



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Apr/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.306	1517.611	1) Gujrat	3.659	45.622
2) Hydro	7.646	94.859	2) Madhya Pradesh	22.702	263.476
3) Gas	15.344	175.742	3) Chattisgarh	11.110	129.700
Total MSGENCO	150.296	1788.212	4) Maharashtra	59.936	682.984
B) OTHERS			5) Goa	-7.034	-81.491
1) JSW JAIGAD	25.859	322.979	6) TAPS 1&2 Injection	7.722	92.440
2) WPCL	8.841	109.810	7) RGPPL Injection	29.333	347.761
3) Other CPP / IPP	9.517	129.252	8) Pench (Excess)	-0.119	-3.957
4) Wind Generation	10.616	98.587	# Total Cent. Sector	127.309	1476.535
5) PENCH (MS)	0.119	3.957	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.965	-148.867
1) TPCL Thermal	28.043	337.341	G) Bilateral Power *		
2) TPCL Hydro	3.298	39.160	1) MSEDCL Bilateral	38.648	471.161
TOTAL TPCL	31.341	376.501	Include PX	0.000	4.811
3) REL Thermal	12.591	151.048	2) MUMBAI Bilateral	15.558	163.913
D) STATE			Include PX	4.117	25.805
1) Thermal (A1+C1+C3)	167.940	2006.000	3) MUMBAI Schedule	15.558	163.913
2) Hydro (A2+B5+C2)	11.063	137.976	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.344	175.742	1) MSEDCL	317.592	3780.465
4) Wind (B4)	10.616	98.587	2) TPCL	38.599	444.279
5) CPP (B1+B2+B3)	44.217	562.041	3) REL	20.295	231.818
TOTAL STATE	249.180	2980.346	TOTAL STATE	376.486	4456.562

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	5334	5255	5327
MSGENCO Hydro	386	200	154
MSGENCO Gas	615	626	656
MSGENCO Total Generation	6335	6081	6137
Central Sector Receipt	6195	4813	5091
WIND	188	768	311
CPP / IPP	1882	1913	1863
Exchange with Mumbai	-706	-760	-413
MSEDCL DEMAND MET	13894	12815	13016
Load Shedding	1237	615	239
MSEDCL DEMAND	15131	13430	13255
TPCL GENERATION	1727	1594	887
R-INFRA GENERATION	526	524	525
TPCL+R-INFRA DEMAND	2959	2878	1825
STATE DEMAND MET	16853	15693	14841
STATE DEMAND	18090	16308	15080
Frequency (Hz)	49.92	49.96	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 07:07 Hrs	49.39 Hz at 21:19 Hrs	49.96	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 12/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.40	41.28	157	119	150
Unit 6	3.45	40.58	161	105	140
Unit 7	3.78	40.18	175	125	170
Total	10.63	122.04			460
Bhusawal					
Unit 2	3.74	47.93	185	0	180
Unit 3	4.47	46.36	195	180	180
Unit 4	1.36	23.15	156	0	0
Total	9.57	117.44			360
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	4.22	44.01	186	158	180
Unit 5	0.00	12.01	0	0	0
Unit 6	4.24	47.67	191	160	170
Unit 7	3.80	45.15	188	117	160
Total	12.26	160.53			510
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.98	46.31	171	158	170
Unit 3	4.51	53.56	196	167	190
Unit 4	4.64	54.37	202	163	200
Unit 5	10.61	128.60	470	410	475
Unit 6	10.56	123.71	455	414	440
Unit 7	10.72	123.23	458	425	450
Total	45.01	529.77			1925
Paras					
Unit 3	6.10	65.85	259	247	250
Unit 4	5.67	64.21	256	190	250
Total	11.76	130.06			500
Khaparkheda					
Unit 1	4.77	56.96	210	185	200
Unit 2	4.27	50.80	192	155	170
Unit 3	4.99	49.78	216	198	205
Unit 4	5.04	56.17	222	195	210
Unit 5	5.78	74.16	258	218	0
Total	24.85	287.87			785
Nasik					
Unit 3	4.79	58.30	215	165	210
Unit 4	4.22	56.30	204	163	170
Unit 5	4.21	55.30	200	157	180
Total	13.23	169.91			560
Uran					
All Units	15.34	175.74	667	615	620
Total	15.34	175.74			620
PENCH (MS)					
Pench (MS)	0.12	3.96	27	0	0
Total	0.12	3.96			0
Koyna					
Stage 1-2	2.30	24.67	265	40	530
Stage 4	0.57	8.12	200	0	250
Stage 3	0.80	8.04	158	0	320
Total	3.67	40.82			1100
Kovna 12&4 Total	2.87	32.79			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.83	6.16	35	34	36
VTRNA	0.86	8.87	61	0	60
TILLARI	0.36	4.14	60	0	60
BHTGR/VEER	0.19	2.24	9	8	10
BHIRA T.R.	0.14	1.92	81	0	80
RNGR+BHTSA	0.29	3.71	13	12	10
BHANDARDRA	0.00	6.06	0	0	6
ELDARY	0.25	1.18	11	10	0
SMLHY PTN	0.77	8.47	40	29	10
GHATGHAR	0.27	11.28	121	0	0
Total	3.98	54.04			272
Wind					
MalharPeth	0.25	3.64			
Vankuswadi	0.53	6.28			
ATIT	0.07	1.30			
Kale	0.19	2.37			
Satara	1.21	7.99			
Shirala	0.18	2.14			
K Mahankal	0.06	3.77			
Supa	0.11	1.68			
Vita	1.07	7.42			
Dondaicha	5.01	43.35			
Sakri	0.71	6.54			
Nandurbar	0.50	4.46			
Khandke	0.23	3.46			
Khaparale	0.50	4.20			
Total	10.62	98.59			
CPP					
JSW JAIGAD	25.86	322.98	1158	838	1045
WARDHA	8.84	109.81	396	345	383
Other CPPs	9.52	129.25			
Total	44.22	562.04			1428
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.77	128.84	505	289	500
Trombay 6	6.78	82.75	483	158	500
Trombay 7A	2.96	35.30	127	117	120
Trombay 7B	1.63	19.61	70	66	60
Trombay 8	5.90	70.85	253	209	250
TATA Hydro	3.30	39.16	338	0	447
Total	31.34	376.50			1877
REL					
1&2	12.59	151.05	526	523	500
Total	12.59	151.05			500
Cent Sect					
Share					5156
Total					5156

