



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Apr/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.490	3265.502	1) Gujrat	9.077	190.856
2) Hydro	11.466	292.629	2) Madhya Pradesh	23.387	595.138
3) Gas	9.900	384.634	3) Chattisgarh	11.490	288.630
Total MSGENCO	122.856	3942.765	4) Maharashtra	72.782	1608.844
B) OTHERS			5) Goa	-6.334	-177.041
1) JSW JAIGAD	28.627	656.959	6) TAPS 1&2 Injection	7.759	203.887
2) WPCL	8.371	252.842	7) RGPPL Injection	26.670	757.428
3) Other CPP / IPP	8.185	268.679	8) Pench (Excess)	-0.118	-6.217
4) Wind Generation	7.511	201.571	# Total Cent. Sector	144.713	3461.525
5) PENCH (MS)	0.118	6.217	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.793	-353.678
1) TPCL Thermal	29.890	767.836	G) Bilateral Power *		
2) TPCL Hydro	4.399	90.156	1) MSEDCL Bilateral	41.030	1058.752
TOTAL TPCL	34.289	857.992	Include PX	1.748	21.717
3) REL Thermal	12.560	326.925	2) MUMBAI Bilateral	14.082	378.643
D) STATE			Include PX	3.999	68.467
1) Thermal (A1+C1+C3)	143.940	4360.263	3) MUMBAI Schedule	14.082	384.552
2) Hydro (A2+B5+C2)	15.983	389.002	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.900	384.634	1) MSEDCL	307.588	8436.880
4) Wind (B4)	7.511	201.571	2) TPCL	39.563	1007.208
5) CPP (B1+B2+B3)	45.183	1178.480	3) REL	20.077	530.838
TOTAL STATE	222.517	6513.950	TOTAL STATE	367.228	9974.926

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3990	4026	4457
MSGENCO Hydro	399	1358	151
MSGENCO Gas	440	383	393
MSGENCO Total Generation	4829	5767	5001
Central Sector Receipt	6919	5651	5848
WIND	330	303	358
CPP / IPP	1899	1910	1792
Exchange with Mumbai	-594	-625	-345
MSEDCL DEMAND MET	13383	13006	12654
Load Shedding	794	681	262
MSEDCL DEMAND	14177	13687	12916
TPCL GENERATION	1775	1823	993
R-INFRA GENERATION	524	523	525
TPCL+R-INFRA DEMAND	2893	2971	1863
STATE DEMAND MET	16276	15977	14517
STATE DEMAND	17070	16658	14779
Frequency (Hz)	49.91	49.85	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.51 Hz at 18:03 Hrs	49.27 Hz at 19:11 Hrs	49.88	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 27/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.14	88.98	150	107	120
Unit 6	3.13	84.44	147	110	120
Unit 7	3.18	94.43	155	120	120
Total	9.44	267.85			360
Bhusawal					
Unit 2	4.14	95.05	190	145	180
Unit 3	4.25	95.24	190	155	180
Unit 4	0.16	23.31	100	0	0
Total	8.55	213.61			360
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	3.42	102.35	158	126	160
Unit 5	4.18	56.90	183	146	170
Unit 6	4.51	111.79	245	161	230
Unit 7	0.41	98.56	83	0	0
Total	12.52	381.30			560
Chandrapur					
Unit 1	2.49	2.61	124	60	100
Unit 2	3.83	104.22	168	145	165
Unit 3	4.44	120.67	192	178	195
Unit 4	4.62	119.68	200	172	210
Unit 5	0.00	269.92	0	0	0
Unit 6	3.78	271.42	445	0	425
Unit 7	9.85	273.34	446	365	425
Total	29.01	1161.86			1520
Paras					
Unit 3	6.10	134.87	261	247	250
Unit 4	6.01	149.10	257	243	250
Total	12.11	283.98			500
Khaparkheda					
Unit 1	4.13	124.42	185	150	180
Unit 2	4.47	105.30	197	170	180
Unit 3	4.56	105.63	197	175	180
Unit 4	4.40	126.95	196	142	180
Unit 5	0.80	122.44	195	0	0
Total	18.35	584.74			720
Nasik					
Unit 3	5.20	134.79	220	210	192
Unit 4	1.71	114.22	196	0	0
Unit 5	4.60	123.17	200	182	182
Total	11.50	372.18			374
Uran					
All Units	9.90	384.63	474	383	370
Total	9.90	384.63			370
PENCH (MS)					
Pench (MS)	0.12	6.22	25	0	0
Total	0.12	6.22			0
Koyna					
Stage 1-2	2.95	85.09	430	40	520
Stage 4	4.35	62.28	704	0	250
Stage 3	1.25	32.57	238	0	320
Total	8.55	179.94			1090
Kovna 12&4 Total	7.30	147.37			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.44	12.50	19	18	36
VTRNA	0.00	21.67	0	0	60
TILLARI	0.11	8.42	56	0	60
BHTGR/VEER	0.33	7.76	14	13	9
BHIRA T.R.	0.18	4.27	71	0	80
RNGR+BHTSA	0.28	8.07	12	11	0
BHANDARDRA	1.03	10.19	43	43	0
ELDARY	0.00	3.46	0	0	9
SMLHY PTN	0.55	17.48	30	20	15
GHATGHAR	0.00	18.88	0	0	0
Total	2.92	112.69			269
Wind					
MalharPeth	0.24	7.07			
Vankuswadi	0.38	11.71			
ATIT	0.05	2.56			
Kale	0.18	4.54			
Satara	1.08	16.91			
Shirala	0.16	4.51			
K Mahankal	0.03	9.21			
Supa	0.26	3.83			
Vita	0.82	17.57			
Dondaicha	2.68	85.54			
Sakri	0.39	12.21			
Nandurbar	0.22	8.58			
Khandke	0.74	9.21			
Khaparale	0.29	8.12			
Total	7.51	201.57			
CPP					
JSW JAIGAD	28.63	656.96	1224	1116	1085
WARDHA	8.37	252.84	357	337	395
Other CPPs	8.18	268.68			
Total	45.18	1178.48			1480
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.84	299.37	513	375	500
Trombay 6	7.46	185.13	504	160	500
Trombay 7A	2.92	78.92	125	117	120
Trombay 7B	1.63	43.98	69	67	60
Trombay 8	6.04	160.44	254	249	250
TATA Hydro	4.40	90.16	428	0	447
Total	34.29	857.99			1877
REL					
1&2	12.56	326.92	525	521	500
Total	12.56	326.92			500
Cent Sect					
Share					5202
Total					5202

