



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Apr/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.420	3058.275	1) Gujrat	9.676	172.388
2) Hydro	20.432	262.358	2) Madhya Pradesh	23.585	550.145
3) Gas	12.783	364.607	3) Chattisgarh	10.910	266.490
Total MSGENCO	144.635	3685.240	4) Maharashtra	63.997	1472.002
B) OTHERS			5) Goa	-6.721	-164.147
1) JSW JAIGAD	28.266	599.369	6) TAPS 1&2 Injection	7.506	188.471
2) WPCL	9.784	235.994	7) RGPPL Injection	21.699	705.859
3) Other CPP / IPP	6.516	251.793	8) Pench (Excess)	-0.118	-6.066
4) Wind Generation	8.146	185.335	# Total Cent. Sector	130.534	3185.142
5) PENCH (MS)	0.118	6.066	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.753	-329.109
1) TPCL Thermal	30.678	707.380	G) Bilateral Power *		
2) TPCL Hydro	4.159	81.626	1) MSEDCL Bilateral	39.900	975.836
TOTAL TPCL	34.837	789.006	Include PX	2.749	17.662
3) REL Thermal	12.578	301.799	2) MUMBAI Bilateral	12.737	350.859
D) STATE			Include PX	3.203	61.299
1) Thermal (A1+C1+C3)	154.676	4067.454	3) MUMBAI Schedule	12.737	356.767
2) Hydro (A2+B5+C2)	24.709	350.050	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.783	364.607	1) MSEDCL	316.246	7819.830
4) Wind (B4)	8.146	185.335	2) TPCL	39.042	928.588
5) CPP (B1+B2+B3)	44.566	1087.156	3) REL	20.125	490.780
TOTAL STATE	244.880	6054.602	TOTAL STATE	375.413	9239.198

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	4792	4626	4848
MSGENCO Hydro	943	1903	121
MSGENCO Gas	548	525	555
MSGENCO Total Generation	6283	7054	5524
Central Sector Receipt	6223	5072	5193
WIND	140	193	479
CPP / IPP	1845	1890	1727
Exchange with Mumbai	-624	-655	-332
MSEDCL DEMAND MET	13874	13554	12591
Load Shedding	972	900	333
MSEDCL DEMAND	14846	14454	12924
TPCL GENERATION	1814	1796	920
R-INFRA GENERATION	522	524	525
TPCL+R-INFRA DEMAND	2960	2975	1777
STATE DEMAND MET	16834	16529	14368
STATE DEMAND	17806	17429	14701
Frequency (Hz)	49.77	49.67	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 08.02 Hrs	49.24 Hz at 18.40 Hrs	49.8	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 25/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.08	82.78	142	111	120
Unit 6	3.20	78.10	158	105	140
Unit 7	3.51	87.95	165	125	160
Total	9.78	248.83			420
Bhusawal					
Unit 2	4.04	86.86	180	145	180
Unit 3	4.32	86.70	190	165	180
Unit 4	0.00	23.15	0	0	
Total	8.37	196.71			360
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	3.69	95.15	166	135	160
Unit 5	3.85	49.00	186	135	180
Unit 6	4.19	102.35	206	128	195
Unit 7	2.91	95.40	200	0	160
Total	14.64	353.59			695
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.92	96.53	175	153	165
Unit 3	4.55	111.70	196	168	190
Unit 4	4.43	110.88	202	167	170
Unit 5	9.76	269.92	470	0	475
Unit 6	10.03	257.44	435	370	420
Unit 7	7.57	253.22	431	0	425
Total	40.25	1099.70			1845
Paras					
Unit 3	5.88	122.86	260	226	250
Unit 4	5.88	137.05	268	207	250
Total	11.76	259.91			500
Khaparkheda					
Unit 1	4.14	116.20	200	130	180
Unit 2	4.21	96.40	195	145	180
Unit 3	4.59	96.70	210	177	180
Unit 4	4.40	117.85	201	175	180
Unit 5	0.00	121.50	0	0	
Total	17.34	548.64			720
Nasik					
Unit 3	4.80	124.47	215	175	210
Unit 4	0.05	112.50	46	0	0
Unit 5	4.43	113.92	195	164	200
Total	9.28	350.89			410
Uran					
All Units	12.78	364.61	557	472	580
Total	12.78	364.61			580
PENCH (MS)					
Pench (MS)	0.12	6.07	26	0	
Total	0.12	6.07			
Koyna					
Stage 1-2	5.92	77.14	525	40	520
Stage 4	7.25	49.81	1087	0	250
Stage 3	3.06	28.79	320	0	320
Total	16.23	155.73			1090
Kovna 12&4 Total	13.17	126.95			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.87	11.48	37	36	36
VTRNA	0.77	20.96	61	0	60
TILLARI	0.24	8.19	60	0	60
BHTGR/VEER	0.31	7.09	13	13	14
BHIRA T.R.	0.16	3.90	82	0	40
RNGR+BHTSA	0.29	7.50	13	12	12
BHANDARDRA	0.27	8.77	23	0	0
ELDARY	0.00	3.46	0	0	0
SMLHY PTN	0.56	16.39	30	20	11
GHATGHAR	0.74	18.88	125	0	
Total	4.20	106.62			233
Wind					
MalharPeth	0.20	6.69			
Vankuswadi	0.35	11.05			
ATIT	0.04	2.48			
Kale	0.17	4.25			
Satara	0.29	15.57			
Shirala	0.15	4.26			
K Mahankal	0.87	8.80			
Supa	0.19	3.40			
Vita	0.86	16.16			
Dondaicha	3.32	78.26			
Sakri	0.44	11.22			
Nandurbar	0.36	7.95			
Khandke	0.60	7.88			
Khaparale	0.31	7.36			
Total	8.15	185.34			
CPP					
JSW JAIGAD	28.27	599.37	1207	1111	810
WARDHA	9.78	235.99	427	328	425
Other CPPs	6.52	251.79			
Total	44.57	1087.16			1235
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.65	275.26	514	319	500
Trombay 6	8.57	169.93	504	156	500
Trombay 7A	2.90	73.10	126	104	120
Trombay 7B	1.62	40.73	69	62	60
Trombay 8	5.94	148.37	253	210	250
TATA Hydro	4.16	81.63	407	0	447
Total	34.84	789.01			1877
REL					
1&2	12.58	301.80	526	522	500
Total	12.58	301.80			500
Cent Sect					
Share					5205
Total					5205

