



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Apr/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.691	2946.855	1) Gujrat	11.997	162.712
2) Hydro	11.299	241.926	2) Madhya Pradesh	23.023	526.560
3) Gas	12.812	351.824	3) Chattisgarh	10.250	255.580
Total MSGENCO	145.802	3540.605	4) Maharashtra	64.481	1408.005
B) OTHERS			5) Goa	-6.155	-157.426
1) JSW JAIGAD	27.246	571.103	6) TAPS 1&2 Injection	7.421	180.965
2) WPCL	10.059	226.210	7) RGPPL Injection	21.914	684.160
3) Other CPP / IPP	10.308	245.277	8) Pench (Excess)	-0.081	-5.948
4) Wind Generation	8.338	177.189	# Total Cent. Sector	132.850	3054.608
5) PENCH (MS)	0.081	5.948	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.540	-317.356
1) TPCL Thermal	29.190	676.702	G) Bilateral Power *		
2) TPCL Hydro	3.285	77.467	1) MSEDCL Bilateral	43.728	935.936
TOTAL TPCL	32.475	754.169	Include PX	2.552	14.914
3) REL Thermal	8.370	289.221	2) MUMBAI Bilateral	17.238	338.122
D) STATE			Include PX	5.352	58.096
1) Thermal (A1+C1+C3)	159.251	3912.778	3) MUMBAI Schedule	18.213	344.031
2) Hydro (A2+B5+C2)	14.665	325.341	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.812	351.824	1) MSEDCL	317.144	7503.584
4) Wind (B4)	8.338	177.189	2) TPCL	38.592	889.546
5) CPP (B1+B2+B3)	47.613	1042.590	3) REL	19.793	470.655
TOTAL STATE	242.679	5809.722	TOTAL STATE	375.529	8863.785

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5035	5033	5086
MSGENCO Hydro	1382	327	193
MSGENCO Gas	465	447	634
MSGENCO Total Generation	6882	5807	5913
Central Sector Receipt	6126	6048	4846
WIND	102	356	376
CPP / IPP	2037	2035	1849
Exchange with Mumbai	-1064	-722	-453
MSEDCL DEMAND MET	14083	13524	12531
Load Shedding	977	936	357
MSEDCL DEMAND	15060	14460	12888
TPCL GENERATION	1589	1688	1074
R-INFRA GENERATION	259	470	262
TPCL+R-INFRA DEMAND	2912	2880	1789
STATE DEMAND MET	16995	16404	14320
STATE DEMAND	17972	17340	14677
Frequency (Hz)	49.82	49.93	49.60

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 18.01 Hrs	49.41 Hz at 04.54 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 24/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.22	79.70	153	114	125
Unit 6	3.38	74.90	159	123	125
Unit 7	3.40	84.44	170	110	160
Total	10.00	239.04			410
Bhusawal					
Unit 2	4.06	82.82	185	150	180
Unit 3	4.30	82.38	190	165	180
Unit 4	0.00	23.15	0	0	
Total	8.36	188.34			360
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	3.80	91.46	186	132	180
Unit 5	4.36	45.15	189	163	180
Unit 6	3.93	98.16	183	145	160
Unit 7	3.58	92.49	193	125	160
Total	15.66	338.96			680
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.85	92.61	165	152	165
Unit 3	4.53	107.15	193	178	195
Unit 4	4.65	106.45	201	164	200
Unit 5	10.93	260.16	470	440	475
Unit 6	10.12	247.41	435	396	440
Unit 7	10.26	245.66	441	405	425
Total	44.35	1059.45			1900
Paras					
Unit 3	5.96	116.98	255	240	250
Unit 4	5.89	131.17	260	211	250
Total	11.85	248.15			500
Khaparkheda					
Unit 1	4.38	112.06	200	170	180
Unit 2	4.00	92.19	185	150	180
Unit 3	4.35	92.11	185	171	180
Unit 4	4.38	113.44	192	170	180
Unit 5	0.00	121.50	0	0	
Total	17.11	531.31			720
Nasik					
Unit 3	5.18	119.66	220	195	210
Unit 4	4.57	112.46	197	180	190
Unit 5	4.62	109.49	199	181	200
Total	14.36	341.61			600
Uran					
All Units	12.81	351.82	646	447	600
Total	12.81	351.82			600
PENCH (MS)					
Pench (MS)	0.08	5.95	24	0	
Total	0.08	5.95			
Koyna					
Stage 1-2	3.40	71.22	420	40	520
Stage 4	1.87	42.55	549	0	250
Stage 3	1.48	25.73	240	0	320
Total	6.76	139.51			1090
Kovna 12&4 Total	5.27	113.78			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.87	10.61	37	36	18
VTRNA	0.86	20.20	61	0	60
TILLARI	0.37	7.95	60	0	60
BHTGR/VEER	0.35	6.78	15	14	15
BHIRA T.R.	0.13	3.74	43	0	80
RNGR+BHTSA	0.29	7.21	12	12	12
BHANDARDRA	0.00	8.50	0	0	0
ELDARY	0.00	3.46	0	0	0
SMLHY PTN	0.54	15.83	29	19	26
GHATGHAR	1.13	18.13	250	0	
Total	4.54	102.42			271
Wind					
MalharPeth	0.18	6.49			
Vankuswadi	0.34	10.70			
ATIT	0.04	2.45			
Kale	0.11	4.09			
Satara	0.27	15.28			
Shirala	0.09	4.11			
K Mahankal	0.49	7.93			
Supa	0.07	3.21			
Vita	0.37	15.30			
Dondaicha	4.70	74.94			
Sakri	0.56	10.78			
Nandurbar	0.47	7.59			
Khandke	0.33	7.28			
Khaparale	0.31	7.04			
Total	8.34	177.19			
CPP					
JSW JAIGAD	27.25	571.10	1192	996	810
WARDHA	10.06	226.21	430	381	425
Other CPPs	10.31	245.28			
Total	47.61	1042.59			1235
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.18	263.61	513	473	500
Trombay 6	6.64	161.36	500	156	500
Trombay 7A	2.79	70.20	124	86	120
Trombay 7B	1.57	39.11	68	57	60
Trombay 8	6.02	142.43	252	248	250
TATA Hydro	3.28	77.47	318	0	447
Total	32.48	754.17			1877
REL					
1&2	8.37	289.22	526	259	250
Total	8.37	289.22			250
Cent Sect					
Share					5259
Total					5259

