



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Apr/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.256	2701.202	1) Gujrat	8.531	141.213
2) Hydro	4.595	217.973	2) Madhya Pradesh	23.174	481.012
3) Gas	14.645	324.400	3) Chattisgarh	9.930	235.230
Total MSGENCO	137.496	3243.575	4) Maharashtra	61.420	1284.920
B) OTHERS			5) Goa	-5.748	-145.021
1) JSW JAIGAD	18.954	522.709	6) TAPS 1&2 Injection	7.427	166.099
2) WPCL	10.477	206.179	7) RGPPL Injection	28.265	634.326
3) Other CPP / IPP	9.669	225.240	8) Pench (Excess)	-0.038	-5.795
4) Wind Generation	10.583	159.164	# Total Cent. Sector	132.961	2791.984
5) PENCH (MS)	0.038	5.795	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.849	-281.768
1) TPCL Thermal	23.739	617.908	G) Bilateral Power *		
2) TPCL Hydro	0.249	70.188	1) MSEDCL Bilateral	37.793	851.470
TOTAL TPCL	23.988	688.096	Include PX	1.372	9.711
3) REL Thermal	10.598	274.589	2) MUMBAI Bilateral	12.786	304.063
D) STATE			Include PX	1.470	49.033
1) Thermal (A1+C1+C3)	152.593	3593.699	3) MUMBAI Schedule	14.218	305.494
2) Hydro (A2+B5+C2)	4.882	293.956	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.645	324.400	1) MSEDCL	305.329	6872.878
4) Wind (B4)	10.583	159.164	2) TPCL	31.477	812.609
5) CPP (B1+B2+B3)	39.100	954.128	3) REL	17.958	431.299
TOTAL STATE	221.803	5325.347	TOTAL STATE	354.764	8116.786

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	4710	4917	5102
MSGENCO Hydro	264	162	112
MSGENCO Gas	581	595	645
MSGENCO Total Generation	5555	5674	5859
Central Sector Receipt	6693	5765	4883
WIND	130	636	508
CPP / IPP	1617	1611	1483
Exchange with Mumbai	-703	-821	-405
MSEDCL DEMAND MET	13292	12865	12328
Load Shedding	1082	972	362
MSEDCL DEMAND	14374	13837	12690
TPCL GENERATION	880	883	901
R-INFRA GENERATION	519	398	527
TPCL+R-INFRA DEMAND	2102	2102	1833
STATE DEMAND MET	15394	14967	14161
STATE DEMAND	16476	15939	14523
Frequency (Hz)	49.96	49.99	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 17:43 Hrs	49.23 Hz at 19:12 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 22/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.39	73.05	165	106	155
Unit 6	3.87	67.48	175	145	175
Unit 7	4.02	77.20	185	135	185
Total	11.28	217.74			515
Bhusawal					
Unit 2	4.09	74.59	180	160	180
Unit 3	4.34	73.73	190	165	180
Unit 4	0.00	23.15	0	0	0
Total	8.43	171.47			360
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	4.31	83.51	195	163	180
Unit 5	3.75	36.42	183	117	140
Unit 6	4.22	90.23	192	150	180
Unit 7	4.20	85.17	191	157	180
Total	16.49	307.02			680
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.00	84.79	172	160	165
Unit 3	4.60	98.10	196	183	195
Unit 4	4.46	97.09	203	150	205
Unit 5	11.08	238.20	485	435	460
Unit 6	10.32	227.15	443	415	440
Unit 7	10.01	225.17	437	380	425
Total	44.47	970.50			1890
Paras					
Unit 3	3.06	105.06	238	0	0
Unit 4	2.61	119.75	239	0	250
Total	5.67	224.82			250
Khaparkheda					
Unit 1	4.34	103.36	190	175	180
Unit 2	4.32	83.88	186	170	180
Unit 3	4.45	83.28	193	180	180
Unit 4	4.36	104.66	192	174	180
Unit 5	0.00	121.50	0	0	0
Total	17.46	496.68			720
Nasik					
Unit 3	5.18	109.36	220	205	210
Unit 4	4.70	103.36	205	184	210
Unit 5	4.58	100.26	197	180	200
Total	14.46	312.98			620
Uran					
All Units	14.64	324.40	653	573	620
Total	14.64	324.40			620
PENCH (MS)					
Pench (MS)	0.04	5.80	20	0	0
Total	0.04	5.80			0
Koyna					
Stage 1-2	1.56	65.03	315	40	600
Stage 4	0.00	36.70	0	0	250
Stage 3	0.06	22.92	64	0	320
Total	1.63	124.66			1170
Kovna 12&4 Total	1.56	101.73			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.43	9.01	19	18	18
VTRNA	0.94	18.53	61	0	60
TILLARI	0.36	7.22	59	0	60
BHTGR/VEER	0.36	6.07	15	14	16
BHIRA T.R.	0.12	3.50	47	0	80
RNGR+BHTSA	0.28	6.64	12	11	12
BHANDARDRA	0.00	8.50	0	0	0
ELDARY	0.12	3.46	9	0	10
SMLHY PTN	0.36	14.75	21	12	10
GHATGHAR	0.00	15.64	0	0	0
Total	2.97	93.32			266
Wind					
MalharPeth	0.27	5.98			
Vankuswadi	0.44	9.92			
ATIT	0.07	2.15			
Kale	0.18	3.78			
Satara	1.62	14.58			
Shirala	0.21	3.55			
K Mahankal	0.03	7.13			
Supa	0.20	3.02			
Vita	1.23	14.02			
Dondaicha	4.45	65.82			
Sakri	0.63	9.71			
Nandurbar	0.42	6.64			
Khandke	0.44	6.39			
Khaparale	0.41	6.47			
Total	10.58	159.16			
CPP					
JSW JAIGAD	18.95	522.71	897	701	764
WARDHA	10.48	206.18	482	352	481
Other CPPs	9.67	225.24			
Total	39.10	954.13			1245
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.24	239.28	514	285	500
Trombay 6	3.92	147.86	218	153	500
Trombay 7A	2.94	64.46	125	119	120
Trombay 7B	1.64	35.91	69	68	60
Trombay 8	6.01	130.40	253	248	250
TATA Hydro	0.25	70.19	89	0	447
Total	23.99	688.10			1877
REL					
1&2	10.60	274.59	527	259	500
Total	10.60	274.59			500
Cent Sect					
Share					5127
Total					5127

