



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Apr/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.955	1946.304	1) Gujrat	8.701	231.750
2) Hydro	10.738	156.371	2) Madhya Pradesh	18.832	339.097
3) Gas	11.476	204.477	3) Chattisgarh	8.410	137.180
Total MSGENCO	134.169	2307.152	4) Maharashtra	63.569	1120.501
B) 1) JSW JAIGAD	26.448	414.806	5) Goa	-3.869	-98.523
2) WPCL	6.973	123.613	6) TAPS 1&2 Injection	3.939	40.902
3) ADANI	14.620	193.400	7) RGPPL Injection	13.888	317.781
4) Other CPP / IPP	13.636	184.381	8) Pench (Excess)	-0.165	-4.270
5) Wind Generation	16.008	180.278	# Total Cent. Sector	113.305	2084.418
6) PENCH (MS)	0.165	4.270	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.932	-224.079
1) TPCL Thermal	26.478	438.674	G) Bilateral Power *		
2) TPCL Hydro	4.217	63.829	1) MSEDCL Bilateral	45.556	757.290
TOTAL TPCL	30.695	502.503	Include PX	4.062	133.981
3) REL Thermal	12.590	213.679	2) MUMBAI Bilateral	14.177	255.498
D) STATE			Include PX	3.854	64.051
1) Thermal (A1+C1+C3)	151.023	2598.657	3) MUMBAI Schedule	14.177	255.498
2) Hydro (A2+B5+C2)	15.120	224.470	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.476	204.477	1) MSEDCL	311.392	5268.239
4) Wind (B4)	16.008	180.278	2) TPCL	37.417	618.384
5) CPP (B1+B2+B3)	61.677	737.420	3) REL	19.800	321.812
TOTAL STATE	255.304	3945.302	TOTAL STATE	368.609	6208.435

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	4743	4610	4852
MSGENCO Hydro	677	207	145
MSGENCO Gas	464	466	492
MSGENCO Total Generation	5884	5283	5489
Central Sector Receipt	5771	5531	3890
WIND	376	827	699
CPP / IPP	2623	2615	2486
Exchange with Mumbai	-869	-868	-72
MSEDCL DEMAND MET	13785	13388	12492
Load Shedding	871	356	281
MSEDCL DEMAND	14656	13744	12773
TPCL GENERATION	1532	1455	1079
R-INFRA GENERATION	525	525	525
TPCL+R-INFRA DEMAND	2926	2848	1676
STATE DEMAND MET	16711	16236	14168
STATE DEMAND	17582	16592	14449
Frequency (Hz)	50.02	50.03	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 17:01 Hrs	49.63 Hz at 05:23 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 17/Apr/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.62	64.64	175	140	150
Unit 7	3.46	68.45	175	110	150
Total	7.08	133.09			300
Bhusawal					
Unit 2	3.60	66.06	160	140	170
Unit 3	3.61	66.32	160	140	160
Unit 4	6.44	133.11	350	140	376
Unit 5	0.00	45.70	0	0	0
Total	13.66	311.19			706
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	0.00	47.45	0	0	0
Unit 2	3.90	62.90	165	160	160
Unit 3	4.91	68.31	207	200	200
Unit 4	4.65	74.38	199	178	200
Unit 5	8.82	124.93	465	0	450
Unit 6	10.40	160.19	450	410	450
Unit 7	8.65	155.61	410	320	425
Total	41.33	693.78			1885
Paras					
Unit 3	5.82	100.20	257	230	250
Unit 4	5.72	85.71	250	216	250
Total	11.54	185.92			500
Khaparkheda					
Unit 1	3.67	63.25	170	110	160
Unit 2	3.49	58.75	160	130	160
Unit 3	4.17	64.27	190	149	160
Unit 4	4.63	68.64	204	183	180
Unit 5	8.95	152.32	436	240	400
Total	24.91	407.23			1060
Nasik					
Unit 3	4.54	75.54	200	175	195
Unit 4	4.38	62.80	188	170	185
Unit 5	4.52	76.77	198	172	195
Total	13.44	215.10			575
Uran					
All Units	11.48	204.48	566	462	580
Total	11.48	204.48			580
PENCH (MS)					
Pench (MS)	0.16	4.27	52	0	0
Total	0.16	4.27			0
Koyna					
Stage 1-2	3.28	43.55	485	40	530
Stage 4	1.82	18.15	469	0	250
Stage 3	1.66	13.93	180	0	240
Kovna 12&4 Total	5.10	61.70			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.75	75.63			1020
Hydro					
KDPH	0.88	12.56	37	36	36
VTRNA	0.99	16.44	61	0	60
TILLARI	0.33	5.99	60	0	60
BHTGR/VEER	0.05	0.78	3	2	0
BHIRA T.R.	0.18	3.10	57	0	80
RNGR+BHTSA	0.30	5.31	13	12	15
BHANDARDRA	0.40	1.70	17	16	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.86	17.09	36	35	0
GHATGHAR	0.00	17.78	0	0	0
Total	3.98	80.74			251
Wind					
MalharPeth	0.43	8.52			
Vankuswadi	0.67	11.57			
ATIT	0.08	3.14			
Kale	0.27	4.40			
Satara	2.40	15.83			
Shirala	0.24	6.29			
K Mahankal	0.08	12.06			
Supa	0.08	2.32			
Vita	2.17	20.17			
Dondaicha	7.10	65.99			
Sakri	0.79	8.44			
Nandurbar	0.68	7.18			
Khandke	0.27	7.60			
Khaparale	0.75	6.78			
Total	16.01	180.28			
CPP					
JSW JAIGAD	26.45	414.81	1116	977	1005
WARDHA	6.97	123.61	329	206	328
Adani	14.62	193.40	640	580	617
Other CPPs	13.64	184.38			
Total	61.68	916.20			1950
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.00	185.22	504	484	500
Trombay 6	3.87	74.07	223	148	500
Trombay 7A	2.98	50.03	126	122	120
Trombay 7B	1.60	27.34	68	65	60
Trombay 8	6.02	102.01	253	248	250
TATA Hydro	4.22	63.83	378	0	447
Total	30.70	502.50			1877
REL					
1&2	12.59	213.68	526	522	500
Total	12.59	213.68			500
Cent Sect					
Share					5556
Total					5556