MS PG CL	Thermal	121.69	2946.86			5170
	Thml+Gas	134.50	3298.68			5770
	Hydro	11.30	241.93			1361
	Total	145.80	3540.60			7131
State Total		242.68	5809.72			15752

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	5113	590	630	6333	451	1925	5442	5472	-978	-870	13315	188	13503	2240	15743	49.68
2	5147	208	630	5985	449	1950	5338	5299	-850	-668	13015	295	13310	2040	15350	49.69
3	5053	258	632	5943	461	1880	5022	5049	-746	-529	12804	319	13123	1898	15021	49.69
4	5084	178	632	5894	420	1827	4949	4932	-672	-479	12594	337	12931	1812	14743	49.72
5	5086	193	634	5913	376	1849	4910	4846	-633	-453	12531	357	12888	1789	14677	49.60
6	5105	496	644	6245	369	1898	4904	4965	-602	-451	13026	528	13554	1820	15374	49.64
7	5124	294	646	6064	381	1957	4903	5082	-583	-465	13019	979	13998	1839	15837	49.83
8	5128	155	637	5920	390	2019	4887	5097	-579	-543	12883	992	13875	1943	15818	49.90
9	5137	219	479	5835	329	2006	4940	5379	-640	-716	12833	1076	13909	2223	16132	49.82
10	5096	671	477	6244	186	2021	5125	5704	-788	-995	13160	869	14029	2594	16623	49.78
11	5075	1084	468	6627	96	2023	5272	6146	-875	-1115	13777	906	14683	2870	17553	49.83
12	5035	1382	465	6882	102	2037	5710	6126	-955	-1064	14083	977	15060	2912	17972	49.82
13	5058	1065	466	6589	107	2026	5742	6073	-958	-1032	13763	1034	14797	2910	17707	49.78
14	5087	752	462	6301	256	2022	5698	6049	-933	-957	13671	921	14592	2855	17447	49.76
15	5059	795	461	6315	370	2021	5897	6111	-951	-971	13846	797	14643	2908	17551	49.70
16	5093	537	463	6093	302	2038	5879	6288	-947	-888	13833	834	14667	2912	17579	49.71
17	5033	327	447	5807	356	2035	5333	6048	-844	-722	13524	936	14460	2880	17340	49.93
18	5040	132	464	5636	305	2048	5113	4917	-698	-674	12232	861	13093	2790	15883	50.19
19	5015	285	464	5764	370	2081	4963	4578	-608	-598	12195	529	12724	2647	15371	50.11
20	5078	356	463	5897	431	2057	5180	5563	-677	-677	13271	539	13810	2711	16521	49.92
21	5058	263	528	5849	617	2041	5221	5651	-646	-582	13589	510	14099	2586	16685	49.94
22	5067	198	540	5805	477	1982	5216	5727	-649	-606	13408	413	13821	2447	16268	49.93
23	4980	298	540	5818	387	1903	5234	5920	-709	-755	13297	299	13596	2395	15991	49.76
24	4941	563	540	6044	350	1967	5180	5826	-690	-730	13474	224	13698	2364	16062	49.77
MUs	121.69	11.30	12.81	145.80	8.34	47.61	126.06	132.85	-18.21	-17.54	317.14	15.72	332.86	58.38	391.25	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 24/Apr/2012

