



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

**State Load Dispatch Center,  
Airoli**

**Daily system Report**

**for**

**23/Apr/2012**

**State Load Dispatch Center, Airoli (MSETCL)**  
**Daily system Report for 23/Apr/2012 MONDAY**

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.962	2825.164	1) Gujrat	9.502	150.715
2) Hydro	12.654	230.627	2) Madhya Pradesh	22.525	503.537
3) Gas	14.612	339.012	3) Chattisgarh	10.100	245.330
<b>Total MSGENCO</b>	<b>151.228</b>	<b>3394.803</b>	4) Maharashtra	58.604	1343.524
<b>B) OTHERS</b>			5) Goa	-6.250	-151.271
1) JSW JAIGAD	21.148	543.857	6) TAPS 1&2 Injection	7.445	173.544
2) WPCL	9.972	216.151	7) RGPPL Injection	27.920	662.246
3) Other CPP / IPP	9.729	234.969	8) Pench (Excess)	-0.072	-5.867
4) Wind Generation	9.687	168.851	<b># Total Cent. Sector</b>	<b>129.774</b>	<b>2921.758</b>
5) PENCH (MS)	0.072	5.867	<b>F) Other Exchanges</b>		
<b>C) TPCL &amp; REL</b>			1) With TPCL (Excess)	-18.048	-299.816
1) TPCL Thermal	29.604	647.512	<b>G) Bilateral Power *</b>		
2) TPCL Hydro	3.994	74.182	1) MSEDCL Bilateral	40.738	892.208
<b>TOTAL TPCL</b>	<b>33.598</b>	<b>721.694</b>	Include PX	2.650	12.362
3) REL Thermal	6.262	280.851	2) MUMBAI Bilateral	16.821	320.884
<b>D) STATE</b>			Include PX	3.711	52.744
1) Thermal (A1+C1+C3)	159.828	3753.527	3) MUMBAI Schedule	16.821	322.315
2) Hydro (A2+B5+C2)	16.720	310.676	<b>H) ENERGY CATERED (MUs)</b>		
3) Gas (A3)	14.612	339.012	1) MSEDCL	313.562	7186.440
4) Wind (B4)	9.687	168.851	2) TPCL	38.345	850.954
5) CPP (B1+B2+B3)	40.849	994.977	3) REL	19.563	450.862
<b>TOTAL STATE</b>	<b>241.696</b>	<b>5567.043</b>	<b>TOTAL STATE</b>	<b>371.470</b>	<b>8488.256</b>

**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	5141	5167	5215
MSGENCO Hydro	1269	936	105
MSGENCO Gas	600	611	600
<b>MSGENCO Total Generation</b>	<b>7010</b>	<b>6714</b>	<b>5920</b>
Central Sector Receipt	6105	5212	4761
WIND	69	507	550
CPP / IPP	1682	1735	1557
Exchange with Mumbai	-1176	-722	-430
<b>MSEDCL DEMAND MET</b>	<b>13690</b>	<b>13446</b>	<b>12358</b>
Load Shedding	1165	1045	403
<b>MSEDCL DEMAND</b>	<b>14855</b>	<b>14491</b>	<b>12761</b>
TPCL GENERATION	1582	1808	1080
R-INFRA GENERATION	260	261	262
<b>TPCL+R-INFRA DEMAND</b>	<b>3018</b>	<b>2791</b>	<b>1772</b>
<b>STATE DEMAND MET</b>	<b>16708</b>	<b>16237</b>	<b>14130</b>
<b>STATE DEMAND</b>	<b>17873</b>	<b>17282</b>	<b>14533</b>
Frequency (Hz)	49.85	49.76	50.01

**FREQUENCY PARTICULARS**

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 06.02 Hrs	49.39 Hz at 22.36 Hrs	49.85	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 23/Apr/2012