MS PG CL	Thermal	118.26	2701.20			5035
	Thml+Gas	132.90	3025.60			5655
	Hydro	4.60	217.97			1436
	Total	137.50	3243.58			7091
State Total		221.80	5325.35			15840

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	5172	446	638	6256	320	1702	5053	5443	-715	-594	13131	182	13313	2288	15601	49.73
2	5093	147	643	5883	429	1655	4955	5407	-608	-520	12854	312	13166	2125	15291	49.74
3	5087	122	641	5850	386	1570	4892	5149	-529	-490	12465	348	12813	1986	14799	49.68
4	5127	117	643	5887	473	1541	4822	4909	-468	-439	12371	355	12726	1892	14618	49.89
5	5102	112	645	5859	508	1483	4803	4883	-446	-405	12328	362	12690	1833	14523	49.93
6	4951	111	644	5706	563	1492	4785	5203	-407	-335	12629	524	13153	1845	14998	49.81
7	4758	116	653	5527	527	1549	4759	4916	-388	-206	12313	1042	13355	1789	15144	49.96
8	4761	146	633	5540	386	1575	4825	5019	-460	-244	12276	1033	13309	1778	15087	49.98
9	4725	180	624	5529	355	1568	4864	4996	-460	-269	12179	1022	13201	1833	15034	50.06
10	4735	232	615	5582	356	1657	4831	5693	-460	-476	12812	903	13715	1925	15640	50.08
11	4696	291	594	5581	258	1659	4783	5987	-460	-624	12861	993	13854	2036	15890	50.00
12	4710	264	581	5555	130	1617	5032	6693	-486	-703	13292	1082	14374	2102	16476	49.96
13	4688	165	573	5426	59	1582	5086	6895	-504	-726	13236	1118	14354	2128	16482	50.01
14	4696	157	586	5439	77	1617	5102	6680	-518	-712	13101	1076	14177	2118	16295	50.00
15	4775	157	588	5520	120	1596	5322	6803	-517	-735	13304	935	14239	2142	16381	50.02
16	4871	157	586	5614	289	1609	5314	6577	-510	-732	13357	940	14297	2137	16434	49.93
17	4917	162	595	5674	636	1611	4899	5765	-574	-821	12865	972	13837	2102	15939	49.99
18	4998	164	594	5756	631	1596	4890	4735	-670	-899	11819	830	12649	2047	14696	50.34
19	4995	227	595	5817	586	1677	4920	4304	-689	-721	11663	619	12282	2015	14297	50.07
20	5033	377	594	6004	661	1733	5142	5286	-805	-751	12933	585	13518	2212	15730	49.90
21	5088	225	596	5909	728	1749	5272	5273	-836	-799	12860	563	13423	2251	15674	50.00
22	5062	164	600	5826	716	1756	5412	5278	-854	-822	12766	393	13159	2268	15427	50.00
23	5083	196	593	5872	752	1753	5338	5370	-923	-897	12870	334	13204	2279	15483	49.74
24	5133	160	591	5884	637	1753	5193	5697	-928	-929	13044	240	13284	2304	15588	49.72
MUs	118.26	4.60	14.64	137.50	10.58	39.10	120.29	132.96	-14.22	-14.85	305.33	16.76	322.09	49.44	371.53	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 22/Apr/2012