Position as on 6.30 Hrs of 25/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	28/04/2012
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 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.	
Khaparkheda Unit 5	500	21/04/2012	12:53		Continued.	Coal Shortage.	26/04/2012
REL 1	250	22/04/2012	16.47	24/04/2012	14.51	Boiler Tube Leakage	
Dabhol 2B	230	23/04/2012	21.22		Continued.	W/D Due to Gas Shortage.	
Uran Unit 7	108	24/04/2012	08.04	24/04/2012	16.19	Boiler Filter Replacement.	
CPP Abhijeet	62	24/04/2012	20.47		Continued.	W/D Due to Leakage in Boiler.	
Nasik Unit 4	210	25/04/2012	00.25		Continued.	Replacement of R Ph. C T & I D Fan Work.	
CPP Abhijeet	62	25/04/2012	03.47	25/04/2012	04.57	Tripped on DCS (Operating System)Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Apr/2012

Position as on 6.30 Hrs of 25/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- II	22/04/2012	16.18	24/04/2012	10.49	Over Voltage
Kolhapur-Mapusa-II	23/04/2012	17.15	24/04/2012	09.37	Over Voltage.
Dhule-Sar'Sarovar - I	24/04/2012	15.06		Continued.	Over Voltage.
Kolhapur - Mapusa - I	24/04/2012	16.41		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
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	24/04/2012	05.20		Continued.	For Fixing of Cladding Plates.
New Koyna - Jaigad - II	24/04/2012	09.31	24/04/2012	16.21	Cold Insulator Washing.
400/220KV 315MVA ICT-II @ New Koyna	24/04/2012	11.14	24/04/2012	14.57	Attending Hot Spot.
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 strengthening work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening 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.
Ambazari-Amravati	23/04/2012	07.55		Continued.	Replacement of Line Insulator.
Kalwa - Ghatghar	23/04/2012	11.40	24/04/2012	04.35	LILO Work @ 220KV Bapgaon S/S.
Karad - Ogalewadi - II	24/04/2012	09.11	24/04/2012	18.52	Conversion of Single String to Double String.
Pawas-Kharepatan	24/04/2012	09.21	24/04/2012	18.30	Cold Washing Insulator.
Dhule - Dondaicha	24/04/2012	09.30	24/04/2012	13.20	Line Stringing Work.
Bus Section - II @ Vita	24/04/2012	10.00	24/04/2012	12.35	Q.M.Work.
220/132 KV 100 MVA T/F - II @ Satara MIDC	24/04/2012	10.30	24/04/2012	17.15	Annual Maintenance.
220/110 KV 200 MVA ICT - II @ Miraj	24/04/2012	11.07	24/04/2012	15.25	Q.M.Work.
Dondaicha - Jamde - I	24/04/2012	12.30	24/04/2012	16.41	To Attend Red Hot on T & Y Ph. C T.
Aarey - Goregaon	25/04/2012	05.11		Continued.	Shifting of Control Panel.
Versova - Goregaon	25/04/2012	05.11		Continued.	Shifting of Control Panel.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/04/2012	17.31	24/04/2012	06.30	Over Voltage.
Bhusawal- Aurangabad	24/04/2012	17.02		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	16/04/2012	10.36		Continued.	To Control Padghe ICT Loading.
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Apr/2012

Position as on 6.30 Hrs of 25/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule - Babhaleshwar - I	24/04/2012	14.24	24/04/2012	20.12	Distance Protection Zone-I.
400/220KV 500MVA ICT-III at Dhule	24/04/2012	14.24	24/04/2012	15.31	Back up Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	140
Unit 7	210	160
	620	420
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	180
Unit 6	250	195
Unit 7	250	160
	1130	695
Chandrapur		
Unit 1	210	0
Unit 2	210	165
Unit 3	210	190
Unit 4	210	170
Unit 5	500	475
Unit 6	500	420
Unit 7	500	425
	2340	1845
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	
	1340	720
Nasik		
Unit 3	210	210
Unit 4	210	0
Unit 5	210	200
	630	410
Uran		
All Units	852	580
	852	580
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	14
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	
	611	233
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	810
WARDHA	405	425
Other CPPs	0	
	1005	1235
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	5205
	3455	5205

	17900	7 of 7	15670
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