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
<b>Koradi</b>						<b>Hydro</b>						
Unit 5	3.43	76.48	155	128	145	KDPH	0.72	9.73	37	18	18	
Unit 6	4.04	71.52	185	144	170	VTRNA	0.81	19.34	61	0	60	
Unit 7	3.84	81.04	175	130	170	TILLARI	0.36	7.58	60	0	60	
<b>Total</b>	<b>11.30</b>	<b>229.04</b>			<b>485</b>	BHTGR/VEER	0.36	6.43	15	15	14	
<b>Bhusawal</b>						BHIRA T.R.	0.11	3.61	51	0	80	
Unit 2	4.16	78.75	185	155	180	RNGR+BHTSA	0.29	6.93	12	12	12	
Unit 3	4.34	78.08	190	165	180	BHANDARDRA	0.00	8.50	0	0	0	
Unit 4	0.00	23.15	0	0		ELDARY	0.00	3.46	0	0	12	
<b>Total</b>	<b>8.50</b>	<b>179.98</b>			<b>360</b>	SMLHY_PTN	0.54	15.29	30	20	10	
<b>Parli</b>						GHATGHAR	1.36	17.00	250	0	0	
Unit 3	0.00	11.69	0	0	0	<b>Total</b>	<b>4.56</b>	<b>97.88</b>			<b>266</b>	
Unit 4	4.16	87.66	183	149	180	<b>Wind</b>						
Unit 5	4.37	40.79	189	175	180	MalharPeth	0.33	6.31				
Unit 6	4.01	94.23	185	159	180	Vankuswadi	0.44	10.36				
Unit 7	3.75	88.92	179	134	170	ATIT	0.26	2.41				
<b>Total</b>	<b>16.28</b>	<b>323.30</b>			<b>710</b>	Kale	0.20	3.98				
<b>Chandrapur</b>						Satara	0.42	15.01				
Unit 1	0.00	0.00	0	0	0	Shirala	0.47	4.02				
Unit 2	3.98	88.76	170	159	165	K Mahankal	0.31	7.44				
Unit 3	4.52	102.62	195	174	195	Supa	0.12	3.14				
Unit 4	4.71	101.80	204	175	210	Vita	0.91	14.93				
Unit 5	11.03	249.23	465	445	475	Dondaicha	4.42	70.24				
Unit 6	10.14	237.29	450	405	440	Sakri	0.51	10.22				
Unit 7	10.23	235.40	442	400	425	Nandurbar	0.48	7.12				
<b>Total</b>	<b>44.60</b>	<b>1015.10</b>			<b>1910</b>	Khandke	0.56	6.95				
<b>Paras</b>						Khaparale	0.26	6.73				
Unit 3	5.95	111.02	255	234	250	<b>Total</b>	<b>9.69</b>	<b>168.85</b>				
Unit 4	5.53	125.28	260	118	250	<b>CPP</b>						
<b>Total</b>	<b>11.48</b>	<b>236.30</b>			<b>500</b>	JSW JAIGAD	21.15	543.86	1050	757	825	
<b>Khaparkheda</b>						WARDHA	9.97	216.15	430	339	424	
Unit 1	4.33	107.69	190	170	180	Other CPPs	9.73	234.97				
Unit 2	4.32	88.19	186	170	180	<b>Total</b>	<b>40.85</b>	<b>994.98</b>			<b>1249</b>	
Unit 3	4.47	87.76	194	182	180	<b>Tata</b>						
Unit 4	4.41	109.06	193	179	180	Trombay 4	0.00	0.00	0	0	0	
Unit 5	0.00	121.50	0	0		Trombay 5	12.15	251.43	513	459	500	
<b>Total</b>	<b>17.52</b>	<b>514.20</b>			<b>720</b>	Trombay 6	6.86	154.72	503	156	500	
<b>Nasik</b>						Trombay 7A	2.95	67.41	126	119	120	
Unit 3	5.12	114.48	220	205	210	Trombay 7B	1.63	37.54	69	67	60	
Unit 4	4.54	107.89	206	163	210	Trombay 8	6.01	136.41	254	249	250	
Unit 5	4.61	104.87	200	180	195	TATA Hydro	3.99	74.18	386	0	447	
<b>Total</b>	<b>14.27</b>	<b>327.25</b>			<b>615</b>	<b>Total</b>	<b>33.60</b>	<b>721.69</b>			<b>1877</b>	
<b>Uran</b>						<b>REL</b>						
All Units	14.61	339.01	635	588	580	1&2	6.26	280.85	262	259	250	
<b>Total</b>	<b>14.61</b>	<b>339.01</b>			<b>580</b>	<b>Total</b>	<b>6.26</b>	<b>280.85</b>			<b>250</b>	
<b>PENCH (MS)</b>						<b>Cent Sect</b>						
Pench (MS)	0.07	5.87	26	0		Share					5463	
<b>Total</b>	<b>0.07</b>	<b>5.87</b>				<b>Total</b>					<b>5463</b>	
<b>Koyna</b>												
Stage 1-2	2.79	67.82	395	40	600							
Stage 4	3.98	40.68	560	0	250							
Stage 3	1.32	24.24	160	0	320							
<b>Total</b>	<b>8.09</b>	<b>132.75</b>			<b>1170</b>							
<b>Koyna 12&amp;4 Total</b>	<b>6.77</b>	<b>108.50</b>			<b>850</b>							
							MS PG CL	Thermal	123.96	2825.16		5300
								Thml+Gas	138.57	3164.18		5880
								Hydro	12.65	230.63		1436
								Total	151.23	3394.80		7316
							State Total		241.70	5567.04		16155

