



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Apr/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.146	1390.305	1) Gujrat	3.702	41.963
2) Hydro	5.770	87.213	2) Madhya Pradesh	25.000	240.774
3) Gas	15.410	160.398	3) Chattisgarh	11.040	118.590
Total MSGENCO	149.326	1637.916	4) Maharashtra	67.071	623.048
B) OTHERS			5) Goa	-7.496	-74.457
1) JSW JAIGAD	27.065	297.120	6) TAPS 1&2 Injection	7.726	84.718
2) WPCL	8.908	100.969	7) RGPPL Injection	29.245	318.428
3) Other CPP / IPP	10.622	119.735	8) Pench (Excess)	-0.182	-3.838
4) Wind Generation	8.933	87.971	# Total Cent. Sector	136.106	1349.226
5) PENCH (MS)	0.182	3.838	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.702	-133.902
1) TPCL Thermal	29.819	309.298	G) Bilateral Power *		
2) TPCL Hydro	3.674	35.862	1) MSEDCL Bilateral	38.859	432.446
TOTAL TPCL	33.493	345.160	Include PX	0.000	4.811
3) REL Thermal	12.573	138.457	2) MUMBAI Bilateral	14.163	148.355
D) STATE			Include PX	2.612	21.688
1) Thermal (A1+C1+C3)	170.538	1838.060	3) MUMBAI Schedule	14.163	148.355
2) Hydro (A2+B5+C2)	9.626	126.913	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.410	160.398	1) MSEDCL	327.440	3462.873
4) Wind (B4)	8.933	87.971	2) TPCL	39.193	405.680
5) CPP (B1+B2+B3)	46.595	517.824	3) REL	20.572	211.523
TOTAL STATE	251.102	2731.166	TOTAL STATE	387.205	4080.076

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	5415	5223	5374
MSGENCO Hydro	253	310	151
MSGENCO Gas	635	633	652
MSGENCO Total Generation	6303	6166	6177
Central Sector Receipt	6272	5687	5116
WIND	284	647	337
CPP / IPP	1962	1958	1833
Exchange with Mumbai	-687	-735	-371
MSEDCL DEMAND MET	14134	13723	13092
Load Shedding	1059	885	224
MSEDCL DEMAND	15193	14608	13316
TPCL GENERATION	1787	1715	892
R-INFRA GENERATION	525	524	526
TPCL+R-INFRA DEMAND	2999	2974	1789
STATE DEMAND MET	17133	16697	14881
STATE DEMAND	18192	17582	15105
Frequency (Hz)	49.99	49.95	50.20