MS PG CL	Thermal	111.96	1946.30			5026
	Thml+Gas	123.43	2150.78			5606
	Hydro	10.74	156.37			1271
	Total	134.17	2307.15			6877
State Total		255.30	3945.30			16960

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Apr/2013

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	4866	424	477	5767	617	2484	4666	4642	-484	-393	13117	93	13210	2065	15275	49.95
2	4886	262	484	5632	672	2482	4457	4208	-370	-223	12771	202	12973	1878	14851	49.92
3	4825	236	488	5549	701	2476	4249	4053	-353	-131	12648	222	12870	1769	14639	49.96
4	4834	170	488	5492	727	2476	4106	3969	-353	-87	12577	235	12812	1708	14520	50.02
5	4852	145	492	5489	699	2486	4051	3890	-356	-72	12492	281	12773	1676	14449	50.03
6	4837	240	490	5567	830	2482	4045	3939	-357	-116	12702	542	13244	1739	14983	49.85
7	4811	217	480	5508	893	2499	4243	3859	-380	-193	12566	1031	13597	1807	15404	50.11
8	4712	211	479	5402	537	2534	4298	4402	-411	-316	12559	1031	13590	1933	15523	50.14
9	4747	304	474	5525	396	2581	4499	4859	-585	-538	12823	1023	13846	2234	16080	50.05
10	4759	887	466	6112	342	2620	5150	5315	-808	-727	13662	664	14326	2607	16933	50.03
11	4755	792	463	6010	317	2640	5618	5900	-939	-834	14033	687	14720	2855	17575	50.03
12	4743	677	464	5884	376	2623	5687	5771	-1017	-869	13785	871	14656	2926	17582	50.02
13	4719	485	464	5668	552	2631	5522	5421	-1005	-941	13331	995	14326	2921	17247	50.01
14	4779	224	464	5467	656	2625	5399	5259	-964	-900	13107	796	13903	2808	16711	50.06
15	4735	262	462	5459	788	2636	5360	5106	-956	-907	13082	571	13653	2838	16491	50.00
16	4679	373	466	5518	846	2632	5485	5525	-979	-936	13585	450	14035	2865	16900	50.01
17	4610	207	466	5283	827	2615	5225	5531	-965	-868	13388	356	13744	2848	16592	50.03
18	4589	201	466	5256	982	2561	4525	4301	-858	-995	12105	325	12430	2768	15198	50.14
19	4573	245	470	5288	941	2487	4262	4262	-597	-876	12102	189	12291	2658	14949	50.12
20	4590	534	475	5599	796	2637	4411	4440	-289	-742	12763	191	12954	2721	15675	50.11
21	4470	548	473	5491	783	2612	4505	4680	-287	-621	12997	135	13132	2590	15722	50.05
22	4218	803	473	5494	572	2610	4513	4672	-269	-612	12763	73	12836	2499	15335	49.97
23	4209	1127	486	5822	527	2626	4459	4719	-304	-559	13162	42	13204	2322	15526	49.89
24	4157	1164	566	5887	631	2622	4378	4582	-293	-476	13272	30	13302	2182	15484	50.01
MUs	111.96	10.74	11.48	134.17	16.01	61.68	113.11	113.30	-14.18	-13.93	311.39	11.04	322.43	57.22	379.64	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 17/Apr/2013

