



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Apr/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.898	1970.854	1) Gujrat	8.554	78.611
2) Hydro	24.739	146.159	2) Madhya Pradesh	21.185	356.424
3) Gas	14.475	235.050	3) Chattisgarh	11.510	174.440
Total MSGENCO	146.112	2352.063	4) Maharashtra	62.336	927.431
B) OTHERS			5) Goa	-6.161	-107.403
1) JSW JAIGAD	19.597	419.855	6) TAPS 1&2 Injection	7.699	123.409
2) WPCL	9.129	145.395	7) RGPPL Injection	29.091	464.087
3) Other CPP / IPP	10.101	168.371	8) Pench (Excess)	-0.114	-5.113
4) Wind Generation	5.261	120.592	# Total Cent. Sector	134.100	2011.886
5) PENCH (MS)	0.114	5.113	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.375	-201.225
1) TPCL Thermal	30.302	444.709	G) Bilateral Power *		
2) TPCL Hydro	4.284	50.105	1) MSEDCL Bilateral	39.503	623.582
TOTAL TPCL	34.586	494.814	Include PX	0.000	4.811
3) REL Thermal	12.526	201.259	2) MUMBAI Bilateral	14.428	218.514
D) STATE			Include PX	2.693	33.133
1) Thermal (A1+C1+C3)	149.726	2616.822	3) MUMBAI Schedule	14.428	218.514
2) Hydro (A2+B5+C2)	29.137	201.377	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.475	235.050	1) MSEDCL	311.039	5022.050
4) Wind (B4)	5.261	120.592	2) TPCL	39.764	588.481
5) CPP (B1+B2+B3)	38.827	733.621	3) REL	20.719	308.494
TOTAL STATE	237.426	3907.462	TOTAL STATE	371.522	5919.025

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	4329	4637	4235
MSGENCO Hydro	1814	1426	299
MSGENCO Gas	618	611	554
MSGENCO Total Generation	6761	6674	5088
Central Sector Receipt	5991	5131	5872
WIND	52	382	167
CPP / IPP	1671	1670	1511
Exchange with Mumbai	-678	-797	-422
MSEDCL DEMAND MET	13797	13060	12216
Load Shedding	1035	952	336
MSEDCL DEMAND	14832	14012	12552
TPCL GENERATION	1836	1721	855
R-INFRA GENERATION	523	520	522
TPCL+R-INFRA DEMAND	3037	3038	1799
STATE DEMAND MET	16834	16098	14015
STATE DEMAND	17869	17050	14351
Frequency (Hz)	49.83	49.97	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 17.32 Hrs	49.26 Hz at 21.20 Hrs	49.81	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 16/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.32	53.57	157	115	125
Unit 6	3.34	54.66	161	117	130
Unit 7	3.65	54.65	170	105	150
Total	10.31	162.88			405
Bhusawal					
Unit 2	2.11	50.04	180	0	0
Unit 3	0.00	55.51	0	0	0
Unit 4	0.00	23.15	0	0	
Total	2.11	128.70			0
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	4.15	57.85	180	163	165
Unit 5	0.99	13.00	160	0	0
Unit 6	4.50	65.32	212	160	160
Unit 7	4.03	61.07	182	149	160
Total	13.66	208.93			485
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.68	61.67	168	120	170
Unit 3	4.52	70.90	194	180	190
Unit 4	4.32	72.27	200	145	200
Unit 5	11.00	172.73	470	445	475
Unit 6	9.93	164.91	455	291	440
Unit 7	10.59	164.74	450	423	450
Total	44.04	707.22			1925
Paras					
Unit 3	0.00	82.15	0	0	0
Unit 4	5.84	88.14	254	228	230
Total	5.84	170.29			230
Khaparkheda					
Unit 1	4.73	76.36	210	170	210
Unit 2	0.00	59.73	0	0	0
Unit 3	1.45	55.34	207	0	0
Unit 4	4.14	76.08	222	0	210
Unit 5	6.24	97.79	325	220	
Total	16.55	365.30			420
Nasik					
Unit 3	5.12	78.75	220	200	210
Unit 4	4.72	75.39	204	183	210
Unit 5	4.54	73.38	200	173	170
Total	14.39	227.53			590
Uran					
All Units	14.48	235.05	644	537	620
Total	14.48	235.05			620
PENCH (MS)					
Pench (MS)	0.11	5.11	25	0	
Total	0.11	5.11			
Koyna					
Stage 1-2	5.58	37.84	520	40	600
Stage 4	10.29	20.97	939	0	250
Stage 3	3.88	13.94	320	0	320
Total	19.74	72.75			1170
Kovna 12&4 Total	15.86	58.81			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	6.49	0	0	0
VTRNA	1.00	12.73	61	0	60
TILLARI	0.35	5.58	60	0	60
BHTGR/VEER	0.39	3.85	17	16	17
BHIRA T.R.	0.16	2.44	77	0	80
RNGR+BHTSA	0.29	4.87	13	12	12
BHANDARDRA	0.82	8.50	34	34	34
ELDARY	0.24	2.17	11	10	10
SMLHY PTN	0.72	11.64	38	27	10
GHATGHAR	1.02	15.14	250	0	0
Total	4.99	73.41			283
Wind					
MalharPeth	0.25	4.64			
Vankuswadi	0.36	7.73			
ATIT	0.13	1.77			
Kale	0.14	2.91			
Satara	0.38	10.27			
Shirala	0.18	2.72			
K Mahankal	0.25	4.62			
Supa	0.14	2.27			
Vita	0.65	8.80			
Dondaicha	1.90	52.29			
Sakri	0.35	7.89			
Nandurbar	0.17	5.38			
Khandke	0.21	4.27			
Khaparale	0.17	5.04			
Total	5.26	120.59			
CPP					
JSW JAIGAD	19.60	419.86	845	750	770
WARDHA	9.13	145.40	402	344	358
Other CPPs	10.10	168.37			
Total	38.83	733.62			1128
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.24	171.84	508	281	500
Trombay 6	8.58	105.41	503	156	500
Trombay 7A	2.92	46.99	124	119	120
Trombay 7B	1.64	26.13	69	67	60
Trombay 8	5.92	94.34	253	197	250
TATA Hydro	4.28	50.10	393	0	447
Total	34.59	494.81			1877
REL					
1&2	12.53	201.26	524	519	500
Total	12.53	201.26			500
Cent Sect					
Share					5129
Total					5129