MS PG CL	Thermal	101.49	3265.50			4394
	Thml+Gas	111.39	3650.14			4764
	Hydro	11.47	292.63			1359
	Total	122.86	3942.76			6123
State Total		222.52	6513.95			15182

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4438	519	393	5350	309	1890	5200	6042	-675	-559	13055	180	13235	2269	15504	49.81
2	4401	171	386	4958	300	1823	5075	6129	-544	-413	12820	248	13068	2052	15120	49.87
3	4360	146	391	4897	322	1794	4926	6102	-449	-382	12740	255	12995	1929	14924	49.92
4	4457	151	393	5001	358	1792	4874	5848	-396	-345	12654	262	12916	1863	14779	50.02
5	4490	156	392	5038	362	1789	4844	5913	-366	-306	12796	271	13067	1810	14877	49.94
6	4450	146	384	4980	346	1826	4815	6106	-339	-240	13018	409	13427	1843	15270	49.82
7	4370	151	383	4904	316	1822	4744	5701	-360	-201	12542	951	13493	1840	15333	49.95
8	4422	146	474	5042	276	1887	4771	5903	-369	-255	12853	989	13842	1933	15775	49.97
9	4271	158	464	4893	355	1902	4829	5691	-376	-386	12455	1060	13515	2240	15755	50.05
10	4087	219	458	4764	438	1899	4930	6650	-523	-527	13224	783	14007	2603	16610	50.01
11	3990	399	440	4829	330	1899	5325	6919	-632	-594	13383	794	14177	2893	17070	49.91
12	3900	959	385	5244	239	1911	5449	6344	-761	-609	13129	932	14061	2973	17034	49.80
13	3970	1057	388	5415	194	1911	5505	6195	-786	-669	13046	1003	14049	2994	17043	49.85
14	4061	888	387	5336	194	1911	5466	6168	-739	-651	12958	875	13833	2915	16748	49.83
15	4038	1002	388	5428	202	1905	5494	6538	-745	-669	13404	702	14106	2989	17095	49.85
16	4052	1417	384	5853	215	1903	5451	5850	-743	-596	13225	646	13871	3000	16871	49.71
17	4026	1358	383	5767	303	1910	5220	5651	-788	-625	13006	681	13687	2971	16658	49.85
18	4127	245	420	4792	329	1914	5098	5267	-668	-555	11747	678	12425	2890	15315	50.09
19	4193	162	420	4775	338	1914	5123	4977	-570	-463	11541	511	12052	2731	14783	50.10
20	4187	315	418	4920	328	1912	5344	5917	-640	-604	12473	668	13141	2746	15887	49.83
21	4226	207	429	4862	296	1911	5366	5981	-616	-693	12357	667	13024	2670	15694	49.74
22	4275	184	433	4892	336	1915	5382	6182	-641	-805	12537	622	13159	2571	15730	49.81
23	4361	400	452	5213	395	1915	5308	6312	-667	-855	13005	268	13273	2490	15763	49.70
24	4338	910	455	5703	430	1928	5257	6327	-688	-791	13620	200	13820	2427	16247	49.73
MUs	101.49	11.47	9.90	122.86	7.51	45.18	123.80	144.71	-14.08	-12.79	307.59	14.66	322.24	59.64	381.88	49.88