# State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 23/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 SHEDDING	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5070	115	602	5787	617	1731	5455	5810	-789	-840	13105	203	13308	2209	15517	49.99
2	5065	110	601	5776	611	1691	5349	5323	-664	-638	12763	363	13126	2010	15136	49.98
3	5172	105	601	5878	587	1638	5026	4873	-573	-499	12477	398	12875	1868	14743	49.90
4	5215	105	600	5920	550	1557	5019	4761	-516	-430	12358	403	12761	1772	14533	50.01
5	5218	115	601	5934	568	1575	5005	4953	-502	-410	12620	410	13030	1732	14762	49.92
6	5209	105	600	5914	531	1566	4980	5123	-486	-388	12746	607	13353	1753	15106	49.91
7	5267	115	616	5998	506	1626	4983	4957	-507	-405	12682	1148	13830	1777	15607	50.04
8	5226	141	606	5973	244	1672	5001	4943	-507	-483	12349	1141	13490	1871	15361	49.89
9	5189	183	596	5968	176	1677	5072	5358	-517	-727	12452	1119	13571	2211	15782	49.81
10	5157	511	593	6261	132	1672	5041	6125	-611	-1046	13144	968	14112	2662	16774	49.78
11	5131	978	588	6697	102	1678	5111	6220	-744	-1205	13492	1078	14570	2952	17522	49.79
12	5141	1269	600	7010	69	1682	5511	6105	-859	-1176	13690	1165	14855	3018	17873	49.85
13	5144	1143	597	6884	66	1651	5497	6000	-888	-993	13608	1199	14807	2927	17734	49.78
14	5134	1134	595	6863	116	1687	5435	5929	-838	-906	13689	1134	14823	2926	17749	49.74
15	5157	1095	607	6859	238	1674	5695	5840	-860	-829	13782	958	14740	2883	17623	49.74
16	5171	1029	606	6806	330	1789	5714	5804	-878	-808	13921	990	14911	2863	17774	49.78
17	5167	936	611	6714	507	1735	5103	5212	-802	-722	13446	1045	14491	2791	17282	49.76
18	5175	276	612	6063	514	1738	5008	4746	-683	-745	12316	904	13220	2768	15988	49.89
19	5120	229	624	5973	586	1737	5149	4680	-709	-664	12312	533	12845	2598	15443	49.96
20	5143	421	626	6190	502	1745	5293	5549	-765	-758	13228	584	13812	2622	16434	49.93
21	5173	519	634	6326	650	1755	5235	5518	-719	-770	13479	550	14029	2528	16557	49.86
22	5147	429	635	6211	624	1820	5100	5215	-734	-735	13158	445	13603	2435	16038	49.78
23	5186	652	631	6469	503	1850	5231	5451	-837	-908	13391	385	13776	2387	16163	49.67
24	5185	939	630	6754	358	1903	5237	5279	-834	-963	13354	289	13643	2345	15988	49.61
<b>MUs</b>	<b>123.96</b>	<b>12.65</b>	<b>14.61</b>	<b>151.23</b>	<b>9.69</b>	<b>40.85</b>	<b>125.25</b>	<b>129.77</b>	<b>-16.82</b>	<b>-18.05</b>	<b>313.56</b>	<b>18.02</b>	<b>331.58</b>	<b>57.91</b>	<b>389.49</b>	<b>49.85</b>

