



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Apr/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.973	2376.651	1) Gujrat	5.204	263.905
2) Hydro	5.441	183.739	2) Madhya Pradesh	20.127	417.302
3) Gas	14.123	260.109	3) Chattisgarh	8.590	168.650
Total MSGENCO	136.537	2820.499	4) Maharashtra	57.338	1355.719
B) 1) JSW JAIGAD	24.009	514.305	5) Goa	-5.080	-119.557
2) WPCL	6.368	152.773	6) TAPS 1&2 Injection	3.940	56.718
3) ADANI	14.630	251.790	7) RGPPL Injection	27.719	419.053
4) Other CPP / IPP	12.153	234.650	8) Pench (Excess)	-0.135	-4.791
5) Wind Generation	8.082	227.155	# Total Cent. Sector	117.703	2556.999
6) PENCH (MS)	0.135	4.791	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.881	-286.205
1) TPCL Thermal	21.465	531.583	G) Bilateral Power *		
2) TPCL Hydro	0.564	75.742	1) MSEDCL Bilateral	38.802	923.850
TOTAL TPCL	22.029	607.325	Include PX	-0.018	140.399
3) REL Thermal	12.336	263.555	2) MUMBAI Bilateral	10.752	313.746
D) STATE			Include PX	-0.206	72.528
1) Thermal (A1+C1+C3)	150.774	3171.789	3) MUMBAI Schedule	10.752	313.746
2) Hydro (A2+B5+C2)	6.140	264.272	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.123	260.109	1) MSEDCL	305.736	6476.757
4) Wind (B4)	8.082	227.155	2) TPCL	31.138	759.218
5) CPP (B1+B2+B3)	57.160	916.358	3) REL	17.106	397.794
TOTAL STATE	236.279	4839.683	TOTAL STATE	353.980	7633.769

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4871	5242	4721
MSGENCO Hydro	542	288	129
MSGENCO Gas	580	591	578
MSGENCO Total Generation	5993	6121	5428
Central Sector Receipt	5680	4218	4655
WIND	110	749	295
CPP / IPP	2414	2382	2325
Exchange with Mumbai	-629	-490	-712
MSEDCL DEMAND MET	13568	13007	11991
Load Shedding	521	57	112
MSEDCL DEMAND	14089	13064	12103
TPCL GENERATION	948	1197	622
R-INFRA GENERATION	525	522	431
TPCL+R-INFRA DEMAND	2102	2209	1765
STATE DEMAND MET	15670	15216	13756
STATE DEMAND	16191	15273	13868
Frequency (Hz)	50.23	50.06	50.17

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 17.02 Hrs	49.66 Hz at 19.08 Hrs	50.15	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 21/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	4.07	78.73	185	150	175
Unit 7	3.61	83.44	165	130	150
Total	7.68	162.18			325
Bhusawal					
Unit 2	3.98	81.25	175	155	165
Unit 3	3.84	81.64	170	150	160
Unit 4	8.70	166.69	420	255	430
Unit 5	6.62	53.83	405	200	
Total	23.14	383.40			755
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	3.27	50.82	154	66	160
Unit 2	3.11	76.40	132	124	125
Unit 3	4.96	88.00	212	185	205
Unit 4	4.46	92.42	200	166	200
Unit 5	10.61	143.36	455	424	450
Unit 6	10.43	202.24	450	415	450
Unit 7	9.03	193.40	408	340	400
Total	45.88	846.64			1990
Paras					
Unit 3	1.48	117.75	231	0	0
Unit 4	5.86	109.34	254	229	250
Total	7.35	227.09			250
Khaparkheda					
Unit 1	3.64	77.60	170	115	170
Unit 2	4.02	73.68	175	150	160
Unit 3	3.52	80.05	170	132	180
Unit 4	4.71	86.29	210	165	180
Unit 5	8.36	187.03	420	320	350
Total	24.25	504.66			1040
Nasik					
Unit 3	4.36	93.08	195	175	195
Unit 4	0.00	65.08	0	0	0
Unit 5	4.31	94.51	197	173	195
Total	8.68	252.67			390
Uran					
All Units	14.12	260.11	614	568	570
Total	14.12	260.11			570
PENCH (MS)					
Pench (MS)	0.14	4.79	27	0	
Total	0.14	4.79			
Koyna					
Stage 1-2	1.62	50.94	305	40	530
Stage 4	0.00	22.06	0	0	250
Stage 3	0.45	16.38	132	0	240
Kovna 12&4 Total	1.62	73.00			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.06	89.38			1020
Hydro					
KDPH	0.89	16.08	38	37	36
VTRNA	0.81	20.08	61	0	60
TILLARI	0.35	7.40	60	0	60
BHTGR/VEER	0.04	0.97	2	1	2
BHIRA T.R.	0.14	3.82	40	0	80
RNGR+BHTSA	0.28	6.49	12	11	14
BHANDARDRA	0.12	1.82	43	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.74	19.94	31	30	
GHATGHAR	0.00	17.78	0	0	
Total	3.38	94.36			252
Wind					
MalharPeth	0.36	10.67			
Vankuswadi	0.74	14.70			
ATIT	0.09	4.26			
Kale	0.22	5.95			
Satara	0.19	18.61			
Shirala	0.21	7.64			
K Mahankal	1.33	14.71			
Supa	0.06	2.68			
Vita	0.69	24.49			
Dondaicha	2.86	85.03			
Sakri	0.34	10.78			
Nandurbar	0.31	9.03			
Khandke	0.23	9.92			
Khaparale	0.43	8.67			
Total	8.08	227.16			
CPP					
JSW JAIGAD	24.01	514.30	1112	930	1005
WARDHA	6.37	152.77	328	212	330
Adani	14.63	251.79	620	600	614
Other CPPs	12.15	234.65			200
Total	57.16	1153.52			2149
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.08	230.47	500	279	500
Trombay 6	3.58	91.08	150	149	500
Trombay 7A	1.38	54.60	126	0	0
Trombay 7B	0.65	29.65	69	0	60
Trombay 8	5.78	125.79	253	194	250
TATA Hydro	0.56	75.74	143	0	447
Total	22.03	607.32			1757
REL					
1&2	12.34	263.56	526	431	500
Total	12.34	263.56			500
Cent Sect					
Share					5026
Total					5026