MS PG CL	Thermal	127.31	1517.61			5100
	Thml+Gas	142.65	1693.35			5720
	Hydro	7.65	94.86			1372
	Total	150.30	1788.21			7092
State Total		249.18	2980.35			16053

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	5341	356	666	6363	424	1876	4977	5656	-678	-552	13794	137	13931	2200	16131	50.08
2	5346	215	667	6228	503	1868	4855	5224	-548	-486	13364	214	13578	2020	15598	50.05
3	5347	219	658	6224	339	1863	4706	5055	-466	-407	13100	234	13334	1887	15221	50.01
4	5327	154	656	6137	311	1863	4689	5091	-448	-413	13016	239	13255	1825	15080	50.06
5	5388	135	647	6170	384	1862	4689	5095	-447	-419	13104	245	13349	1795	15144	50.06
6	5390	169	657	6216	379	1873	4670	5441	-427	-451	13458	330	13788	1854	15642	49.84
7	5422	150	654	6226	468	1854	4606	5466	-424	-407	13607	596	14203	1912	16115	50.02
8	5413	140	658	6211	320	1944	4613	5411	-425	-475	13411	592	14003	2025	16028	50.15
9	5400	145	640	6185	311	1919	4663	5491	-421	-462	13444	598	14042	2286	16328	50.01
10	5389	214	629	6232	333	1892	4789	5931	-467	-591	13797	785	14582	2625	17207	49.99
11	5404	265	621	6290	273	1862	5054	6157	-708	-766	13816	1085	14901	2894	17795	49.95
12	5334	386	615	6335	188	1882	5183	6195	-838	-706	13894	1237	15131	2959	18090	49.92
13	5309	408	622	6339	198	1870	5181	5882	-840	-778	13511	1276	14787	2968	17755	49.97
14	5314	487	620	6421	291	1879	5122	5780	-794	-726	13645	959	14604	2853	17457	50.05
15	5319	360	622	6301	461	1882	5192	5534	-880	-779	13399	767	14166	2901	17067	49.88
16	5268	327	625	6220	788	1893	5177	5524	-932	-783	13642	763	14405	2907	17312	49.81
17	5255	200	626	6081	768	1913	5126	4813	-878	-760	12815	615	13430	2878	16308	49.96
18	5269	192	626	6087	911	1896	4988	4339	-728	-705	12528	431	12959	2752	15711	50.02
19	5234	288	630	6152	826	1895	4991	3806	-613	-599	12080	214	12294	2629	14923	49.87
20	5194	694	628	6516	547	1915	5221	5032	-693	-649	13361	149	13510	2667	16177	49.84
21	5249	707	635	6591	325	1608	5236	5066	-690	-800	12790	88	12878	2616	15494	49.77
22	5242	653	648	6543	450	1628	5251	4820	-716	-808	12633	70	12703	2552	15255	49.76
23	5097	511	644	6252	400	1631	5132	4948	-749	-748	12483	66	12549	2489	15038	49.92
24	5055	271	650	5976	418	1649	5030	5452	-749	-695	12800	66	12866	2403	15269	49.95
MUs	127.31	7.65	15.34	150.30	10.62	44.22	119.14	127.21	-15.56	-14.96	317.49	11.76	329.25	58.90	388.14	49.96