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 23/Apr/2012**

Position as on 6.30 Hrs of 24/Apr/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
<b>PLANNED OUTAGE</b>							
Chandrapur Unit 1	210	11/03/2012	08.48		Continued.	Annual Overhaul	24/04/2012
Cent_Sect NTPC(K-6)	500	09/04/2012	00.09		Continued.	Annual Overhaul	
Koyna Unit 4	75	23/04/2012	07.05	23/04/2012	18.30	P.M.Work.	
<b>FORCED OUTAGE</b>							
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.	
CPP JSW (J) U1	300	16/04/2012	00:01	23/04/2012	20.04	P A Fan Problem.	
Khaparkheda Unit 5	500	21/04/2012	12:53		Continued.	Coal Shortage.	24/04/2012
REL 1	250	22/04/2012	16.47		Continued.	Boiler Tube Leakage	
CPP WPCL U-3	135	23/04/2012	11.44	23/04/2012	12.57	Flame Failure.	
Dabhol 2B	230	23/04/2012	21.22		Continued.	W/D Due to Gas Shortage.	

**State Load Dispatch Center,Airoli (MSETCL)**  
**Details of Line outages/Trippings for 23/Apr/2012**

Position as on 6.30 Hrs of 24/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
<b>InterState</b>					
<b>Voltage Level : 400KV</b>			<b>Outage Type HAND TRIPPED</b>		
Dhule - S'Sarovar- II	22/04/2012	16.18		Continued.	Over Voltage
Kolhapur - Mapusa - I	23/04/2012	00.35	23/04/2012	10.08	Over Voltage
Kolhapur-Mapusa-II	23/04/2012	17.15		Continued.	Over Voltage.
<b>IntraState</b>					
<b>Voltage Level : 400KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
400/220KV,315 MVA ICT-I at Kolhapur.	23/04/2012	09.05	23/04/2012	20.43	Tan Delta Measurment of Bushing.
Newkoyna - Jaigad - I	23/04/2012	10.16	23/04/2012	15.32	Cold Line Insulator Washing.
<b>Voltage Level : 220KV</b>			<b>Outage Type PLANNED OUTAGE</b>		
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.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Trombay-Kalwa	23/04/2012	05.41	23/04/2012	06.28	Passing of Consignment of M/S.Godrej
Trombay-Mulund	23/04/2012	05.43	23/04/2012	06.30	Passing of Consignment of M/S.Godrej
Ambazari-Amravati	23/04/2012	07.55		Continued.	Replacement of Line Insulator.
220/110 KV 100 MVA T/F - II @ @ Wathar	23/04/2012	09.15	23/04/2012	12.45	Q.M.Work.
Dhule - Amalner	23/04/2012	09.17	23/04/2012	15.01	Stringing Work for Line Reorientation.
220/110KV, 200MVA T/F-III at Mudshingi	23/04/2012	10.01	23/04/2012	15.23	Testing Work.
Miraj - Tilwani	23/04/2012	10.07	23/04/2012	15.32	For Attending Hot Spot on 220KV C B R Ph
Uran - JNPT	23/04/2012	10.28	23/04/2012	17.14	String Insulator Replacement on Line.
220/110KV 100 MVA ICT-II @ Miraj.	23/04/2012	11.00	23/04/2012	17.15	Q.M.Work.
Kalwa - Ghatghar	23/04/2012	11.40	24/04/2012	04.35	LILO Work @ 220KV Bapgaon S/S.
220/6.6 KV 40 MVA Station T/F - III @ Koradi	23/04/2012	13.20	23/04/2012	15.53	ON TBC (Attending Air Leakage from Air Compressor).
<b>Voltage Level : 400KV</b>			<b>Outage Type HAND TRIPPED</b>		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/04/2012	17.06	23/04/2012	08.21	Over Voltage
Bhusawal- Aurangabad	23/04/2012	17.31		Continued.	Over Voltage.
<b>Voltage Level : 220KV</b>			<b>Outage Type HAND TRIPPED</b>		
Padgha-Temghar I	16/04/2012	10.36		Continued.	To Control Padghe ICT Loading.
Chalishaon - Malegaon	20/04/2012	10.16		Continued.	Own Bkr.Prob(Line on TBC)
<b>Voltage Level : 400KV</b>			<b>Outage Type TRIPPED</b>		

