



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Apr/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.124	345.179	1) Gujrat	20.006	58.467
2) Hydro	7.746	29.785	2) Madhya Pradesh	21.321	67.155
3) Gas	10.872	32.867	3) Chattisgarh	7.930	27.510
Total MSGENCO	140.742	407.831	4) Maharashtra	77.944	233.981
B) 1) JSW JAIGAD	23.471	68.035	5) Goa	-6.336	-18.392
2) WPCL	7.814	20.070	6) TAPS 1&2 Injection	0.000	0.000
3) ADANI	0.000	22.670	7) RGPPL Injection	8.242	8.846
4) Other CPP / IPP	10.105	27.740	8) Pench (Excess)	-0.236	-0.689
5) Wind Generation	10.908	31.317	# Total Cent. Sector	128.871	376.878
6) PENCH (MS)	0.236	0.689	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.404	-30.440
1) TPCL Thermal	27.711	84.558	G) Bilateral Power *		
2) TPCL Hydro	4.006	11.379	1) MSEDCL Bilateral	46.172	153.326
TOTAL TPCL	31.717	95.937	Include PX	21.352	55.028
3) REL Thermal	12.592	37.779	2) MUMBAI Bilateral	16.072	43.487
D) STATE			Include PX	3.781	12.137
1) Thermal (A1+C1+C3)	162.427	467.516	3) MUMBAI Schedule	16.072	43.487
2) Hydro (A2+B5+C2)	11.988	41.853	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.872	32.867	1) MSEDCL	312.743	924.790
4) Wind (B4)	10.908	31.317	2) TPCL	36.569	111.009
5) CPP (B1+B2+B3)	41.390	115.845	3) REL	17.142	53.142
TOTAL STATE	237.585	689.398	TOTAL STATE	366.454	1088.941

