



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Apr/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.818	2331.654	1) Gujrat	10.440	109.245
2) Hydro	18.645	198.121	2) Madhya Pradesh	17.294	415.001
3) Gas	14.980	280.205	3) Chattisgarh	9.760	205.650
Total MSGENCO	157.443	2809.980	4) Maharashtra	57.435	1111.054
B) OTHERS			5) Goa	-5.739	-126.832
1) JSW JAIGAD	13.232	472.689	6) TAPS 1&2 Injection	7.691	146.521
2) WPCL	10.066	174.686	7) RGPPL Injection	28.936	551.102
3) Other CPP / IPP	9.086	197.612	8) Pench (Excess)	-0.190	-5.508
4) Wind Generation	5.067	141.415	# Total Cent. Sector	125.627	2406.233
5) PENCH (MS)	0.190	5.508	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.028	-239.450
1) TPCL Thermal	30.793	535.711	G) Bilateral Power *		
2) TPCL Hydro	3.805	63.100	1) MSEDCL Bilateral	32.355	736.528
TOTAL TPCL	34.598	598.811	Include PX	0.000	6.379
3) REL Thermal	12.432	238.795	2) MUMBAI Bilateral	11.495	261.353
D) STATE			Include PX	0.000	40.671
1) Thermal (A1+C1+C3)	167.043	3106.160	3) MUMBAI Schedule	11.495	261.353
2) Hydro (A2+B5+C2)	22.640	266.729	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.980	280.205	1) MSEDCL	307.683	5968.673
4) Wind (B4)	5.067	141.415	2) TPCL	38.869	705.008
5) CPP (B1+B2+B3)	32.384	844.987	3) REL	21.061	371.597
TOTAL STATE	242.114	4639.496	TOTAL STATE	367.613	7045.278

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	5095	5121	5220
MSGENCO Hydro	629	827	1232
MSGENCO Gas	627	617	627
MSGENCO Total Generation	6351	6565	7079
Central Sector Receipt	6672	5079	4319
WIND	85	221	194
CPP / IPP	1345	1343	1345
Exchange with Mumbai	-697	-740	-293
MSEDCL DEMAND MET	13756	12468	12644
Load Shedding	1198	1024	356
MSEDCL DEMAND	14954	13492	13000
TPCL GENERATION	1768	1711	991
R-INFRA GENERATION	517	524	519
TPCL+R-INFRA DEMAND	2982	2975	1803
STATE DEMAND MET	16738	15443	14447
STATE DEMAND	17936	16467	14803
Frequency (Hz)	49.74	49.65	49.66

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 18.02 Hrs	49.06 Hz at 19.07 Hrs	49.68	1.38 % 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 19/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.99	62.88	141	110	135
Unit 6	0.00	57.45	0	0	0
Unit 7	3.66	65.74	170	134	145
Total	6.65	186.07			280
Bhusawal					
Unit 2	3.93	62.25	185	140	161
Unit 3	4.33	60.56	190	160	161
Unit 4	0.00	23.15	0	0	
Total	8.26	145.97			322
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	4.39	70.81	195	163	170
Unit 5	4.09	25.45	178	155	180
Unit 6	4.01	77.49	184	153	180
Unit 7	3.88	72.74	187	130	170
Total	16.38	258.19			700
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.86	73.16	168	152	142
Unit 3	4.53	84.52	196	173	170
Unit 4	3.84	84.22	176	151	143
Unit 5	10.77	205.20	465	395	414
Unit 6	10.46	195.88	460	415	414
Unit 7	10.15	194.98	451	375	414
Total	43.61	837.97			1697
Paras					
Unit 3	5.66	90.73	256	221	250
Unit 4	5.95	106.12	260	234	250
Total	11.62	196.85			500
Khaparkheda					
Unit 1	4.50	90.43	210	165	210
Unit 2	4.18	71.01	196	140	200
Unit 3	4.56	70.15	219	174	210
Unit 4	5.04	91.57	221	190	210
Unit 5	4.76	113.62	236	174	
Total	23.04	436.78			830
Nasik					
Unit 3	4.96	93.94	215	195	210
Unit 4	4.76	89.24	206	190	210
Unit 5	4.56	86.63	198	178	200
Total	14.27	269.82			620
Uran					
All Units	14.98	280.20	638	601	620
Total	14.98	280.20			620
PENCH (MS)					
Pench (MS)	0.19	5.51	50	0	
Total	0.19	5.51			
Koyna					
Stage 1-2	6.82	57.62	520	40	600
Stage 4	5.91	35.93	742	0	250
Stage 3	2.59	21.07	236	0	240
Total	15.32	114.62			1090
Kovna 12&4 Total	12.73	93.55			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.44	7.68	19	18	18
VTRNA	0.98	15.72	61	0	60
TILLARI	0.24	6.32	60	0	60
BHTGR/VEER	0.36	4.99	15	15	15
BHIRA T.R.	0.22	3.08	81	0	80
RNGR+BHTSA	0.30	5.76	13	12	15
BHANDARDRA	0.00	8.50	0	0	0
ELDARY	0.24	2.88	10	9	0
SMLHY PTN	0.54	13.36	29	20	19
GHATGHAR	0.00	15.20	0	0	0
Total	3.32	83.50			267
Wind					
MalharPeth	0.20	5.42			
Vankuswadi	0.32	8.96			
ATIT	0.08	2.01			
Kale	0.12	3.40			
Satara	0.42	11.33			
Shirala	0.16	3.19			
K Mahankal	0.59	7.06			
Supa	0.14	2.70			
Vita	1.16	11.56			
Dondaicha	1.14	59.83			
Sakri	0.18	8.88			
Nandurbar	0.14	6.11			
Khandke	0.36	5.30			
Khaparale	0.07	5.67			
Total	5.07	141.42			
CPP					
JSW JAIGAD	13.23	472.69	577	543	764
WARDHA	10.07	174.69	426	406	425
Other CPPs	9.09	197.61			
Total	32.38	844.99			1189
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.06	206.63	514	394	500
Trombay 6	8.17	129.92	498	156	500
Trombay 7A	2.91	55.78	124	117	120
Trombay 7B	1.63	31.03	69	67	60
Trombay 8	6.02	112.34	255	248	250
TATA Hydro	3.80	63.10	367	0	447
Total	34.60	598.81			1877
REL					
1&2	12.43	238.80	524	501	500
Total	12.43	238.80			500
Cent Sect					
Share					5337
Total					5337

