



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Apr/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.217	1262.159	1) Gujrat	6.432	38.261
2) Hydro	7.654	81.443	2) Madhya Pradesh	22.975	215.774
3) Gas	15.309	144.988	3) Chattisgarh	11.340	107.550
Total MSGENCO	146.180	1488.590	4) Maharashtra	63.684	555.977
B) OTHERS			5) Goa	-6.659	-66.961
1) JSW JAIGAD	25.905	270.055	6) TAPS 1&2 Injection	7.722	76.992
2) WPCL	9.028	92.061	7) RGPPL Injection	29.472	289.183
3) Other CPP / IPP	10.849	109.113	8) Pench (Excess)	-0.385	-3.656
4) Wind Generation	9.029	79.038	# Total Cent. Sector	134.581	1213.120
5) PENCH (MS)	0.385	3.656	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.964	-120.200
1) TPCL Thermal	29.973	279.479	G) Bilateral Power *		
2) TPCL Hydro	4.298	32.188	1) MSEDCL Bilateral	39.035	393.588
TOTAL TPCL	34.271	311.667	Include PX	0.000	4.811
3) REL Thermal	12.594	125.884	2) MUMBAI Bilateral	14.311	134.192
D) STATE			Include PX	2.685	19.076
1) Thermal (A1+C1+C3)	165.784	1667.522	3) MUMBAI Schedule	14.311	134.192
2) Hydro (A2+B5+C2)	12.337	117.287	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.309	144.988	1) MSEDCL	322.993	3135.433
4) Wind (B4)	9.029	79.038	2) TPCL	39.413	366.487
5) CPP (B1+B2+B3)	45.782	471.229	3) REL	20.415	190.951
TOTAL STATE	248.241	2480.064	TOTAL STATE	382.821	3692.871

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	4954	5159	5337
MSGENCO Hydro	603	199	135
MSGENCO Gas	631	634	638
MSGENCO Total Generation	6188	5992	6110
Central Sector Receipt	6479	5756	5073
WIND	197	558	297
CPP / IPP	1867	1864	1853
Exchange with Mumbai	-636	-587	-416
MSEDCL DEMAND MET	14095	13583	12942
Load Shedding	1166	1222	362
MSEDCL DEMAND	15261	14805	13304
TPCL GENERATION	1846	1862	856
R-INFRA GENERATION	525	525	525
TPCL+R-INFRA DEMAND	3007	2974	1797
STATE DEMAND MET	17102	16557	14739
STATE DEMAND	18268	17779	15101
Frequency (Hz)	49.86	49.94	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.58 Hz at 17.11 Hrs	49.54 Hz at 00.19 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 10/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.43	34.25	153	129	150
Unit 6	3.05	34.04	151	90	150
Unit 7	1.21	32.52	160	0	0
Total	7.69	100.81			300
Bhusawal					
Unit 2	3.84	40.22	170	140	180
Unit 3	4.30	37.62	190	160	180
Unit 4	1.17	19.75	146	0	
Total	9.32	97.59			360
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	4.25	35.56	186	158	175
Unit 5	0.00	12.01	0	0	0
Unit 6	3.96	39.37	187	146	160
Unit 7	3.82	37.44	177	146	143
Total	12.03	136.08			478
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.26	38.40	166	111	120
Unit 3	4.07	44.47	194	135	190
Unit 4	4.04	44.98	197	145	205
Unit 5	10.22	107.46	465	375	450
Unit 6	10.52	102.67	457	415	415
Unit 7	10.51	101.77	465	402	450
Total	42.63	439.76			1830
Paras					
Unit 3	5.97	54.03	255	234	250
Unit 4	5.55	53.05	253	200	250
Total	11.52	107.08			500
Khaparkheda					
Unit 1	4.76	47.27	210	180	210
Unit 2	4.46	42.20	195	170	200
Unit 3	5.13	39.88	222	181	210
Unit 4	4.82	46.12	211	177	210
Unit 5	6.55	62.53	429	0	
Total	25.72	238.00			830
Nasik					
Unit 3	5.12	48.64	220	210	210
Unit 4	4.67	47.42	205	178	190
Unit 5	4.52	46.79	205	170	200
Total	14.31	142.85			600
Uran					
All Units	15.31	144.99	650	622	620
Total	15.31	144.99			620
PENCH (MS)					
Pench (MS)	0.38	3.66	50	0	
Total	0.38	3.66			
Koyna					
Stage 1-2	1.98	21.03	285	40	530
Stage 4	0.30	7.35	200	0	250
Stage 3	1.01	7.19	160	0	320
Total	3.30	35.56			1100
Kovna 12&4 Total	2.28	28.38			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.88	4.46	37	36	36
VTRNA	0.81	7.18	61	0	61
TILLARI	0.36	3.42	60	0	60
BHTGR/VEER	0.09	1.96	4	3	18
BHIRA T.R.	0.22	1.63	80	0	40
RNGR+BHTSA	0.31	3.12	13	12	13
BHANDARDRA	0.00	6.06	0	0	24
ELDARY	0.25	0.67	11	2	10
SMLHY PTN	0.71	6.99	39	28	10
GHATGHAR	0.73	10.41	125	0	0
Total	4.36	45.88			272
Wind					
MalharPeth	0.17	3.17			
Vankuswadi	0.42	5.38			
ATIT	0.02	1.19			
Kale	0.17	2.01			
Satara	0.30	6.53			
Shirala	0.15	1.84			
K Mahankal	0.63	3.14			
Supa	0.12	1.49			
Vita	0.58	5.79			
Dondaicha	4.72	33.57			
Sakri	0.68	5.10			
Nandurbar	0.41	3.52			
Khandke	0.32	3.07			
Khaparale	0.37	3.24			
Total	9.03	79.04			
CPP					
JSW JAIGAD	25.90	270.06	1154	1021	1045
WARDHA	9.03	92.06	438	347	440
Other CPPs	10.85	109.11			
Total	45.78	471.23			1485
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.22	107.10	504	284	500
Trombay 6	8.27	67.71	502	156	500
Trombay 7A	2.94	29.36	127	119	120
Trombay 7B	1.63	16.34	69	67	60
Trombay 8	5.92	58.96	252	212	250
TATA Hydro	4.30	32.19	441	0	447
Total	34.27	311.67			1877
REL					
1&2	12.59	125.88	526	523	500
Total	12.59	125.88			500
Cent Sect					
Share					4819
Total					4819