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	5176	5088	4884
MSGENCO Hydro	495	270	128
MSGENCO Gas	446	444	464
MSGENCO Total Generation	6117	5802	5476
Central Sector Receipt	6514	5922	5080
WIND	76	432	502
CPP / IPP	1913	1546	1585
Exchange with Mumbai	-646	-542	-86
MSEDCL DEMAND MET	13974	13160	12557
Load Shedding	626	678	234
MSEDCL DEMAND	14600	13838	12791
TPCL GENERATION	1552	1589	932
R-INFRA GENERATION	525	523	525
TPCL+R-INFRA DEMAND	2723	2654	1543
STATE DEMAND MET	16697	15814	14100
STATE DEMAND	17323	16492	14334
Frequency (Hz)	50.00	49.90	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 03:05 Hrs	49.58 Hz at 15:30 Hrs	49.98	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 03/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	1.22	9.15	142	0	136
Unit 7	4.08	12.47	195	145	165
Total	5.30	21.62			301
Bhusawal					
Unit 2	3.77	10.31	160	150	150
Unit 3	3.92	11.38	170	155	160
Unit 4	10.46	20.24	480	395	500
Unit 5	4.46	11.48	220	150	0
Total	22.62	53.42			810
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	2.88	9.07	135	109	145
Unit 2	3.73	10.97	164	145	160
Unit 3	4.39	13.18	197	153	180
Unit 4	4.09	12.11	185	148	200
Unit 5	9.37	28.85	410	355	425
Unit 6	10.52	31.32	450	430	450
Unit 7	9.45	28.59	425	360	400
Total	44.43	134.10			1960
Paras					
Unit 3	5.64	17.68	245	218	250
Unit 4	4.25	15.25	250	0	0
Total	9.89	32.93			250
Khaparkheda					
Unit 1	4.05	12.40	195	115	160
Unit 2	3.75	11.11	175	130	160
Unit 3	4.04	12.25	201	157	170
Unit 4	4.62	13.41	204	164	190
Unit 5	10.32	14.06	488	360	400
Total	26.78	63.24			1080
Nasik					
Unit 3	4.48	13.45	195	170	195
Unit 4	4.10	12.77	189	136	185
Unit 5	4.53	13.65	196	170	195
Total	13.11	39.87			575
Uran					
All Units	10.87	32.87	465	441	440
Total	10.87	32.87			440
PENCH (MS)					
Pench (MS)	0.24	0.69	54	0	0
Total	0.24	0.69			0
Koyna					
Stage 1-2	1.96	9.17	370	40	600
Stage 4	0.37	3.71	220	0	250
Stage 3	0.46	2.81	158	0	240
Kovna 12&4 Total	2.32	12.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.78	15.70			1090
Hydro					
KDPH	0.60	2.43	36	19	36
VTRNA	0.90	2.99	61	0	61
TILLARI	0.48	1.20	60	0	60
BHTGR/VEER	0.04	0.13	2	1	2
BHIRA T.R.	0.16	0.46	77	0	40
RNGR+BHTSA	0.32	0.99	14	13	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.88	2.50	37	36	0
GHATGHAR	1.57	3.38	250	0	0
Total	4.96	14.09			213
Wind					
MalharPeth	0.44	1.36			
Vankuswadi	0.66	1.94			
ATIT	0.07	0.46			
Kale	0.24	0.68			
Satara	1.65	2.54			
Shirala	0.24	0.94			
K Mahankal	0.02	1.67			
Supa	0.11	0.33			
Vita	0.85	2.98			
Dondaicha	4.77	13.01			
Sakri	0.61	1.68			
Nandurbar	0.43	1.42			
Khandke	0.46	1.31			
Khaparale	0.36	0.99			
Total	10.91	31.32			
CPP					
JSW JAIGAD	23.47	68.04	1130	766	781
WARDHA	7.81	20.07	336	247	331
Adani	0.00	22.67	0	0	
Other CPPs	10.10	27.74			
Total	41.39	138.52			1112
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.45	35.39	504	342	500
Trombay 6	5.63	17.30	464	147	500
Trombay 7A	3.01	8.99	127	122	120
Trombay 7B	1.63	4.88	69	67	60
Trombay 8	5.99	18.00	251	245	250
TATA Hydro	4.01	11.38	351	0	447
Total	31.72	95.94			1877
REL					
1&2	12.59	37.78	525	523	500
Total	12.59	37.78			500
Cent Sect					
Share					4821
Total					4821

MS PG CL	Thermal	122.12	345.18			4976
	Thml+Gas	133.00	378.05			5416
	Hydro	7.75	29.78			1303
	Total	140.74	407.83			6719
State Total		237.58	689.40			15029