MS PG CL	Thermal	116.97	2376.65			4750
	Thml+Gas	131.10	2636.76			5320
	Hydro	5.44	183.74			1272
	Total	136.54	2820.50			6592
State Total		236.28	4839.68			16024

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4763	128	568	5459	406	2472	4759	5266	-453	-692	12911	30	12941	2116	15057	50.04
2	4750	128	571	5449	307	2465	4691	4923	-384	-495	12649	91	12740	1945	14685	50.05
3	4760	128	572	5460	284	2343	4496	4874	-386	-672	12289	108	12397	1825	14222	50.03
4	4721	129	578	5428	295	2325	4499	4655	-369	-712	11991	112	12103	1765	13868	50.17
5	4736	135	580	5451	208	2275	4419	4785	-350	-664	12055	145	12200	1730	13930	50.19
6	4854	135	587	5576	190	2246	4598	5170	-332	-487	12695	333	13028	1762	14790	50.05
7	4856	165	595	5616	148	2255	4766	5109	-323	-414	12714	811	13525	1752	15277	50.24
8	4920	132	585	5637	89	2332	4776	5393	-312	-438	13013	812	13825	1773	15598	50.18
9	4904	223	586	5713	142	2329	4927	4936	-310	-435	12685	826	13511	1837	15348	50.16
10	4926	271	586	5783	157	2385	4992	5552	-338	-540	13337	608	13945	1962	15907	50.12
11	4871	542	580	5993	110	2414	5017	5680	-380	-629	13568	521	14089	2102	16191	50.23
12	4828	617	579	6024	75	2287	5081	5523	-409	-601	13308	616	13924	2126	16050	50.15
13	4754	346	605	5705	92	2404	5059	5309	-476	-576	12934	738	13672	2119	15791	50.08
14	4673	277	607	5557	156	2515	5064	5302	-486	-587	12943	578	13521	2072	15593	50.24
15	4618	273	614	5505	226	2530	5140	5335	-486	-532	13064	353	13417	2059	15476	50.24
16	4708	179	607	5494	294	2374	5251	5303	-486	-457	13008	324	13332	2054	15386	50.17
17	4700	182	589	5471	422	2353	5136	4993	-486	-479	12760	204	12964	2049	15013	50.24
18	4821	182	589	5592	513	2371	4465	3887	-486	-613	11750	88	11838	2017	13855	50.34
19	5072	188	591	5851	683	2408	4335	3791	-487	-634	12116	47	12163	2038	14201	50.21
20	5242	288	591	6121	749	2382	4757	4218	-581	-490	13007	57	13064	2209	15273	50.06
21	5212	283	590	6085	793	2409	4906	4077	-583	-551	12840	43	12883	2244	15127	50.16
22	5267	184	590	6041	747	2424	4933	4024	-579	-646	12616	30	12646	2258	14904	50.16
23	5078	184	591	5853	525	2411	4994	4605	-637	-777	12637	18	12655	2238	14893	50.08
24	4940	142	592	5674	471	2451	4901	4992	-633	-760	12846	20	12866	2194	15060	50.02
MUs	116.97	5.44	14.12	136.54	8.08	57.16	115.96	117.70	-10.75	-13.88	305.74	7.51	313.25	48.25	361.50	50.15

