



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Apr/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	131.736	3643.850	1) Gujrat	3.585	202.795
2) Hydro	5.856	306.797	2) Madhya Pradesh	22.486	662.455
3) Gas	11.060	419.919	3) Chattisgarh	10.730	320.940
Total MSGENCO	148.652	4370.566	4) Maharashtra	63.825	1810.214
B) OTHERS			5) Goa	-6.769	-196.753
1) JSW JAIGAD	27.486	739.967	6) TAPS 1&2 Injection	7.755	227.203
2) WPCL	8.273	277.139	7) RGPPL Injection	26.232	836.124
3) Other CPP / IPP	10.637	299.261	8) Pench (Excess)	-0.152	-6.495
4) Wind Generation	12.060	233.527	# Total Cent. Sector	127.692	3856.483
5) PENCH (MS)	0.152	6.495	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.279	-389.417
1) TPCL Thermal	26.492	847.054	G) Bilateral Power *		
2) TPCL Hydro	5.130	102.020	1) MSEDCL Bilateral	46.471	1203.223
TOTAL TPCL	31.622	949.074	Include PX	0.000	26.576
3) REL Thermal	12.498	364.515	2) MUMBAI Bilateral	15.340	419.452
D) STATE			Include PX	4.643	78.133
1) Thermal (A1+C1+C3)	170.726	4855.419	3) MUMBAI Schedule	15.340	425.360
2) Hydro (A2+B5+C2)	11.138	415.312	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.060	419.919	1) MSEDCL	320.673	9394.021
4) Wind (B4)	12.060	233.527	2) TPCL	38.747	1115.300
5) CPP (B1+B2+B3)	46.396	1316.367	3) REL	19.681	587.184
TOTAL STATE	251.380	7240.544	TOTAL STATE	379.101	11096.505

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	5438	5445	5452
MSGENCO Hydro	548	282	105
MSGENCO Gas	453	460	465
MSGENCO Total Generation	6439	6187	6022
Central Sector Receipt	5877	5492	4757
WIND	316	562	568
CPP / IPP	2006	1970	1899
Exchange with Mumbai	-796	-789	-417
MSEDCL DEMAND MET	13867	13422	12829
Load Shedding	819	424	0
MSEDCL DEMAND	14686	13846	12829
TPCL GENERATION	1625	1596	856
R-INFRA GENERATION	524	519	521
TPCL+R-INFRA DEMAND	2945	2904	1794
STATE DEMAND MET	16812	16326	14623
STATE DEMAND	17631	16750	14623
Frequency (Hz)	49.92	49.84	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 18.03 Hrs	49.36 Hz at 23.19 Hrs	49.94	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 30/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.09	98.63	145	107	115
Unit 6	3.10	94.78	155	107	115
Unit 7	3.80	105.33	165	150	165
Total	9.99	298.73			395
Bhusawal					
Unit 2	3.94	106.96	185	150	180
Unit 3	4.00	107.34	180	135	180
Unit 4	3.05	32.72	161	0	
Total	10.99	247.02			360
Parli					
Unit 3	4.37	21.04	199	172	185
Unit 4	2.82	111.86	126	112	115
Unit 5	4.18	69.58	186	152	140
Unit 6	3.86	122.95	170	151	170
Unit 7	1.04	103.49	162	0	130
Total	16.27	428.93			740
Chandrapur					
Unit 1	3.66	11.29	165	133	160
Unit 2	3.84	115.64	168	133	165
Unit 3	3.95	133.42	185	143	190
Unit 4	3.35	129.85	158	126	160
Unit 5	10.94	301.12	470	415	475
Unit 6	9.00	280.66	445	176	420
Unit 7	10.26	304.50	454	377	450
Total	44.99	1276.48			2020
Paras					
Unit 3	5.81	152.62	257	218	250
Unit 4	5.78	166.89	256	181	250
Total	11.59	319.51			500
Khaparkheda					
Unit 1	4.31	137.38	200	165	190
Unit 2	4.30	118.17	191	165	190
Unit 3	4.62	119.26	198	186	190
Unit 4	4.54	140.75	196	175	190
Unit 5	5.89	141.50	276	181	
Total	23.67	657.07			760
Nasik					
Unit 3	5.01	150.24	220	195	210
Unit 4	4.69	128.78	210	154	210
Unit 5	4.54	137.08	198	170	200
Total	14.24	416.10			620
Uran					
All Units	11.06	419.92	465	453	450
Total	11.06	419.92			450
PENCH (MS)					
Pench (MS)	0.15	6.50	25	0	
Total	0.15	6.50			
Koyna					
Stage 1-2	1.26	88.48	180	40	600
Stage 4	0.00	62.59	0	0	250
Stage 3	0.82	33.65	160	0	320
Total	2.08	184.71			1170
Kovna 12&4 Total	1.26	151.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.43	13.80	19	18	18
VTRNA	0.82	24.14	61	0	60
TILLARI	0.11	8.66	55	0	60
BHTGR/VEER	0.31	8.68	13	13	13
BHIRA T.R.	0.14	4.84	64	0	80
RNGR+BHTSA	0.29	8.93	12	12	12
BHANDARDRA	0.00	10.19	0	0	0
ELDARY	0.00	3.46	0	0	0
SMLHY PTN	0.47	18.92	27	17	10
GHATGHAR	1.20	20.47	161	0	0
Total	3.78	122.08			253
Wind					
MalharPeth	0.57	8.53			
Vankuswadi	0.85	13.87			
ATIT	0.10	2.86			
Kale	0.24	5.33			
Satara	0.79	20.39			
Shirala	0.54	5.58			
K Mahankal	0.45	9.72			
Supa	0.25	4.66			
Vita	1.13	20.54			
Dondaicha	4.61	97.20			
Sakri	0.63	13.88			
Nandurbar	0.43	9.69			
Khandke	0.90	11.78			
Khaparale	0.58	9.51			
Total	12.06	233.53			
CPP					
JSW JAIGAD	27.49	739.97	1198	1096	1085
WARDHA	8.27	277.14	353	335	350
Other CPPs	10.64	299.26	157	156	
Total	46.40	1316.37			1435
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.09	333.93	511	286	500
Trombay 6	4.97	198.07	376	155	500
Trombay 7A	2.88	87.70	127	109	120
Trombay 7B	1.61	48.85	69	63	60
Trombay 8	5.94	178.51	253	196	250
TATA Hydro	5.13	102.02	417	0	447
Total	31.62	949.07			1877
REL					
1&2	12.50	364.52	524	505	500
Total	12.50	364.52			500
Cent Sect					
Share					5508
Total					5508