Position as on 6.30 Hrs of 23/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	24/04/2012
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.	
CPP JSW (J) U1	300	16/04/2012	00:01		Continued.	P A Fan Problem.	23/04/2012
Khaparkheda Unit 5	500	21/04/2012	12:53		Continued.	Coal Shortage.	24/04/2012
CPP WPCL U-3	135	22/04/2012	04.00	22/04/2012	05.40	Flame Failure	
Paras Unit 3	250	22/04/2012	05.29	22/04/2012	14.22	Tripped	
Paras Unit 4	250	22/04/2012	06.09	22/04/2012	13.41	AC Supply Failure	
Cent_Sect NTPC(V-2)	210	22/04/2012	10.32	22/04/2012	10.51	Over Speed testing	
REL 1	250	22/04/2012	16.47		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Apr/2012

Position as on 6.30 Hrs of 23/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	21/04/2012	22.41	22/04/2012	10.42	Over Voltage
Dhule-S'Sarovar I	22/04/2012	02.19	22/04/2012	10.02	Over Voltage
Dhule - S'Sarovar- II	22/04/2012	16.18		Continued.	Over Voltage
Kolhapur - Mapusa - I	23/04/2012	00.35		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	22/04/2012	08.45	22/04/2012	16.34	Distance protection
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 315 MVA ICT - II @ Koradi.	21/04/2012	09.29	22/04/2012	00.12	Replacement of Relay
Koradi - Akola	22/04/2012	08.23	22/04/2012	13.05	Replacement of B Phase Jumper
Karad-Jaigad II	22/04/2012	09.21	22/04/2012	22.53	TBC Wiring and Trials
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.
A Bus @ Boiser	21/04/2012	08.20	22/04/2012	19.58	P.T.maint.and Isolator maint.work
Aarey-Versova	21/04/2012	12.27	22/04/2012	03.29	LILO Work
Boiser-Versova	22/04/2012	07.35	22/04/2012	12.10	Hot Spot
Jejuri - Parvati	22/04/2012	10.06	22/04/2012	12.22	To attend oil Leakage
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
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Borivali-Tata-I	22/04/2012	09.24	22/04/2012	14.00	Pre Mansoon maint work
Tata - Borivali - II	22/04/2012	15.01	22/04/2012	19.20	Premansoon maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/04/2012	17.06		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	16/04/2012	10.36		Continued.	To Control Padghe ICT Loading.
Chalisgaon - Malegaon	20/04/2012	10.16		Continued.	Own Bkr.Prob(Line on TBC)
Voltage Level : 220KV			Outage Type TRIPPED		
Babaleshwar - Ranjangaon	22/04/2012	02.57	22/04/2012	03.05	Distance Protection
Paras - Akola - I	22/04/2012	05.29	22/04/2012	08.01	Bus Bar Prot.operated at Paras

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Apr/2012

Position as on 6.30 Hrs of 23/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Main Bus II at New Paras	22/04/2012	05.29	22/04/2012	08.00	Heavy sparking on Y Phase Isolator of GT-3
Chikali - Paras - I	22/04/2012	05.29	22/04/2012	08.02	Bus Bar Prot.operated at Paras
Bus Coupler at New Paras TPS	22/04/2012	05.29	22/04/2012	08.00	Heavy sparking on Y Phase Isolator on GT-3

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	170
Unit 7	210	170
	620	485
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	180
Unit 6	250	180
Unit 7	250	170
	1130	710
Chandrapur		
Unit 1	210	0
Unit 2	210	165
Unit 3	210	195
Unit 4	210	210
Unit 5	500	475
Unit 6	500	440
Unit 7	500	425
	2340	1910
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	210
Unit 5	210	195
	630	615
Uran		
All Units	852	580
	852	580
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	18
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	14
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	10
GHATGHAR	250	0
	611	266
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	825
WARDHA	405	424
Other CPPs	0	
	1005	1249
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	250
	500	250
Cent Sect		
Share	3455	5463
	3455	5463

	17900	7 of 7	16155
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