			
Dondaicha	3.62	22.29			
Sakri	0.53	3.49			
Nandurbar	0.36	2.43			
Khandke	0.35	2.14			
Khaparale	0.41	2.22			
Total	8.66	53.92			
CPP					
JSW JAIGAD	27.32	190.24	1226	1028	1100
WARDHA	9.63	64.97	436	345	436
Other CPPs	10.56	76.64			
Total	47.51	331.86			1536
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.19	74.36	505	287	500
Trombay 6	5.93	48.47	467	156	500
Trombay 7A	2.95	20.75	127	114	120
Trombay 7B	1.64	11.50	69	65	60
Trombay 8	5.91	41.35	253	195	250
TATA Hydro	3.15	23.36	302	0	447
Total	30.76	219.80			1877
REL					
1&2	12.60	88.10	527	522	500
Total	12.60	88.10			500
Cent Sect					
Share					4786
Total					4786

MS PG CL	Thermal	126.31	878.37			5176
	Thml+Gas	141.76	978.73			5796
	Hydro	6.44	57.30			1314
	Total	148.20	1036.03			7110
State Total		248.04	1732.07			15809

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	5178	132	651	5961	587	1988	5085	4966	-607	-461	13071	171	13242	2089	15331	49.84
2	5100	126	656	5882	569	1871	4662	4741	-473	-274	12789	314	13103	1901	15004	49.80
3	5194	121	655	5970	602	1846	4638	4545	-448	-302	12661	344	13005	1785	14790	49.83
4	5242	121	649	6012	608	1816	4641	4525	-448	-354	12607	350	12957	1713	14670	49.97
5	5275	131	658	6064	581	1861	4644	4510	-448	-290	12726	364	13090	1687	14777	49.86
6	5354	156	670	6180	367	1874	4609	4777	-448	-185	13013	538	13551	1730	15281	49.79
7	5362	141	674	6177	337	1886	4590	4777	-452	-294	12883	1242	14125	1772	15897	49.89
8	5292	175	664	6131	184	1848	4602	4859	-464	-273	12749	1323	14072	1827	15899	50.08
9	5222	186	664	6072	109	1968	4598	5011	-465	-301	12859	1369	14228	2028	16256	49.95
10	5202	267	644	6113	79	1973	4689	5524	-511	-518	13171	1338	14509	2379	16888	49.95
11	5222	656	625	6503	67	2025	4645	5605	-537	-709	13501	1366	14867	2635	17502	49.84
12	5203	722	623	6548	95	2011	5070	5489	-580	-717	13451	1449	14900	2707	17607	49.83
13	5212	557	625	6394	89	1995	5117	5540	-589	-638	13405	1529	14934	2711	17645	49.85
14	5264	366	625	6255	129	2024	5146	5605	-536	-452	13587	1424	15011	2629	17640	49.96
15	5405	240	625	6270	179	2032	5279	5625	-536	-486	13627	1282	14909	2665	17574	49.94
16	5356	293	628	6277	228	2014	5216	5544	-549	-510	13553	1424	14977	2671	17648	49.81
17	5342	212	631	6185	342	2018	4595	4892	-521	-616	12821	1524	14345	2642	16987	49.92
18	5331	189	642	6162	465	2065	4590	4364	-511	-649	12407	1140	13547	2548	16095	50.16
19	5371	253	634	6258	621	2102	4644	4106	-513	-549	12555	663	13218	2415	15633	49.86
20	5161	477	641	6279	556	2106	4848	4890	-591	-646	13208	685	13893	2587	16480	49.62
21	5240	298	641	6179	530	2103	4888	4976	-589	-458	13353	546	13899	2498	16397	49.76
22	5238	181	641	6060	504	2085	4882	4966	-594	-405	13250	399	13649	2383	16032	49.75
23	5225	241	642	6108	454	1999	4948	5191	-623	-514	13288	344	13632	2295	15927	49.82
24	5322	201	642	6165	373	2004	4947	5402	-627	-564	13413	251	13664	2229	15893	49.78
MUs	126.31	6.44	15.45	148.20	8.66	47.51	115.57	120.43	-12.66	-11.16	313.95	21.38	335.33	54.53	389.85	49.87

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 07/Apr/2012

Position as on 6.30 Hrs of 08/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
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 1	75	06/04/2012	14.15	07/04/2012	21.55	TGB cooler replacement work.	
Koyna Unit 12	80	06/04/2012	19.40	07/04/2012	04.15	Rotor earth fault.	
Bhusawal Unit 4	500	06/04/2012	20.02	07/04/2012	13:18	Class protection operated.	
Bhusawal Unit 3	210	06/04/2012	21.35	07/04/2012	22.39	Main steam line leakage.	
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 3X	290	08/04/2012	21.13	08/04/2012	23.57	Tripped on CW Pump	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Apr/2012

Position as on 6.30 Hrs of 08/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		
Kolhapur - Mapusa - I	06/04/2012	16.20	07/04/2012	10.13	Over Voltage.
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.
Dhule - Babhaleshwar - I	07/04/2012	10.27	07/04/2012	20.14	Hot Spot
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)	07/04/2012	00.02	07/04/2012	04.50	Railway crossing stringing work at Loc.No.16
Karad-Pedambe	07/04/2012	09.00	07/04/2012	14.32	Replacement of Broken Disc Insulator
Ghatghar-Nasik	07/04/2012	09.47	07/04/2012	20.42	Hot Spot
Uran-ONGC	07/04/2012	10.05	07/04/2012	18.03	Relay Testing work
220/132KV,200 MVA T/F-I At Nagar	07/04/2012	10.26	07/04/2012	16.20	Q.M.work
Oni - Kharepatan	07/04/2012	11.50	07/04/2012	12.23	Distance Protection
Karad - Ogalewadi - II	07/04/2012	14.38	07/04/2012	15.52	Testing work
Mulund - Bhandup (GIS)	08/04/2012	00.15	08/04/2012	03.48	Stringing work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
BBLSR - Sangamner	07/04/2012	10.30	07/04/2012	13.00	A/R Scheme testing
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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Apr/2012

Position as on 6.30 Hrs of 08/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	06/04/2012	16.12	07/04/2012	08.31	Over Voltage.
400/220KV,500 MVA ICT-III At A'bad.	06/04/2012	18.02	07/04/2012	01.31	NDR protection operated H/T at both end.
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		
Pedambe - Oni	07/04/2012	11.50	07/04/2012	12.40	Distance protection
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 08/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	170
Unit 7	210	140
	620	465
Bhusawal		
Unit 2	210	161
Unit 3	210	157
Unit 4	500	
	920	318
Parli		
Unit 3	210	162
Unit 4	210	150
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	672
Chandrapur		
Unit 1	210	0
Unit 2	210	165
Unit 3	210	190
Unit 4	210	160
Unit 5	500	470
Unit 6	500	450
Unit 7	500	430
	2340	1865
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	161
Unit 2	210	163
Unit 3	210	174
Unit 4	210	172
Unit 5	500	
	1340	670
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	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	0
VTRNA	60	60
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	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	215
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	4363
	3455	4363

	17900	7 of 7	15270
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