Position as on 6.30 Hrs of 18/Apr/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
Koyna Unit 2	75	15/04/2013	07.10		Continued.	Realignment work.	30/04/2013
Chandrapur Unit 1	210	15/04/2013	23.42		Continued.	Boiler validity ext.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	No Schedule.	
CPP WPCL U-4	135	04/02/2013	19.16	17/04/2013	03.03	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 1B	230	13/04/2013	01.22		Continued.	Gas Shortage.	
Dabhol 1A	230	14/04/2013	01.22	18/04/2013	05.50	Gas Shortage.	
Dabhol 1X	290	14/04/2013	01.24		Continued.	Gas Shortage.	
Bhusawal Unit 5	500	16/04/2013	04.25		Continued.	Furnace Pressure High.	
Hydro GhatgharU2	125	16/04/2013	10.30		Continued.	Water seepage from turbine spiral casing foundation.(4 days outage)	
CPP WPCL U-3	135	16/04/2013	18.30		Continued.	Filter replacement.	
Hydro GhatgharU1	125	16/04/2013	20.00		Continued.	While working on U-2,Water leakage observed in penstock.	
Uran Unit 5	108	16/04/2013	23.42	17/04/2013	22.33	Filter replacement.	
Chandrapur Unit 5	500	17/04/2013	20.45		Continued.	Boiler tube leakage.	20/04/2013