MS PG CL	Thermal	123.82	2331.65			4949
	Thml+Gas	138.80	2611.86			5569
	Hydro	18.64	198.12			1357
	Total	157.44	2809.98			6926
State Total		242.11	4639.50			15829

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	5157	1032	623	6812	337	1363	5161	5315	-442	-599	13278	184	13462	2277	15739	49.53
2	5154	988	624	6766	230	1350	5026	4996	-436	-442	12950	303	13253	2071	15324	49.59
3	5157	1155	624	6936	232	1351	4794	4663	-436	-291	12916	343	13259	1923	15182	49.75
4	5217	1097	628	6942	214	1344	4769	4438	-436	-275	12670	351	13021	1847	14868	49.67
5	5220	1232	627	7079	194	1345	4772	4319	-436	-293	12644	356	13000	1803	14803	49.66
6	5197	1483	636	7316	228	1346	4716	4440	-436	-237	13093	497	13590	1831	15421	49.64
7	5185	1329	636	7150	246	1341	4766	4374	-442	-239	12872	1036	13908	1848	15756	49.69
8	5224	679	638	6541	142	1346	4764	5033	-442	-292	12770	1028	13798	1955	15753	49.80
9	5166	762	627	6555	184	1374	4842	5075	-452	-366	12822	1025	13847	2248	16095	49.76
10	5199	752	629	6580	166	1358	4959	5596	-526	-484	13216	1009	14225	2628	16853	49.77
11	5171	696	621	6488	116	1340	5103	6017	-526	-618	13343	1109	14452	2926	17378	49.78
12	5095	629	627	6351	85	1345	5536	6672	-526	-697	13756	1198	14954	2982	17936	49.74
13	5041	571	627	6239	62	1348	5592	6752	-526	-774	13627	1123	14750	3005	17755	49.72
14	5134	836	612	6582	51	1341	5462	6327	-526	-813	13488	1025	14513	2993	17506	49.76
15	5143	957	601	6701	83	1359	5385	6077	-526	-759	13461	900	14361	3002	17363	49.58
16	5175	1254	615	7044	132	1371	5333	5756	-526	-723	13580	931	14511	3000	17511	49.61
17	5121	827	617	6565	221	1343	5076	5079	-526	-740	12468	1024	13492	2975	16467	49.65
18	5139	177	630	5946	266	1344	4901	4737	-526	-682	11611	954	12565	2904	15469	49.90
19	5155	248	624	6027	355	1347	4965	4656	-526	-606	11779	767	12546	2805	15351	49.87
20	5203	426	633	6262	317	1351	5137	5144	-516	-666	12408	698	13106	2815	15921	49.58
21	5183	253	611	6047	306	1346	5117	5213	-442	-625	12287	590	12877	2731	15608	49.59
22	5181	226	622	6029	326	1340	5140	4862	-442	-600	11964	441	12405	2621	15026	49.49
23	5103	312	622	6037	319	1342	5064	5029	-442	-619	12133	384	12517	2509	15026	49.58
24	5097	724	626	6447	255	1349	5015	5057	-442	-588	12546	287	12833	2359	15192	49.51
MUs	123.82	18.64	14.98	157.44	5.07	32.38	121.40	125.63	-11.50	-13.03	307.68	17.56	325.24	60.06	385.30	49.68

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 19/Apr/2012

Position as on 6.30 Hrs of 20/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(V-2)	210	01/04/2012	00:01		Continued.	AOH.	30/04/2012
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.	20/04/2012
Koradi Unit 6	210	17/04/2012	22.18		Continued.	Boiler Tube Leakage.	21/04/2012
Koyana Unit 11	80	18/04/2012	08.30		Continued.	For bearing inspection.	
CPP JSW (J) U4	300	18/04/2012	22.27		Continued.	GTCB Tripped.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Apr/2012