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 21/Apr/2013

Position as on 6.30 Hrs of 22/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
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.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
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	21/04/2013	10.25	Filter replacement.	
Hydro GhatgharU1	125	16/04/2013	20.00		Continued.	While working on U-2,Water leakage observed in penstock.	
Nasik Unit 4	210	18/04/2013	12:15		Continued.	Boiler Tube Leakage.	
Tata Trombay 7B	60	19/04/2013	01:12	21/04/2013	13.49	Boiler Tube Leakage.	
Paras Unit 3	250	20/04/2013	21.30	21/04/2013	16.36	To Attend Main Steam Line Leakage.	
CPP WPCL U-1	135	20/04/2013	21.59		Continued.	F D Fan Problem.	
Tata Trombay 7A	120	21/04/2013	00.00	21/04/2013	10.03	Demper Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2013

Position as on 6.30 Hrs of 22/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - I	20/04/2013	10.15		Continued.	Repl.of Faulty Disc Insulator.
Akola - Wardha - I	21/04/2013	09.03	21/04/2013	15.22	CVT Replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthing Work & Now Line Tarapur-Ghodbunder.(one month)
Tarapur-Borivali	21/04/2013	09.33	21/04/2013	19.25	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Kolhapur - Mapusa - I	20/04/2013	16.42	21/04/2013	09.38	Over Voltage.
Kolhapur-Mapusa-II	21/04/2013	16.31		Continued.	Over Voltage.
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Wardha-RLY TSS I	15/04/2013	10.36		Continued.	Repl of CB under LES.
Miraj -Ichalkarajni	19/04/2013	15.18		Continued.	Distance Relay retrofitting work
Aarey-Versova	21/04/2013	07.32	21/04/2013	10.03	Conductor Repair Work.
220/100KV,200 MVA ICT-II at Trombay.	21/04/2013	09.00	21/04/2013	23.44	Oil Leakage Attending Work.
Chakan - Mahindra Vechicles	21/04/2013	10.27	21/04/2013	16.49	R.M.Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT - II @ Jejuri	20/04/2013	12.50		Continued.	Taken on TBC LV Side Red Hot Spot.
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	17/04/2013	17.04	21/04/2013	06.44	Over Voltage.
Warora - Wardha (PG) - II	19/04/2013	19.40		Continued.	Sparking at B Phase CT at Wardha,Ready for Charging from
Karad-Kolhapur-II	20/04/2013	17.49	21/04/2013	06.34	Over Voltage.
Bhusawal- Aurangabad	21/04/2013	09.45		Continued.	To Control Akola-Wardha-II.
Karad - Kolhapur - I	21/04/2013	17.10	22/04/2013	06.45	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhili.
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.
Kalwa - Lonikand	21/04/2013	14.35	21/04/2013	19.23	Distance Protection Y Ph Earth Fault.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2013

Position as on 6.30 Hrs of 22/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Parli - Lamboti	21/04/2013	18.00	21/04/2013	19.13	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT-I @ Satana	20/04/2013	20.28	21/04/2013	01.50	Differential Protection.
New Paras TPS-Alola-II	21/04/2013	14.50	21/04/2013	15.07	Due to Bus Fault.
220/6.6 KV 50 MVA Stn T/F @ New Paras	21/04/2013	14.50	21/04/2013	15.17	Due to Bus Fault.
New Paras TPS - Chikhali - II	21/04/2013	14.50	21/04/2013	15.09	Due to Bus Fault.
Main Bus- I @ New Paras TPS	21/04/2013	14.50	21/04/2013	15.04	Bus Bar Protection Operated While Synch.Unit-3.
Bus Coupler at New Paras TPS	21/04/2013	14.50	21/04/2013	15.04	Due to Bus Fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Chinchwad-Rahatri	21/04/2013	10.57	21/04/2013	11.19	Transient Fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	155
	620	315
Bhusawal		
Unit 2	210	165
Unit 3	210	165
Unit 4	500	300
Unit 5	500	
	1420	630
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	160
Unit 2	210	130
Unit 3	210	205
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	425
	2340	2020
Paras		
Unit 3	250	230
Unit 4	250	250
	500	480
Khaparkheda		
Unit 1	210	160
Unit 2	210	180
Unit 3	210	160
Unit 4	210	190
Unit 5	500	400
	1340	1090
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	195
	630	390
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	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	40
GHATGHAR	250	0
	611	253
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	327
Adani	1320	617
Other CPPs	300	200
	3225	2149
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	5508
	3455	5508