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 12/Apr/2012

Position as on 6.30 Hrs of 13/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	16/04/2012
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 5	210	04/04/2012	21.38		Continued.	Coal shortage.	
Koyna Unit 6	75	07/04/2012	13.45		Continued.	Oil Level Sensor problem	
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) U4	300	12/04/2012	20.55		Continued.	Electrical problem.	
Bhusawal Unit 2	210	12/04/2012	22.20		Continued.	Condensor T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2012

Position as on 6.30 Hrs of 13/Apr/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		
Halkarni-Amona I	12/04/2012	07.15	12/04/2012	18.12	Insulator repl.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	11/04/2012	17.47	12/04/2012	09.31	Over Voltage.
Dhule-S'Sarovar I	12/04/2012	13.50		Continued.	Over Voltage.
Kolhapur - Mapusa - II	12/04/2012	18.30		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -I & II Span Stringing & Testing Work.
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
Kalwa - Padgha - I	28/03/2012	11.22		Continued.	Replacement of 29D Isolator ,Taken on TBC.
400/220 KV 500 MVA ICT-I @ Jejuri	12/04/2012	03.42	12/04/2012	19.32	Repl.of 220KV LV bushing of R & Y Ph.
Main Bus- II @ Aurangabad	12/04/2012	08.08	12/04/2012	14.33	CVT 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
Kharghar-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.
Bhosari - Chakan	12/04/2012	01.01	12/04/2012	02.59	Outage on Bus Sec.II,for repl.of Bus isolator.
Bhosari-Telco	12/04/2012	01.03	12/04/2012	03.01	Outage on Bus Sec.II,for repl.of Bus isolator.
Bhosari-C'enka	12/04/2012	03.21	12/04/2012	04.06	Outage on Bus Sec.I,for repl.of Bus isolator.
Apta-Uran-II	12/04/2012	07.34	12/04/2012	19.56	To attend hot spot at Uran end.
Mulund - Bhandup (GIS)	12/04/2012	08.24		Continued.	Railway crossing stringing work.
Pophali - KDPH	12/04/2012	09.20	12/04/2012	18.15	Repl.of string insulator.
220/132KV 100 MVA ICT II at Amalner	12/04/2012	09.47	12/04/2012	15.08	Attending oil leakage of CT.
Hinganghat-Bhugaon	12/04/2012	11.46	12/04/2012	15.01	Repl.of B-Ph CT.
Uran-ONGC	12/04/2012	12.22	12/04/2012	19.51	Repl.of insulator.
Babaleshwar - Ranjangaon	12/04/2012	12.23	12/04/2012	21.44	Q.M.Work.
Main Bus II at Lonand	12/04/2012	12.45	12/04/2012	16.15	Commissing of new bus bar.
Karad - Vita - I	12/04/2012	18.40		Continued.	Jumpering work.
Kalwa - Borivali	13/04/2012	00.49	13/04/2012	04.05	RLY crossing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56	12/04/2012	15.40	Over Voltage.
Tie CB of A'Bad - II at	02/04/2012	16.34		Continued.	Testing work due to imbalance