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	4964	189	465	5618	394	1746	4350	5475	-498	-219	13014	163	13177	1850	15027	49.99
2	5003	133	465	5601	510	1747	4623	5071	-464	-52	12877	204	13081	1687	14768	49.93
3	4979	128	463	5570	517	1591	4773	5252	-457	-89	12841	218	13059	1586	14645	50.01
4	4884	128	464	5476	502	1585	4754	5080	-434	-86	12557	234	12791	1543	14334	50.13
5	4934	128	464	5526	694	1593	4748	5049	-432	-89	12773	259	13032	1564	14596	49.92
6	4987	132	463	5582	860	1677	4738	5185	-439	-63	13241	453	13694	1646	15340	49.94
7	5162	128	463	5753	667	1738	4968	4910	-440	-138	12930	988	13918	1753	15671	50.06
8	5278	151	463	5892	420	1738	4966	5089	-443	-234	12905	1000	13905	1867	15772	50.06
9	5232	178	461	5871	333	1837	5136	5163	-468	-338	12866	932	13798	2158	15956	49.94
10	5150	230	456	5836	232	1882	5549	6109	-697	-393	13666	618	14284	2439	16723	49.96
11	5176	495	446	6117	76	1913	6057	6514	-869	-646	13974	626	14600	2723	17323	50.00
12	5104	768	442	6314	46	1900	5657	6072	-920	-667	13665	759	14424	2843	17267	49.91
13	5082	634	441	6157	95	1910	5682	5905	-904	-669	13398	883	14281	2787	17068	50.01
14	5133	508	442	6083	183	1815	5709	5720	-832	-525	13276	727	14003	2676	16679	50.04
15	5160	552	442	6154	277	1811	5512	5666	-829	-604	13304	605	13909	2706	16615	49.88
16	5177	551	442	6170	386	1808	5657	5855	-852	-582	13637	569	14206	2698	16904	49.89
17	5088	270	444	5802	432	1546	5625	5922	-848	-542	13160	678	13838	2654	16492	49.90
18	5057	177	446	5680	489	1560	5064	4969	-831	-619	12092	826	12918	2586	15504	50.14
19	5146	275	450	5871	616	1560	4882	4644	-790	-609	12135	553	12688	2475	15163	49.94
20	5057	378	450	5885	585	1616	4682	4957	-839	-627	12470	634	13104	2561	15665	49.98
21	5136	380	450	5966	771	1714	4752	5026	-802	-510	13017	445	13462	2419	15881	49.99
22	5128	201	450	5779	633	1720	5059	5006	-671	-399	12765	257	13022	2272	15294	49.97
23	5061	372	450	5883	643	1700	4715	5132	-669	-375	13009	197	13206	2194	15400	49.87
24	5046	660	450	6156	547	1683	4817	5100	-645	-329	13171	152	13323	2026	15349	49.95
MUs	122.12	7.75	10.87	140.74	10.91	41.39	122.48	128.87	-16.07	-9.40	312.74	12.98	325.72	53.71	379.44	49.98

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 03/Apr/2013

Position as on 6.30 Hrs of 04/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.	12/04/2013
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.	
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	400kV Tirora-Warora isolator sparking	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	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 3B	230	21/02/2013	23.08		Continued.	Gas shortage.	
Cent_Sect Tarapur 1	80	04/03/2013	05.30		Continued.	Pressure Pump Seal Leakage.	
Koyna ST - IV 3	250	28/03/2013	13.00	03/04/2013	15.43	Sphercul Valve Oil Tank Water Ingrace Upto 03/04/2013.	
Uran Unit 7	108	02/04/2013	10.45		Continued.	Gas Restriction	
CPP Adani U-2	660	02/04/2013	14.00		Continued.	Super heater header drain wall.	
Paras Unit 4	250	02/04/2013	22.43	03/04/2013	06.14	Super heater problem.	
CPP WPCL U-1	135	03/04/2013	06.55	03/04/2013	07.27	Flame failure.	
Koradi Unit 6	210	03/04/2013	08.42	04/04/2013	06.49	I.D fan problem.	
CPP JSW (J) U1	300	03/04/2013	16.11	03/04/2013	19.28	Vibration problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Apr/2013