MS PG CL	Thermal	111.42	3058.28			4950
	Thml+Gas	124.20	3422.88			5530
	Hydro	20.43	262.36			1323
	Total	144.64	3685.24			6853
State Total		244.88	6054.60			15670

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4839	361	552	5752	453	1975	5253	5868	-705	-578	13470	188	13658	2209	15867	49.84
2	4821	146	554	5521	409	1930	4841	5695	-588	-422	13133	274	13407	2036	15443	49.89
3	4855	171	554	5580	426	1884	4704	5246	-497	-381	12755	299	13054	1911	14965	49.85
4	4829	136	553	5518	551	1848	4657	5191	-444	-361	12747	316	13063	1821	14884	49.96
5	4848	121	555	5524	479	1727	4659	5193	-300	-332	12591	333	12924	1777	14701	49.85
6	4857	146	556	5559	360	1733	4639	5454	-300	-267	12839	473	13312	1824	15136	49.83
7	4854	131	557	5542	489	1732	4617	5159	-304	-269	12653	940	13593	1869	15462	49.97
8	4863	122	548	5533	565	1762	4376	5167	-304	-320	12707	996	13703	1972	15675	50.08
9	4908	207	541	5656	348	1828	4390	5073	-289	-367	12538	1071	13609	2196	15805	49.96
10	4790	513	538	5841	369	1832	4547	5931	-407	-467	13506	864	14370	2568	16938	49.84
11	4684	817	548	6049	253	1850	4947	6025	-521	-548	13629	873	14502	2872	17374	49.90
12	4792	943	548	6283	140	1845	5038	6223	-666	-624	13874	972	14846	2960	17806	49.77
13	4724	1385	546	6655	86	1861	5116	5896	-706	-620	13878	1044	14922	2959	17881	49.78
14	4790	1342	531	6663	89	1856	5045	5707	-662	-635	13680	943	14623	2903	17526	49.73
15	4855	1608	527	6990	113	1876	5151	5597	-636	-644	13932	802	14734	2968	17702	49.66
16	4884	1924	526	7334	151	1879	5076	5445	-632	-597	14212	818	15030	2982	18012	49.68
17	4626	1903	525	7054	193	1890	4689	5072	-703	-655	13554	900	14454	2975	17429	49.67
18	4222	1594	525	6341	235	1885	4544	4497	-571	-560	12398	860	13258	2894	16152	49.68
19	4288	628	524	5440	305	1909	4821	4843	-503	-480	12017	624	12641	2729	15370	49.75
20	4225	1242	525	5992	357	1918	5064	5312	-596	-566	13038	644	13682	2779	16461	49.71
21	4236	1324	525	6085	475	1926	5048	5222	-576	-497	13236	595	13831	2649	16480	49.74
22	4304	1205	477	5986	499	1857	5074	5239	-611	-478	13128	508	13636	2501	16137	49.79
23	4120	1164	472	5756	393	1869	5114	5736	-579	-532	13248	330	13578	2429	16007	49.66
24	4206	1299	476	5981	408	1894	5180	5740	-637	-553	13480	238	13718	2385	16103	49.60
MUs	111.42	20.43	12.78	144.64	8.15	44.57	116.59	130.53	-12.74	-11.75	316.24	15.90	332.15	59.17	391.32	49.80