Position as on 6.30 Hrs of 20/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	19/04/2012	09.21	19/04/2012	18.19	Cold line washing of D/C line.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	19/04/2012	08.19	19/04/2012	19.40	Hot spot attending.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	18/04/2012	03.02		Continued.	Over Voltage.
Kolhapur - Mapusa - I	18/04/2012	22.06	19/04/2012	10.32	Over Voltage.
Kolhapur - Mapusa - I	20/04/2012	03.38		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30	19/04/2012	20.01	Connection of L V Side Jumpers of ICT-II and one Span Stringing & Testing Work.Charged on NO load.
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
50 MVAR line Reactor of Chandrapur-Parly-I at Chandrapur	16/04/2012	16.50		Continued.	Filtration work.
400/220KV 315MVA ICT-III at Karad.	17/04/2012	15.14	19/04/2012	01.00	Changing of Bay and Stringing work
400/220KV,315 MVA ICT-III at Lonikand.	19/04/2012	07.09	19/04/2012	16.55	Maintenance and testing work.
400/220 KV 300 MVA ICT-I @ Koradi	19/04/2012	08.52	20/04/2012	01.44	Relay retrofitting work.
400/220 KV 315 MVA ICT-I @ Parly.	19/04/2012	08.57	19/04/2012	18.17	Measurement of tan delta of ICT bushing.
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.
Aurangabad-Chitegaon-II	11/04/2012	11.30		Continued.	Breaker overhal.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Girwali - Parbhani	19/04/2012	07.00	19/04/2012	18.19	Replacement of guy piece at loc.No305 and 303.
Lonikand -Theur - II	19/04/2012	08.01	19/04/2012	14.19	Annual maintenance work.
220/132KV 200 MVA ICT-I @ Amravati	19/04/2012	08.38	19/04/2012	15.53	Q.M.Work
Babaleshwar - Alephata	19/04/2012	09.08	19/04/2012	20.04	Maint.work.
Main Bus @ Alephata	19/04/2012	09.08	19/04/2012	17.21	Q.M.Work
Jejuri-Jejuri I	19/04/2012	09.22	19/04/2012	18.33	Retrofitting of 29 D isolator.
Chinchwad - Parvati	19/04/2012	09.31	19/04/2012	15.53	Bus sectionalisation work.
Pophali - KDPH	19/04/2012	10.05	19/04/2012	17.50	Replacement of old disc insulator by New anti-fog insulator.
220/110 KV 200 MVA T/F	19/04/2012	10.10	19/04/2012	15.15	Fire detector work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Apr/2012

Position as on 6.30 Hrs of 20/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
@ Ogalewadi					
Chinchwad - Chakan	19/04/2012	22.24	19/04/2012	23.31	Hot spot attended.
Dhule-Chalisgaon	20/04/2012	06.00		Continued.	Taking Chalisgaon-Malegaon on own breaker at Chalisgaon.
Chalisgaon - Malegaon	20/04/2012	06.00		Continued.	Taking Chalisgaon-Malegaon on own breaker at Chalisgaon.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Nanded - Vishnupuri	19/04/2012	07.05	19/04/2012	17.20	Stringing work of 220KV parly-Nanded line crossing at loc.No.286 and 287.
Nanded - Vishnupuri - II	19/04/2012	07.06	19/04/2012	17.20	Stringing work of 220KV parly-Nanded line crossing at loc.No.286 and 287
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Borivali(T)-Borivali(M)-I	19/04/2012	07.34	19/04/2012	09.33	For testing and charging of New Transformer NO.8 at Borivali.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	18/04/2012	17.41	19/04/2012	08.49	Over Voltage.
Bhusawal- Aurangabad	19/04/2012	17.01		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	16/04/2012	10.36		Continued.	To Control Padghe ICT Loading.
Theur-Phursungi-I	19/04/2012	16.25	19/04/2012	18.12	H/T due to tripping of Jejuri ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	18/04/2012	22.27	19/04/2012	06.58	Dist.Protection.
400/220 KV 500 MVA ICT-I @ Jejuri	19/04/2012	16.17	19/04/2012	17.20	NDR.
400/220 KV 500 MVA ICT - II @ Jejuri	19/04/2012	16.17	19/04/2012	17.17	NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Kandalgaon-Lonand	19/04/2012	16.17	19/04/2012	16.40	Y-Ph LA burst at Lonand.
Lonand - Baramati	19/04/2012	16.17	19/04/2012	16.42	Y-Ph LA burst at Lonand.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	0
Unit 7	210	165
	620	300
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	180
	1130	720
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	190
Unit 4	210	170
Unit 5	500	430
Unit 6	500	450
Unit 7	500	450
	2340	1850
Paras		
Unit 3	250	220
Unit 4	250	235
	500	455
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	210
Unit 4	210	410
Unit 5	500	
	1340	1030
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	620
	852	620
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	19
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	15
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	267
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	489
WARDHA	405	363
Other CPPs	0	
	1005	852
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	5181
	3455	5181

	17900	7 of 7 15722
--	--------------	---------------------