MS PG CL	Thermal	106.90	1970.85			4055
	Thml+Gas	121.37	2205.90			4675
	Hydro	24.74	146.16			1453
	Total	146.11	2352.06			6128
State Total		237.43	3907.46			14762

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4180	601	560	5341	119	1617	4736	6466	-608	-559	12984	193	13177	2178	15355	49.79
2	4190	661	554	5405	169	1510	4633	6247	-492	-473	12858	301	13159	2005	15164	49.81
3	4226	564	540	5330	167	1513	4597	5962	-446	-423	12549	329	12878	1886	14764	49.87
4	4235	299	554	5088	167	1511	4601	5872	-446	-422	12216	336	12552	1799	14351	49.90
5	4254	304	556	5114	157	1521	4607	5959	-446	-411	12340	343	12683	1759	14442	49.76
6	4251	906	537	5694	152	1544	4580	5588	-446	-340	12638	510	13148	1840	14988	49.72
7	4316	861	644	5821	74	1542	4580	5256	-452	-293	12400	1016	13416	1885	15301	49.82
8	4458	737	642	5837	56	1579	4588	5222	-452	-314	12380	1029	13409	1989	15398	49.98
9	4419	688	634	5741	71	1637	4587	5523	-462	-393	12579	1015	13594	2280	15874	49.86
10	4237	1040	616	5893	60	1645	4665	5906	-536	-476	13028	855	13883	2643	16526	49.81
11	4254	1445	613	6312	63	1662	4769	6001	-659	-568	13470	949	14419	2910	17329	49.82
12	4329	1814	618	6761	52	1671	4860	5991	-749	-678	13797	1035	14832	3037	17869	49.83
13	4356	1598	615	6569	84	1683	4839	6053	-739	-711	13678	1047	14725	3076	17801	49.80
14	4408	1686	613	6707	154	1685	4826	5815	-729	-776	13585	990	14575	3056	17631	49.74
15	4533	1839	615	6987	249	1673	4832	5725	-736	-794	13840	852	14692	3077	17769	49.76
16	4555	1674	609	6838	287	1661	4832	5779	-747	-745	13820	897	14717	3071	17788	49.81
17	4637	1426	611	6674	382	1670	4822	5131	-749	-797	13060	952	14012	3038	17050	49.97
18	4725	330	616	5671	435	1660	4685	4656	-613	-663	11759	844	12603	2955	15558	49.99
19	4746	290	640	5676	435	1665	4784	4855	-594	-524	12107	634	12741	2809	15550	49.75
20	4665	1241	605	6511	406	1642	5010	5163	-647	-589	13150	551	13701	2877	16578	49.68
21	4772	1214	610	6596	405	1618	5006	5038	-627	-500	13182	490	13672	2689	16361	49.72
22	4750	1150	613	6513	313	1628	5023	5141	-650	-536	13084	365	13449	2609	16058	49.64
23	4740	1041	629	6410	381	1636	4922	5261	-698	-651	13060	322	13382	2567	15949	49.67
24	4662	1330	631	6623	423	1654	4827	5490	-705	-739	13475	229	13704	2452	16156	49.84
MUs	106.90	24.74	14.48	146.11	5.26	38.83	114.21	134.10	-14.43	-13.38	311.04	16.08	327.12	60.49	387.61	49.81