MS PG CL	Thermal	131.74	3643.85			5395
	Thml+Gas	142.80	4063.77			5845
	Hydro	5.86	306.80			1423
	Total	148.65	4370.57			7268
State Total		251.38	7240.54			16588

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5327	105	464	5896	518	1961	5340	5733	-682	-535	13573	0	13573	2168	15741	50.03
2	5336	100	464	5900	578	1921	5227	5272	-566	-469	13202	0	13202	1996	15198	50.02
3	5381	100	465	5946	564	1898	5090	4936	-490	-448	12896	0	12896	1870	14766	50.02
4	5452	105	465	6022	568	1899	5040	4757	-436	-417	12829	0	12829	1794	14623	50.12
5	5444	100	465	6009	537	1897	5025	4904	-419	-391	12956	0	12956	1748	14704	50.12
6	5450	105	465	6020	461	1890	4995	5298	-394	-335	13334	0	13334	1798	15132	49.91
7	5604	193	463	6260	454	1894	4948	5169	-399	-288	13489	0	13489	1819	15308	50.03
8	5549	316	465	6330	369	1908	4903	5161	-409	-258	13510	0	13510	1923	15433	49.93
9	5529	323	464	6316	437	1995	4950	5258	-409	-403	13603	73	13676	2218	15894	49.91
10	5545	331	462	6338	382	1991	5087	5735	-502	-670	13794	404	14198	2616	16814	49.88
11	5463	438	456	6357	331	1994	5311	6113	-723	-829	13991	663	14654	2905	17559	49.89
12	5438	548	453	6439	316	2006	5478	5877	-893	-796	13867	819	14686	2945	17631	49.92
13	5434	333	454	6221	326	1985	5455	5928	-878	-711	13749	866	14615	2939	17554	50.00
14	5515	128	456	6099	402	1971	5427	5855	-857	-708	13619	678	14297	2838	17135	50.00
15	5542	160	458	6160	378	1977	5438	6188	-870	-784	13919	497	14416	2927	17343	49.89
16	5498	236	456	6190	481	1976	5423	5932	-898	-818	13761	420	14181	2933	17114	49.85
17	5445	282	460	6187	562	1970	5421	5492	-898	-789	13422	424	13846	2904	16750	49.84
18	5503	166	460	6129	633	1895	5235	4383	-742	-805	12235	102	12337	2812	15149	50.06
19	5581	176	462	6219	733	1903	5131	4397	-600	-680	12572	0	12572	2675	15247	50.04
20	5599	275	461	6335	635	1969	5377	4878	-630	-686	13131	154	13285	2698	15983	49.91
21	5589	312	462	6363	576	1905	5424	4951	-614	-598	13220	212	13432	2641	16073	49.92
22	5565	291	462	6318	544	1872	5433	4933	-631	-564	13127	21	13148	2489	15637	49.83
23	5497	311	459	6267	623	1856	5342	5144	-682	-616	13297	0	13297	2388	15685	49.70
24	5450	422	459	6331	652	1863	5255	5398	-716	-681	13577	0	13577	2355	15932	49.69
MUs	131.74	5.86	11.06	148.65	12.06	46.40	125.76	127.69	-15.34	-14.28	320.67	5.33	326.01	58.40	384.41	49.94