**State Load Dispatch Center, Airoli (MSETCL)**  
**Details of Line outages/Trippings for 23/Apr/2012**

Position as on 6.30 Hrs of 24/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chandrapur - Khaparkheda	23/04/2012	08.58	23/04/2012	10.33	Distance Protection.
<b>Voltage Level : 220KV</b>			<b>Outage Type TRIPPED</b>		
Talangade-Mudshingi-II	23/04/2012	14.26	23/04/2012	14.41	Distance Protection.

# State Load Dispatch Center, Airoli (MSETCL)

## Details of On Line Capacity for 24/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
<b>Koradi</b>			BHTGR/VEER	21	15
Unit 5	200	125	BHIRA T.R.	80	80
Unit 6	210	125	RNGR+BHTSA	20	12
Unit 7	210	160	BHANDARDRA	45	0
	<b>620</b>	<b>410</b>	ELDARY	23	0
<b>Bhusawal</b>			SMLHY_PTN	12	26
Unit 2	210	180	GHATGHAR	250	
Unit 3	210	180		<b>611</b>	<b>271</b>
Unit 4	500		<b>Wind</b>		
	<b>920</b>	<b>360</b>	MalharPeth	0	
<b>Parli</b>			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	180	Kale	0	
Unit 5	210	180	Satara	0	
Unit 6	250	160	Shirala	0	
Unit 7	250	160	K Mahankal	0	
	<b>1130</b>	<b>680</b>	Supa	0	
<b>Chandrapur</b>			Vita	0	
Unit 1	210	0	Dondaicha	0	
Unit 2	210	165	Sakri	0	
Unit 3	210	195	Nandurbar	0	
Unit 4	210	200	Khandke	0	
Unit 5	500	475	Khaparale	0	
Unit 6	500	440		<b>0</b>	
Unit 7	500	425	<b>CPP</b>		
	<b>2340</b>	<b>1900</b>	JSW_JAIGAD	600	810
<b>Paras</b>			WARDHA	405	425
Unit 3	250	250	Other_CPPs	0	
Unit 4	250	250		<b>1005</b>	<b>1235</b>
	<b>500</b>	<b>500</b>	<b>Tata</b>		
<b>Khaparkheda</b>			Trombay 4	150	0
Unit 1	210	180	Trombay 5	500	500
Unit 2	210	180	Trombay 6	500	500
Unit 3	210	180	Trombay 7A	120	120
Unit 4	210	180	Trombay 7B	60	60
Unit 5	500		Trombay 8	250	250
	<b>1340</b>	<b>720</b>	TATA Hydro	444	447
<b>Nasik</b>				<b>2024</b>	<b>1877</b>
Unit 3	210	210	<b>REL</b>		
Unit 4	210	190	1&2	500	250
Unit 5	210	200		<b>500</b>	<b>250</b>
	<b>630</b>	<b>600</b>	<b>Cent Sect</b>		
<b>Uran</b>			Share	3455	5259
All Units	852	600		<b>3455</b>	<b>5259</b>
	<b>852</b>	<b>600</b>			
<b>PENCH (MS)</b>					
Pench (MS)	53				
	<b>53</b>				
<b>Koyna</b>					
Stage 1-2	600	520			
Stage 4	1000	250			
Stage 3	320	320			
	<b>1920</b>	<b>1090</b>			
<b>Hydro</b>					
KDPH	40	18			
VTRNA	60	60			
TILLARI	60	60			