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 16/Apr/2012

Position as on 6.30 Hrs of 17/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	16/04/2012	14.00	Coal shortage.	
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.	
Bhusawal Unit 2	210	12/04/2012	22.20	16/04/2012	09.32	Condensor T/L.	
Cent_Sect Sipat-4	500	14/04/2012	13.16		Continued.	Boiler tube leakaage.	17/04/2012
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.	
Khaparkheda Unit 3	210	15/04/2012	16:16	16/04/2012	14.17	Boiler Tube Leakage.	
Paras Unit 3	250	15/04/2012	16:16		Continued.	Boiler Tube Liakage.	18/04/2012
Cent_Sect NTPC(V-7)	500	15/04/2012	23:07		Continued.	Boiler Tube Leakage.	18/04/2012
CPP JSW (J) U1	300	16/04/2012	00:01		Continued.	P A Fan Problem.	19/04/2012
Koyna ST - IV 4	250	16/04/2012	05:56	16/04/2012	11:42	Turbine Guide Bearing Oil Temp. very High.	
Khaparkheda Unit 4	210	16/04/2012	08.50	16/04/2012	12.48	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2012

Position as on 6.30 Hrs of 17/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		Continued.	Over Voltage.
Kolhapur - Mapusa - I	14/04/2012	18.06		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-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.
Newkoyna - Jaigad - I	16/04/2012	09.59	16/04/2012	14.55	Cold Line Washing of Insulators.
Karad-Jaigad II	16/04/2012	15.30		Continued.	Cold Line Insulator Washing.Ready for Charging @ 18.27 dt 16.04.2012.
Chandrapur - Parli - I	16/04/2012	15.58	16/04/2012	16.50	Line Reactor Oil Topping Work & Attending Oil Leakage.
50 MVAR line Reactor of Chandrapur-Parly-I at Chandrapur	16/04/2012	16.50		Continued.	Filtration 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
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.
Mulund - Bhandup (GIS)	12/04/2012	08.24	16/04/2012	15.30	Railway crossing stringing work.
Chandrapur - Warora	12/04/2012	15.17	16/04/2012	09.36	To control Wardha-Warora line loading.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Bhosari-C'enka	15/04/2012	22:04	16/04/2012	00:27	Jumpering Work.
220 KV Bus Section - II at Bhosari.	15/04/2012	22:10	16/04/2012	00:22	Jumpering Work.
Kalwa - Borivali	16/04/2012	00:02	16/04/2012	03:13	Railway Crossing Work.
Nivali-Pawas	16/04/2012	09.55	16/04/2012	16.02	For Attending Red Hot Spot.
220/110KV, 200MVA T/F-III at Mudshingi	16/04/2012	10.03	16/04/2012	19.30	Q.M.Work.
ONGC-JNPT	16/04/2012	10.15	16/04/2012	20.15	Line Maintenance Work.
Uran - Apta (HOC)	16/04/2012	11.42	16/04/2012	19.57	Testing Work.
Bus Coupler at Varsova	16/04/2012	22.32	16/04/2012	23.51	For attending air leakage from main compresor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/04/2012	17:01	16/04/2012	08.45	Over Voltage.
Karad - Kolhapur - II	15/04/2012	17:41	16/04/2012	09.22	Over Voltage.
Bhusawal- Aurangabad	16/04/2012	17.32		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2012

Position as on 6.30 Hrs of 17/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220KV 500MVA ICT- I at Khaperkheda	17/04/2012	01.05	17/04/2012	05.20	Due to D C Supply Problem.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
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		Continued.	To Control Wardha-Warora L/L.
Voltage Level : 220KV			Outage Type TRIPPED		
Uran -Apta-III	16/04/2012	02:57	16/04/2012	03:27	Distance Protection.
Warora-Wardha	16/04/2012	09.31	17/04/2012	05.11	Distance Protection Operated Z-I R Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	120
Unit 7	210	120
	620	360
Bhusawal		
Unit 2	210	180
Unit 3	210	0
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	170
Unit 6	250	180
Unit 7	250	180
	1130	700
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	190
Unit 4	210	170
Unit 5	500	460
Unit 6	500	425
Unit 7	500	450
	2340	1855
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	630
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	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	17
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	283
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	770
WARDHA	405	397
Other CPPs	0	
	1005	1167
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	5373
	3455	5373

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