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 00.19 Hrs	49.42 Hz at 19.27 Hrs	50.02	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 11/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.63	37.88	159	142	140
Unit 6	3.09	37.13	154	106	140
Unit 7	3.88	36.40	170	135	160
Total	10.59	111.41			440
Bhusawal					
Unit 2	3.98	44.20	180	150	180
Unit 3	4.28	41.89	185	160	180
Unit 4	2.04	21.79	188	0	
Total	10.29	107.88			360
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	4.24	39.80	195	158	185
Unit 5	0.00	12.01	0	0	0
Unit 6	4.06	43.43	180	155	160
Unit 7	3.90	41.34	185	155	160
Total	12.20	148.28			505
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.93	42.33	167	161	170
Unit 3	4.58	49.05	196	186	190
Unit 4	4.75	49.72	205	190	200
Unit 5	10.53	117.99	460	405	450
Unit 6	10.48	113.15	458	395	450
Unit 7	10.74	112.51	461	436	450
Total	45.00	484.76			1910
Paras					
Unit 3	5.72	59.75	259	162	250
Unit 4	5.49	58.54	256	164	250
Total	11.21	118.29			500
Khaparkheda					
Unit 1	4.92	52.18	215	185	210
Unit 2	4.34	46.53	190	155	200
Unit 3	4.92	44.79	220	180	210
Unit 4	5.01	51.12	217	199	210
Unit 5	5.85	68.38	320	135	
Total	25.02	263.02			830
Nasik					
Unit 3	4.88	53.52	210	190	192
Unit 4	4.66	52.08	206	164	192
Unit 5	4.30	51.09	193	167	182
Total	13.83	156.68			566
Uran					
All Units	15.41	160.40	659	618	640
Total	15.41	160.40			640
PENCH (MS)					
Pench (MS)	0.18	3.84	48	0	
Total	0.18	3.84			
Koyna					
Stage 1-2	1.34	22.37	155	35	530
Stage 4	0.20	7.54	197	0	250
Stage 3	0.05	7.24	52	0	320
Total	1.59	37.15			1100
Kovna 12&4 Total	1.54	29.92			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.87	5.33	37	36	36
VTRNA	0.84	8.01	61	0	60
TILLARI	0.36	3.78	60	0	60
BHTGR/VEER	0.08	2.04	4	3	0
BHIRA T.R.	0.16	1.79	80	0	80
RNGR+BHTSA	0.30	3.42	13	12	0
BHANDARDRA	0.00	6.06	0	0	0
ELDARY	0.26	0.92	11	10	0
SMLHY PTN	0.71	7.70	38	28	18
GHATGHAR	0.60	11.01	207	0	0
Total	4.18	50.06			254
Wind					
MalharPeth	0.22	3.39			
Vankuswadi	0.36	5.75			
ATIT	0.04	1.23			
Kale	0.16	2.17			
Satara	0.25	6.78			
Shirala	0.12	1.96			
K Mahankal	0.58	3.72			
Supa	0.08	1.57			
Vita	0.56	6.35			
Dondaicha	4.77	38.34			
Sakri	0.72	5.82			
Nandurbar	0.44	3.96			
Khandke	0.16	3.24			
Khaparale	0.46	3.69			
Total	8.93	87.97			
CPP					
JSW JAIGAD	27.06	297.12	1156	1064	985
WARDHA	8.91	100.97	434	343	357
Other CPPs	10.62	119.74			
Total	46.60	517.82			1342
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.96	118.06	504	285	500
Trombay 6	8.26	75.97	501	159	500
Trombay 7A	2.98	32.34	127	119	120
Trombay 7B	1.64	17.98	69	67	60
Trombay 8	5.98	64.95	252	221	250
TATA Hydro	3.67	35.86	372	0	447
Total	33.49	345.16			1877
REL					
1&2	12.57	138.46	526	508	500
Total	12.57	138.46			500
Cent Sect					
Share					5271
Total					5271

MS PG CL	Thermal	128.15	1390.30			5111
	Thml+Gas	143.56	1550.70			5751
	Hydro	5.77	87.21			1354
	Total	149.33	1637.92			7105
State Total		251.10	2731.17			16095

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	5301	131	648	6080	373	1953	5071	5893	-400	-521	13788	131	13919	2208	16127	50.20
2	5349	131	649	6129	367	1935	4849	5465	-512	-398	13523	205	13728	1998	15726	50.03
3	5332	130	652	6114	296	1836	4688	5285	-450	-390	13153	221	13374	1877	15251	50.04
4	5374	151	652	6177	337	1833	4688	5116	-450	-371	13092	224	13316	1789	15105	50.20
5	5310	136	654	6100	385	1839	4665	5312	-450	-363	13273	229	13502	1761	15263	50.04
6	5518	130	659	6307	536	1863	4625	5132	-447	-276	13562	337	13899	1821	15720	50.07
7	5470	180	659	6309	431	1874	4631	5378	-454	-335	13657	608	14265	1894	16159	50.07
8	5506	192	658	6356	306	1903	4647	5492	-454	-373	13684	596	14280	1998	16278	50.19
9	5485	201	642	6328	394	1979	4696	5506	-464	-560	13647	595	14242	2290	16532	50.05
10	5522	249	638	6409	239	1973	4786	6287	-523	-734	14174	733	14907	2659	17566	50.05
11	5416	263	631	6310	296	1914	4962	6404	-693	-802	14122	781	14903	2948	17851	49.95
12	5415	253	635	6303	284	1962	5296	6272	-715	-687	14134	1059	15193	2999	18192	49.99
13	5301	134	634	6069	313	1968	5317	6250	-747	-716	13884	1138	15022	2990	18012	49.91
14	5305	141	618	6064	428	1966	5313	6121	-746	-654	13925	1023	14948	2941	17889	49.89
15	5306	444	620	6370	475	1975	5447	6053	-678	-707	14166	893	15059	2993	18052	49.80
16	5316	209	627	6152	458	1937	5446	6118	-717	-711	13954	903	14857	2994	17851	49.93
17	5223	310	633	6166	647	1958	4981	5687	-768	-735	13723	885	14608	2974	17582	49.95
18	5185	199	640	6024	454	1926	4832	5121	-624	-730	12795	600	13395	2896	16291	50.13
19	5163	258	636	6057	445	1961	4897	4733	-568	-598	12598	500	13098	2765	15863	49.98
20	5221	505	639	6365	376	2023	5055	5491	-641	-571	13697	493	14190	2819	17009	49.88
21	5283	549	644	6476	320	2032	5067	5569	-633	-592	13853	366	14219	2713	16932	50.03
22	5307	346	646	6299	265	2017	5069	5664	-647	-675	13603	247	13850	2601	16451	50.00
23	5295	273	645	6213	239	1982	5223	5806	-688	-627	13628	225	13853	2486	16339	49.97
24	5245	255	651	6151	269	1986	5328	5951	-694	-576	13807	173	13980	2354	16334	50.15
MUs	128.15	5.77	15.41	149.33	8.93	46.60	119.58	136.11	-14.16	-13.70	327.44	13.16	340.61	59.77	400.38	50.02