MS PG CL	Thermal	123.22	1262.16			4898
	Thml+Gas	138.53	1407.15			5518
	Hydro	7.65	81.44			1372
	Total	146.18	1488.59			6890
State Total		248.24	2480.06			15571

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	5144	575	635	6354	296	1952	5012	5484	-621	-601	13510	165	13675	2220	15895	49.71
2	5237	435	634	6306	354	1890	4699	5158	-496	-395	13338	316	13654	2001	15655	49.75
3	5241	202	637	6080	328	1851	4585	5127	-450	-419	12992	359	13351	1880	15231	49.85
4	5337	135	638	6110	297	1853	4647	5073	-450	-416	12942	362	13304	1797	15101	49.91
5	5310	130	640	6080	406	1868	4647	5261	-450	-324	13317	381	13698	1741	15439	49.86
6	5397	142	641	6180	397	1939	4605	5462	-444	-278	13717	546	14263	1818	16081	49.86
7	5240	214	647	6101	300	1889	4628	5196	-454	-404	13082	1365	14447	1896	16343	49.82
8	5178	199	650	6027	257	1901	4636	5325	-454	-352	13158	1477	14635	1997	16632	50.02
9	5145	202	643	5990	261	1989	4712	5416	-464	-494	13162	1350	14512	2266	16778	50.04
10	5059	269	630	5958	170	1982	4813	5998	-525	-629	13479	1183	14662	2667	17329	49.93
11	5012	411	630	6053	167	1971	5016	6100	-709	-671	13620	1226	14846	2914	17760	49.86
12	4954	603	631	6188	197	1867	5328	6479	-726	-636	14095	1166	15261	3007	18268	49.86
13	4890	536	631	6057	283	1849	5418	6308	-812	-673	13824	1255	15079	2995	18074	49.86
14	4939	548	632	6119	381	1851	5337	6157	-729	-686	13822	1131	14953	2946	17899	49.96
15	5015	609	627	6251	398	1860	5347	5901	-651	-614	13796	1031	14827	2991	17818	49.83
16	5142	505	622	6269	498	1853	5322	6043	-684	-602	14061	1126	15187	3003	18190	49.87
17	5159	199	634	5992	558	1864	4912	5756	-674	-587	13583	1222	14805	2974	17779	49.94
18	5201	213	635	6049	611	1837	4836	4901	-594	-624	12774	891	13665	2884	16549	50.18
19	5213	261	638	6112	573	1865	4908	4704	-558	-542	12732	662	13394	2763	16157	50.02
20	5017	415	647	6079	503	1942	5066	5768	-655	-529	13810	559	14369	2812	17181	49.97
21	5032	292	646	5970	613	1948	5083	5750	-653	-620	13711	508	14219	2721	16940	50.02
22	5118	215	647	5980	420	1964	5103	5385	-658	-568	13231	373	13604	2568	16172	49.96
23	5098	194	644	5936	400	1997	5055	5781	-698	-660	13504	317	13821	2547	16368	49.97
24	5139	150	650	5939	361	2000	5249	6046	-701	-640	13731	277	14008	2421	16429	50.11
MUs	123.2 2	7.65	15.31	146.18	9.03	45.78	118.96	134.58	-14.31	-12.96	322.99	19.25	342.24	59.83	402.07	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 10/Apr/2012