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2013

Position as on 6.30 Hrs of 18/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthing Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/04/2013	17.06	17/04/2013	09.00	Over Voltage.
Dhule - S'Sarovar- II	16/04/2013	18.13		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	17/04/2013	16.19		Continued.	Over Voltage.
Kolhapur - Mapusa - II	17/04/2013	20.21		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500 MVA ICT-I at Lamboti.	16/04/2013	08.42	17/04/2013	00.04	Overhauling and replacement of OLTC oil.
400/220 KV 300 MVA ICT-I @ Koradi	17/04/2013	07.03	17/04/2013	17.04	To attend oil leakage from OLTC.
New Koyna - Koyna Stage IV - II	17/04/2013	08.27	17/04/2013	18.56	Cold line washing of insulator.
400/220 KV 500 MVA ICT-II at Lamboti	17/04/2013	08.53	17/04/2013	19.44	Overhauling and replacement of OLTC oil.
Bablsr-Padgha Ckt I	17/04/2013	09.15	17/04/2013	16.43	Q.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa - Khargar	05/04/2013	10.52	17/04/2013	21.56	Mumbai Strengthening Work.
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Kandalgaon - Topworth	15/04/2013	08.20		Continued.	Repl.of CB under JICA II at K'gaon
Wardha-RLY TSS I	15/04/2013	10.36		Continued.	Repl of CB under LES.
Khaperkheda - Wardha.	17/04/2013	07.13	17/04/2013	12.56	Tan delta measurement.
Lamboti-Bale-I	17/04/2013	08.13	17/04/2013	16.07	Conductor string replacement work.
Pedambe-Newkoyna	17/04/2013	08.30	17/04/2013	15.23	B ph.jumper replacement work.
Karad-Mudsingi-IV	17/04/2013	08.59	17/04/2013	19.18	Replacement of insulator.
Nivali-N'koyna	17/04/2013	09.27	17/04/2013	14.55	Cold washing of insulator.
220/132KV,200MVA T/F-2 at Mudshingi	17/04/2013	09.45	17/04/2013	17.03	Q.M.Work
Main Bus at Malinagar	17/04/2013	10.00	17/04/2013	14.05	Q.M.Work
220/33KV,125MVA T/F-1 at Goregaon.	17/04/2013	10.08	17/04/2013	17.28	A.M.Work
New Parly-Nanded-II	17/04/2013	10.14	17/04/2013	16.53	Replacement of string.
220/100 KV,200 MVA,ICT at Pal	17/04/2013	10.15	17/04/2013	18.45	Tan delta measurement.
220/33 KV 100 MVA ICT - I @ Jamde	17/04/2013	10.55	17/04/2013	11.50	To attend hot spot on LV side.
P'pur-Malinagar	17/04/2013	11.00	17/04/2013	15.21	Q.M.Work
Kalwa-Temghar	17/04/2013	15.45	17/04/2013	18.05	To remove bird nest.
Lamboti-Bale-II	17/04/2013	16.11	17/04/2013	19.25	Conductor string replacement work.
Pusad - Yavatmal	18/04/2013	06.11		Continued.	Stringing between Loc.No.26 to 28 LILO 220KV Pusad-Nanded at Ghatoli S/s.
Pusad - Bhugaon	18/04/2013	06.11		Continued.	Stringing between Loc.No.26 to 28 LILO 220KV Pusad-Nanded at Ghatoli

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2013

Position as on 6.30 Hrs of 18/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					S/s.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha - Nagothane- II	17/04/2013	19.41	17/04/2013	22.38	To attend earth wire snapped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/04/2013	17.02	17/04/2013	10.36	Over Voltage.
Karad - Kolhapur - I	16/04/2013	18.06	17/04/2013	07.38	Over Voltage.
Bus Reactor @ Kolhapur	17/04/2013	09.36	17/04/2013	16.05	To improve voltage.
Karad - Kolhapur - II	17/04/2013	16.13		Continued.	Over Voltage.
Bhusawal- Aurangabad	17/04/2013	17.04		Continued.	Over Voltage.
Padgha - Nagothane - I	17/04/2013	23.11	18/04/2013	00.04	Isolator problem at Padgha end.Line is on TBC).
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhili.
Vita - Lamboti	16/04/2013	22.49	17/04/2013	00.43	ICT-I outage at Lamboti.
Murud - Girawli.	18/04/2013	05.12		Continued.	To control line loading on Parli ICT.
Hingoli-Pusad	18/04/2013	06.04		Continued.	To control line loading on Parli ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Warora-Tiroda-I	02/04/2013	14.05		Continued.	Over Voltage.
Padgha - Nagothane - I	17/04/2013	03.51	17/04/2013	08.54	Over Voltage.
Lonikand - Parli - I	17/04/2013	14.43	17/04/2013	15.17	Distance protection operated Zone 1.
Padgha - Nagothane - I	18/04/2013	04.06		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type TRIPPED		
Durgowada - Daryapur	15/04/2013	03.45		Continued.	25 MVA R Ph.C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	140
	620	290
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	230
Unit 5	500	
	1420	530
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	0
Unit 6	500	450
Unit 7	500	425
	2340	1435
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	170
Unit 4	210	190
Unit 5	500	250
	1340	930
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	580
	852	580
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	251
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	1200	1005
WARDHA	405	328
Adani	1320	617
Other CPPs	0	
	2925	1950
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	5741
	3455	5741