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2012

Position as on 6.30 Hrs of 13/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Akola					currents in Bus Bar Relay
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/04/2012	16.40	12/04/2012	05.39	Over Voltage.
Bhusawal- Aurangabad	12/04/2012	17.38	13/04/2012	06.07	Over Voltage.
Karad - Kolhapur - I	13/04/2012	02.50		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/100KV 200MVA ICT-IV at Kalwa	06/04/2012	08.02		Continued.	To control Bus section load.
Padgha-Temghar I	09/04/2012	18.01		Continued.	To Control Padgha ICT Loading.
Padgha - Temghar - II	09/04/2012	18.02		Continued.	To Control Padgha ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,315 MVA ICT-I At Lonikand.	12/04/2012	07.26	12/04/2012	08.21	Due to PT fuse fail.
Karad-New Koyna II	12/04/2012	20.52	12/04/2012	21.02	Distance protection.
400/220KV,315MVA ICT-I at Karad	12/04/2012	20.52		Continued.	No indication.
Karad-Jaigad I	12/04/2012	20.54		Continued.	No indication.
400/220 KV 315MVA ICT-II @ Karad	12/04/2012	20.56	12/04/2012	21.22	NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	10/04/2012	20.52		Continued.	Distance Protection.
Lonikand-Theur - I	12/04/2012	07.26	12/04/2012	07.51	Bus bar prot.operated.
220/22 KV,50 MVA T/F - I @ Lonikand	12/04/2012	07.26	12/04/2012	07.52	Bus bar protn.operated.
220/110KV 200MVA ICT at Miraj	12/04/2012	18.16	13/04/2012	23.43	Diff.Protection.
Lamboti-Bale-I	12/04/2012	18.22	12/04/2012	18.54	Back up protn.operated.
Lamboti-Bale-II	12/04/2012	18.22	12/04/2012	21.04	Distance protection.
Ichalkaranji-Miraj	12/04/2012	19.02	13/04/2012	04.43	Back up protn.operated.
Kolhapur-Ichalkaranji	12/04/2012	19.28	13/04/2012	01.58	Distance protection.
220/110 KV 200 MVA ICT III at Tilawane	12/04/2012	19.28	13/04/2012	03.07	Transformer internal fault.
Vita - Lamboti	12/04/2012	20.10	13/04/2012	05.00	Distance protection.
Karad-M'peth	12/04/2012	20.53	12/04/2012	21.44	L.A.Burst of Y-Ph.
Pophali - KDPH	12/04/2012	20.55	12/04/2012	21.40	Distance protection Y-Ph.
KDPH-Wankuswadi	12/04/2012	20.55	12/04/2012	21.55	Distance protection Y-Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Lalkhedhi - Durgwada	12/04/2012	01.10	12/04/2012	01.50	B-Ph to earth fault.
Bhusawal-Sawda	12/04/2012	02.50	12/04/2012	16.11	Dist.Prot.R-Ph,Z-I.declare faulty.
Bhusawal-Raver	12/04/2012	02.50	12/04/2012	16.12	Dist.Prot.R-Ph,Z-I.declare faulty.
Dhule - Dhule - I	12/04/2012	11.43	12/04/2012	11.54	Distance protection.
Dhule - Dhule - I	12/04/2012	11.55	12/04/2012	15.45	Dist.prot.R-Ph conductor broken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	620	450
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	0
Unit 6	250	160
Unit 7	250	170
	1130	510
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	190
Unit 4	210	205
Unit 5	500	475
Unit 6	500	440
Unit 7	500	450
	2340	1930
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	830
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	170
	630	590
Uran		
All Units	852	620
	852	620
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	36
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	6
ELDARY	23	11
SMLHY PTN	12	9
GHATGHAR	250	0
	611	282
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	770
WARDHA	405	383
Other CPPs	0	
	1005	1153
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	4988
	3455	4988

	17900	7 of 7 15510
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