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 25/Apr/2012

Position as on 6.30 Hrs of 26/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	
Cent_Sect NTPC(V-4)	210	25/04/2012	00.07		Continued.	A/OH.	
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
Dabhol 2B	230	23/04/2012	21.22		Continued.	W/D Due to Gas Shortage.	
Nasik Unit 4	210	25/04/2012	00.25		Continued.	Replacement of R Ph. C T & I D Fan Work.	27/04/2012
Chandrapur Unit 7	500	25/04/2012	16.35	25/04/2012	20.31	UPS Supply Fail.	
Parli Unit 7	250	25/04/2012	17.15	26/04/2012	05.06	Aux.Supply Failure.	
CPP WPCL U-3	135	25/04/2012	20.55		Continued.	ID Fan Vibration High.	
Chandrapur Unit 5	500	25/04/2012	21.31		Continued.	BLR T/L.	27/04/2012
Uran Unit 6	108	25/04/2012	22.16		Continued.	Gas Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2012

Position as on 6.30 Hrs of 26/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-Sar'Sarovar - I	24/04/2012	15.06	25/04/2012	18.30	Over Voltage.
Kolhapur - Mapusa - I	24/04/2012	16.41	25/04/2012	09.59	Over Voltage.
Dhule-Sar'Sarovar - II	25/04/2012	18.11		Continued.	Over Voltage.
Kolhapur - Mapusa - II	25/04/2012	20.17		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	25/04/2012	10.28	For Fixing of Cladding Plates.
400/220 KV 500 MVA ICT - II @ Jejuri	26/04/2012	01.52		Continued.	Dismantling of R-Ph unit & taking spare ICT unit into service.
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	25/04/2012	15.57	Replacement of Line Insulator.
Aarey - Goregaon	25/04/2012	05.11	25/04/2012	12.16	Shifting of Control Panel.
Versova - Goregaon	25/04/2012	05.11	25/04/2012	12.16	Shifting of Control Panel.
Lamboti-Bale-II	25/04/2012	07.46	25/04/2012	15.13	Replacement of conductor.
Pawas-Kharepatan	25/04/2012	08.54	25/04/2012	19.04	Cold washing of insulator.
220/132KV 150 MVA ICT @ Ambazari.	25/04/2012	09.36	25/04/2012	11.32	Erection of Aux.isolator(HV Side).
Borivali (MSEB)- Borivali (T)	25/04/2012	10.08	25/04/2012	16.55	Attending hot spot.
Vita - Pandharpur	25/04/2012	10.22	25/04/2012	13.39	Q.M.Work
Usmanabad-Barshi	25/04/2012	10.44	25/04/2012	17.36	Q.M.Work
Main Bus- I @ Lamboti	25/04/2012	12.00	25/04/2012	14.37	Q.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Akola - Paras - I	25/04/2012	09.27	25/04/2012	14.18	Repl.of Y & B Ph CC.
Chalishaon - Manmad	25/04/2012	09.58	25/04/2012	19.45	Faulty disc insulator replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	24/04/2012	17.02	25/04/2012	07.37	Over Voltage.
Bhusawal- Aurangabad	25/04/2012	17.08		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	16/04/2012	10.36		Continued.	To Control Padghe ICT Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2012

Position as on 6.30 Hrs of 26/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Phursungi - Theur	19/04/2012	18.12	26/04/2012	00.15	I/S To control ICT I loading of Jejuri.
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Chandrapur - Warora	25/04/2012	04.17		Continued.	To avoid overloading of lines.
Theur-Jejuri	26/04/2012	00.40	26/04/2012	00.50	To control ICT I loading of Jejuri.
Jejuri (New) - Parvati	26/04/2012	01.48	26/04/2012	02.50	H/T from Parvati end,to control ICT I loading of Jejuri.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Paras-Malkapur	25/04/2012	09.20	25/04/2012	14.24	In view of 132 KV Paras-Akola I.outage.
Paras - Warwat Bakal	25/04/2012	09.25	25/04/2012	14.22	In view of 132 KV Paras-Akola I.outage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Newkoyna - I	25/04/2012	23.14		Continued.	Direct carrier fail indication.
400/220KV,315MVA ICT-I at Karad	25/04/2012	23.18		Continued.	While taking trial on Karad-N.Koyna I.
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Lamboti	25/04/2012	16.21	25/04/2012	16.31	Distance Protection.
Tilawani-Miraj	26/04/2012	04.32	26/04/2012	05.08	Dist protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	125
Unit 7	210	145
	620	400
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	0
	920	360
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	180
Unit 6	250	160
Unit 7	250	150
	1130	670
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	195
Unit 4	210	200
Unit 5	500	0
Unit 6	500	430
Unit 7	500	425
	2340	1420
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	760
Nasik		
Unit 3	210	200
Unit 4	210	0
Unit 5	210	200
	630	400
Uran		
All Units	852	460
	852	460
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	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	35
GHATGHAR	250	0
	611	295
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	310
Other CPPs	0	
	1005	1395
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	5321
	3455	5321

	17900	7 of 7	15448
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