Position as on 6.30 Hrs of 04/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	01/04/2013	11.28	03/04/2013	10.00	Over Voltage.
Wardha (PG) - Warora - I	02/04/2013	17.06		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Kolhapur - Mapusa - II	02/04/2013	18.03	03/04/2013	08.43	Over Voltage.
Dhule-S'Sarovar I	02/04/2013	20.10		Continued.	Over Voltage.
Kolhapur - Mapusa - I	03/04/2013	16.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	03/04/2013	17.53		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	18/03/2013	16.15		Continued.	Over Voltage,while charging Warora-Tiroda I first time charge.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Khaparkheda-I	14/03/2013	10.05		Continued.	Erection of 3 No's of 400KV CT,CT Testing & CB Trials,Tie Bkr @ K'kheda Out.Line in Service.
400/220KV 167MVA Spare ICT at Kalwa	02/04/2013	11.30		Continued.	Demonstration of various megger kit.
Main Bus - II @ Lamboti	03/04/2013	10.18	03/04/2013	14.02	CVT testing.
400/220 KV 500 MVA ICT-I @ Deepnagar	03/04/2013	18.16	03/04/2013	18.42	Replacement of PDR relay.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41		Continued.	Isolator replacement work(Up to 10/4/13)
220/100KV 200MVA ICT-IV at Kalwa	20/03/2013	08.24		Continued.	Repl.of LV Bkr,up to 03.04.2013
Padgha-Vasai	25/03/2013	15.12		Continued.	On TBC at Padgha for Bkr repl. work.
Bus Coupler @ Boiser	31/03/2013	09.33		Continued.	Bkr Repl.work under JICA.
Borivali- Aarey	03/04/2013	06.32	03/04/2013	07.56	CT testing work.
220/132 KV ICT- I Nasik GCR	03/04/2013	09.02	03/04/2013	18.06	CT tan delta and bay maint. work.
Main Bus @ Karkumbh	03/04/2013	09.05	03/04/2013	15.50	Q.M.Work
220/132 KV 200 MVA ICT - I @ Kalmeshwar	03/04/2013	09.10	03/04/2013	13.50	Replacement of Y ph.jumper.(ICT HV side will be shifted on TBC.)
TBC @ Amravati	03/04/2013	09.50	03/04/2013	11.15	Attending oil leakage of Y ph.CT.
Vita - Lamboti	03/04/2013	11.25	03/04/2013	16.34	Q.M.Work
Karad-M'peth	03/04/2013	11.36	03/04/2013	13.56	Relay testing work.
Miraj - Mhaisal	03/04/2013	11.51	03/04/2013	15.20	Maintenance work.
Mumewadi-Halkarni-II	03/04/2013	12.32	03/04/2013	14.23	Replacement of insulator.
P'pur-Malinagar	03/04/2013	16.40	03/04/2013	18.30	Relay testing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Whirlpool - Ismit	08/03/2013	08.45		Continued.	Erection of Tower & D/C String of New Conductor Outage Upto 30/3/2013.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Apr/2013

Position as on 6.30 Hrs of 04/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Khadka - Deepnagar - II	07/03/2013	06.17		Continued.	Over Voltage.
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped
Bhusawal- Aurangabad	01/04/2013	16.32		Continued.	Over Voltage.
Dabhol - New Koyna - I	02/04/2013	00.55	03/04/2013	06.59	Over Voltage.
Karad - Kolhapur - I	02/04/2013	16.05	03/04/2013	06.44	Over Voltage.
Karad - Kolhapur - I	03/04/2013	16.12	04/04/2013	06.42	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
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.
Koradi - II - Indiabull	03/04/2013	17.55		Continued.	Over Voltage.
Padgha - Nagothane - I	04/04/2013	03.30		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali(M)-Borivali(Rel) 1	31/03/2013	21.56		Continued.	Line diff prot,dist,prot tripped at both ends.
Hinganghat-Bhugaon	02/04/2013	21.50	03/04/2013	07.34	Distance Protection.
Mumewadi-Halkarni-II	03/04/2013	04.06	03/04/2013	04.20	Distance Protection.
Pedambe - Oni	03/04/2013	11.53	03/04/2013	12.15	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikali - Mehkar	03/04/2013	08.02	03/04/2013	08.25	Distance protection operated Zone 1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	170
	620	170
Bhusawal		
Unit 2	210	150
Unit 3	210	160
Unit 4	500	430
Unit 5	500	0
	1420	740
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	145
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	450
Unit 7	500	450
	2340	2005
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	143
Unit 2	210	141
Unit 3	210	144
Unit 4	210	145
Unit 5	500	437
	1340	1010
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	440
	852	440
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	213
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	1020
WARDHA	405	312
Adani	1320	0
Other CPPs	0	
	2925	1332
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	6402
	3455	6402