Position as on 6.30 Hrs of 11/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 5	210	04/04/2012	21.38		Continued.	Coal shortage.	
Koyna Unit 6	75	07/04/2012	13.45		Continued.	Oil Level Sensor problem	
Parli Unit 3	210	09/04/2012	00.10		Continued.	PA Fan Tripped	
Koradi Unit 7	210	09/04/2012	09.00	10/04/2012	14.50	I D Fan Problem.	
Cent_Sect Gandhar U3	144	09/04/2012	21.03		Continued.	Less Schedule.	
Bhusawal Unit 4	500	10/04/2012	06.07	10/04/2012	20.48	Low Drum Level.	
Khaparkheda Unit 5	500	10/04/2012	19.25		Continued.	Class A Protection Operated.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Apr/2012

Position as on 6.30 Hrs of 11/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	10/04/2012	12.44	Taken on TBC.Main Bkr. overhauling work.(Taken on Own Breaker).
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni-Amona I	10/04/2012	07.17	10/04/2012	18.54	Insulator Replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	09/04/2012	17.39	10/04/2012	10.50	Over Voltage.
Dhule-Sar'Sarovar - II	10/04/2012	02.41	10/04/2012	11.33	Over Voltage.
Kolhapur - Mapusa - II	10/04/2012	17.19		Continued.	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.	Replacement of 29D Isolator ,Taken on TBC.
Karad-Jaigad I	10/04/2012	08.51	10/04/2012	14.07	Insulator Replacement Work.
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
Khargar-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	10/04/2012	17.32	Tower Erection and Stringing work
Mulund - Bhandup (GIS)	10/04/2012	00.13	10/04/2012	03.39	Railway Crossing Stringing Work.
Butibori-Indorama	10/04/2012	07.10		Continued.	Maintenance Work By M/S Indorama (2 Days).
Parli-Usmanabad	10/04/2012	07.54	10/04/2012	16.26	Replacement of Armouring & Arcing Horn.
Ambazari-Amravati	10/04/2012	08.28	10/04/2012	14.00	Replacement of Broken Earthwire @ Loc.151-160.
220 A Bus @ Nagothane	10/04/2012	08.58	10/04/2012	19.34	Replacement of B Ph. P T Due to Heavy Oil Leakage.
Uran-ONGC	10/04/2012	09.00	10/04/2012	21.20	Insulator Replacement Work.
Main Bus @ Usmanabad	10/04/2012	09.25	10/04/2012	16.26	Q.M.Work.
Mudshingi - Talandage - I	10/04/2012	10.27	10/04/2012	13.42	Attending D C Leakage.
ONGC-JNPT	10/04/2012	17.09	10/04/2012	20.23	Replacement of Conductor.
Khaparkheda New - Khaparkheda Old - II	10/04/2012	18.25	10/04/2012	18.26	First Time Charged.
Khaparkheda New - Khaparkheda Old - I	10/04/2012	19.12	10/04/2012	19.13	First Time Charged.
Babaleshwar - Alephata	10/04/2012	22.21	11/04/2012	01.06	To Attend Hot Spot.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Apr/2012

Position as on 6.30 Hrs of 11/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Chakan - Bhosari	11/04/2012	01.01	11/04/2012	01.16	Replacement of Isolator of T/F-2.
Bhosari-Telco	11/04/2012	01.15	11/04/2012	01.16	Replacement of Isolator of T/F-2.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Miraj - Tasgaon	10/04/2012	09.10	10/04/2012	19.06	Q.M.Work.
Miraj-Kavathemahakal	10/04/2012	11.45	10/04/2012	13.32	Q.M.Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV 200 MVA ICT-II @ Harangul	10/04/2012	17.56	10/04/2012	18.39	Work of Buchholz Relay.
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	09/04/2012	17.00	10/04/2012	06.41	Over Voltage.
Karad - Kolhapur - II	09/04/2012	18.00	10/04/2012	08.20	Over Voltage.
Bhusawal- Aurangabad	10/04/2012	17.13	11/04/2012	07.00	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	09/04/2012	18.01		Continued.	To Control Padgha ICT Loading.
Padgha - Temghar - II	09/04/2012	18.02		Continued.	To Control Padgha ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	10/04/2012	09.09	10/04/2012	17.55	Differential Protection Operated.
400/220 KV 500 MVA ICT-I @ Jejuri	10/04/2012	16.19	10/04/2012	16.33	On WT (Mal Operation in Breaker).
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	10/04/2012	20.52		Continued.	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	140
Unit 7	210	160
	620	440
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	185
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	505
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	190
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1910
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	192
Unit 4	210	192
Unit 5	210	182
	630	566
Uran		
All Units	852	640
	852	640
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	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	254
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	985
WARDHA	405	357
Other CPPs	0	
	1005	1342
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	5271
	3455	5271

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