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 11/Apr/2012

Position as on 6.30 Hrs of 12/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.	
Khaparkheda Unit 5	500	10/04/2012	19.25		Continued.	Class A Protection Operated.	
Bhusawal Unit 4	500	11/04/2012	11.58	11/04/2012	19.44	Low drum level.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Apr/2012

Position as on 6.30 Hrs of 12/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	10/04/2012	17.19	11/04/2012	09.00	Over Voltage.
Kolhapur - Mapusa - I	11/04/2012	17.47		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Seoni - I	05/04/2012	17.58	11/04/2012	10.06	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.
Aus.Bus at Koradi	11/04/2012	10.30	11/04/2012	17.35	Erection of PG isolator hanger.
400/220 KV 500 MVA ICT-I @ Jejuri	12/04/2012	03.42		Continued.	Repl.of 220KV LV bushing of R & Y Ph.
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.
Butibori-Indorama	10/04/2012	07.10		Continued.	Maintenance Work By M/S Indorama (2 Days).
Babaleshwar - Alephata	10/04/2012	22.21	11/04/2012	01.06	To Attend Hot Spot.
Chakan - Bhosari	11/04/2012	01.01	11/04/2012	01.16	Replacement of Isolator of T/F-2.
Bhosari-Telco	11/04/2012	01.15	11/04/2012	01.16	Replacement of Isolator of T/F-2.
ONGC-JNPT	11/04/2012	09.34	11/04/2012	20.33	Replacement of insulator.
Vita - Lamboti	11/04/2012	10.13	11/04/2012	18.40	Q.M.Work
Mulund - Bhandup (GIS)	11/04/2012	11.03	11/04/2012	11.28	Stringing work.
220/100 KV ICT- III @ Borivali	11/04/2012	13.56	11/04/2012	21.29	Replacement of Y-Ph HV bushing.
220/132 KV 200MVA T/F II at Lonand	11/04/2012	17.07	11/04/2012	18.47	To attend red hot on Y-Ph LV bus isolator.
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.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Jeur-Kurduwadi	11/04/2012	08.45	11/04/2012	19.11	Restranging of earthwire.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Salshet - II	11/04/2012	08.19	11/04/2012	13.59	Attending hot spot at Salsette end on A -Ph line GOD.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Apr/2012

Position as on 6.30 Hrs of 12/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Tie CB of A'Bad - II at Akola	02/04/2012	16.34		Continued.	Testing work due to imbalance currents in Bus Bar Relay
Bhusawal- Aurangabad	10/04/2012	17.13	11/04/2012	07.00	Over Voltage.
Lonikand II-Parli II	11/04/2012	14.15	11/04/2012	14.45	High Voltage at Lnknd II.
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.
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		
Lonikand I-Lonikand II	11/04/2012	14.05	11/04/2012	14.30	Direct tripped received.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	10/04/2012	20.52		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal-Sawda	12/04/2012	02.50		Continued.	Dist.Prot.R-Ph,Z-I.declare faulty.
Bhusawal-Raver	12/04/2012	02.50		Continued.	Dist.Prot.R-Ph,Z-I.declare faulty.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	140
Unit 7	210	170
	620	460
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	0
Unit 6	250	170
Unit 7	250	160
	1130	510
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	190
Unit 4	210	200
Unit 5	500	475
Unit 6	500	440
Unit 7	500	450
	2340	1925
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	200
Unit 2	210	170
Unit 3	210	205
Unit 4	210	210
Unit 5	500	
	1340	785
Nasik		
Unit 3	210	210
Unit 4	210	170
Unit 5	210	180
	630	560
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	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	272
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	1045
WARDHA	405	383
Other CPPs	0	
	1005	1428
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	5156
	3455	5156

	17900	7 of 7	16053
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