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 30/Apr/2012

Position as on 6.30 Hrs of 01/May/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(K-6)	500	09/04/2012	00.09		Continued.	Annual Overhaul	
Cent_Sect NTPC(V-4)	210	25/04/2012	00.07		Continued.	A/OH.	
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	30/05/2012
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.	
Cent_Sect Gandhar U3	144	09/04/2012	21.03		Continued.	Less Schedule.	
Cent_Sect Kawas GT1A	106	26/04/2012	18:13		Continued.	Less requisition.	
Cent_Sect Kawas GT1B	106	26/04/2012	18:16		Continued.	Less requisition.	
CPP WPCL U-1	135	28/04/2012	17.44		Continued.	PA Fan Temp.High	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Bhusawal Unit 4	500	29/04/2012	21.40	30/04/2012	01.24	Drum Level High	
Cent_Sect NTPC(V-2)	210	30/04/2012	07.14		Continued.	Boiler Tube Leakage.	
Parli Unit 7	250	30/04/2012	07.49		Continued.	Coal Handling Problem.	
Koyna Unit 3	75	30/04/2012	11.20		Continued.	For Installation & Commissioning of Numerical Relay.	10/04/2012
Koradi Unit 6	210	01/05/2012	06.24		Continued.	Air Heater Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2012

Position as on 6.30 Hrs of 01/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	30/04/2012	08.11	30/04/2012	18.52	Maintenance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	25/04/2012	18.11		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	29/04/2012	18.04		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
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
400/220 KV 315MVA ICT-II @ Kolhapur	30/04/2012	08.08	30/04/2012	18.12	Q.M.Work.
Bableshwar-Aurangabad	30/04/2012	10.11	30/04/2012	18.53	R Ph. C V T Replacement.
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.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Pawas-Kharepatan	30/04/2012	09.39	30/04/2012	17.07	Cold Washing of Insulator.
Junction Breaker @ Pophali	30/04/2012	10.20	30/04/2012	17.55	Preventive Maintenance Work.
Boisor-Versova	30/04/2012	10.24	30/04/2012	15.02	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/04/2012	17.33	30/04/2012	06.38	Over Voltage
Bhusawal- Aurangabad	30/04/2012	18.13		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Parli - I	30/04/2012	17.04	30/04/2012	17.53	Distance Protection.
Nagothane-Dabhol-I	01/05/2012	04.11		Continued.	Distance Protection,Declared Faulty.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	140
Unit 7	210	120
	620	395
Bhusawal		
Unit 2	210	160
Unit 3	210	150
Unit 4	500	
	920	310
Parli		
Unit 3	210	175
Unit 4	210	155
Unit 5	210	190
Unit 6	250	175
Unit 7	250	0
	1130	695
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	170
Unit 4	210	200
Unit 5	500	475
Unit 6	500	430
Unit 7	500	450
	2340	2050
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
Unit 5	500	
	1340	760
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
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	18
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	13
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	
	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	1085
WARDHA	405	340
Other CPPs	0	
	1005	1425
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	5431
	3455	5431

	17900	16067
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