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 27/Apr/2012

Position as on 6.30 Hrs of 28/Apr/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
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	27/04/2012	17.06	Class A Protection trip,low furnace pressure.	
Dabhol 2B	230	23/04/2012	21.22		Continued.	W/D Due to Gas Shortage.	
Nasik Unit 4	210	25/04/2012	00.25	27/04/2012	07.45	Replacement of R Ph. C T & I D Fan Work.	
CPP WPCL U-3	135	25/04/2012	20.55		Continued.	ID Fan Vibration High.	
Chandrapur Unit 5	500	25/04/2012	21.31	28/04/2012	00.31	BLR T/L.	
Uran Unit 6	108	25/04/2012	22.16		Continued.	Gas Shortage.	
Khaparkheda Unit 5	500	26/04/2012	23.44	27/04/2012	14.30	Hunting problem.	
Parli Unit 7	250	27/04/2012	05.58		Continued.	CHP bunkering problem.	
Nasik Unit 4	210	27/04/2012	07.55	27/04/2012	10.25	UAT problem.	
Chandrapur Unit 6	500	27/04/2012	09.15		Continued.	Boiler tube leakage.	30/04/2012
Nasik Unit 4	210	27/04/2012	10.40	27/04/2012	11.50	UAT problem.	
Khaparkheda Unit 5	500	27/04/2012	15.08	27/04/2012	19.02	Cold gas temp.high.	
Bhusawal Unit 4	500	27/04/2012	19.13	27/04/2012	23.56	Class A protection operated.	
Parli Unit 6	250	28/04/2012	03.14		Continued.	Main steam temp.low	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Apr/2012

Position as on 6.30 Hrs of 28/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 - II	25/04/2012	18.11		Continued.	Over Voltage.
Kolhapur - Mapusa - I	26/04/2012	17.58		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
Dhule - Babaleshwar - II	27/04/2012	08.30	27/04/2012	18.49	Q.M.Work
Dabhol - Nagothane - I	27/04/2012	08.40	27/04/2012	18.03	Bay maintenance and testing work
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.
Pedambe - Mahad	27/04/2012	06.15	27/04/2012	17.04	Replacement of support insulator.
Oni - Kharepatan	27/04/2012	09.05	27/04/2012	17.55	Cold washing of line insulator.
A'nagar-Pal	27/04/2012	09.15	27/04/2012	19.40	R.M.Work,tan delta measurement.
Wada-Kolshet	27/04/2012	09.24	27/04/2012	20.10	Erection and commissioning 220KV Bus-2 PT and PT isolator.
220/100 KV,100 MVA ICT-II at Vasai	27/04/2012	10.04	27/04/2012	16.35	Testing of ICT for taking on load.
Valve-Jamde	27/04/2012	10.15	27/04/2012	11.50	Red hot on Y ph.and B .ph.CT
220/132 KV 200 MVA ICT-II @ Boiser	27/04/2012	11.36	27/04/2012	14.35	Attending hot spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser-Viraj-II	27/04/2012	08.10	27/04/2012	11.35	Attending hot spot on CT.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Creek side Bus at Kalwa	27/04/2012	06.20	27/04/2012	18.10	Conversion of old bus conductor from single core to twin core.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	26/04/2012	16.45	27/04/2012	06.30	Over Voltage.
Bhusawal- Aurangabad	27/04/2012	16.35		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.
Chandrapur - Warora	25/04/2012	04.17		Continued.	To avoid overloading of lines.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Newkoyna - I	25/04/2012	23.14	27/04/2012	20.15	Direct carrier fail indication.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Apr/2012

Position as on 6.30 Hrs of 28/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Pophali - KDPH	26/04/2012	16.35		Continued.	R-Ph CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	130
Unit 7	210	140
	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	170
Unit 6	250	160
Unit 7	250	0
	1130	490
Chandrapur		
Unit 1	210	115
Unit 2	210	165
Unit 3	210	190
Unit 4	210	200
Unit 5	500	400
Unit 6	500	0
Unit 7	500	450
	2340	1520
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	
	1340	760
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	380
	852	380
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	18
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	13
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	43
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	236
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	350
Other CPPs	0	
	1005	1435
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	5403
	3455	5403

	17900	7 of 7	15591
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