



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Apr/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.989	2509.207	1) Gujrat	5.834	119.403
2) Hydro	20.187	434.533	2) Madhya Pradesh	24.168	488.920
3) Gas	10.604	188.290	3) Chattisgarh	10.750	211.330
Total MSGENCO	148.780	3132.030	4) Maharashtra Net	90.561	1767.397
B) 1) JSW JAIGAD	14.117	285.331	(Incl. 765kV Solapur-Raichur)	-0.505	-37.275
2) WPCL	0.000	4.347	5) Goa	-6.022	-124.020
3) ADANI	31.702	735.310	6) TAPS 1&2 Injection	7.389	148.738
4) Other CPP / IPP	18.155	464.606	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.744	157.332	8) Pench (Excess)	-0.053	-2.526
6) PENCH (MS)	0.053	2.893			
7) SOLAR	0.823	20.253	# Total Cent. Sector	132.627	2609.242
C) 1) TPCL Thermal	13.788	355.700	F) Other Exchanges		
2) TPCL Hydro	1.701	71.460	1) With TPCL (Excess)	-22.441	-463.778
TOTAL TPCL	15.489	427.160	G) Bilateral Power *		
3) REL Thermal	12.480	248.055	1) MSEDCL Bilateral	17.558	338.177
D) STATE			Include PX	-0.319	11.734
1) Thermal (A1+C1+C3)	144.257	3112.962	2) MUMBAI Bilateral	22.746	490.750
2) Hydro (A2+B6+C2)	21.941	508.886	Include PX	3.528	78.347
3) Gas (A3)	10.604	188.290	3) MUMBAI Schedule	22.746	490.750
4) Wind (B5)	4.744	157.332	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	63.974	785.986	1) MSEDCL	328.560	6947.566
6) SOLAR (B7)	0.823	20.253	2) TPCL	31.739	727.738
TOTAL STATE	246.343	4773.709	3) REL	18.669	411.315
			TOTAL STATE	378.968	8086.619

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5057	4928	4765
MSGENCO Hydro	1726	1965	150
MSGENCO Gas	440	436	435
MSGENCO Total Generation	7223	7329	5350
Central Sector Receipt	5727	5811	5251
WIND	93	363	205
CPP / IPP	2668	2660	2662
SOLAR	131	67	0
Exchange with Mumbai	-1061	-1005	-698
MSEDCL DEMAND MET	14781	15225	12770
Load Shedding	724	458	170
MSEDCL DEMAND	15505	15683	12940
TPCL GENERATION	643	643	570
R-INFRA GENERATION	520	519	520
TPCL+R-INFRA DEMAND	2224	2167	1788
STATE DEMAND MET	17005	17392	14558
STATE DEMAND	17729	17850	14728
Frequency (Hz)	49.96	50.03	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 18.01 Hrs	49.74 Hz at 19.11 Hrs	50.01	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 20/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.40	0	0	0
Unit 6	3.54	52.32	163	125	145
Unit 7	3.75	71.07	175	140	160
Total	7.29	123.80			305
Bhusawal					
Unit 2	0.53	49.03	130	0	0
Unit 3	2.82	58.74	130	105	130
Unit 4	10.04	151.76	500	335	400
Unit 5	0.00	115.73	0	0	0
Total	13.39	375.27			530
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.95	76.71	175	158	164
Unit 5	3.66	38.23	160	146	150
Unit 6	5.08	91.74	250	187	185
Unit 7	5.01	89.98	250	185	185
Total	17.70	296.67			684
Chandrapur					
Unit 1	0.00	57.13	0	0	0
Unit 2	3.90	71.05	169	138	170
Unit 3	3.32	69.03	175	107	180
Unit 4	0.53	88.96	208	0	0
Unit 5	10.32	209.21	450	395	450
Unit 6	9.07	194.83	398	348	400
Unit 7	9.62	190.40	420	369	410
Total	36.76	880.61			1610
Paras					
Unit 3	5.00	83.57	226	191	210
Unit 4	4.88	80.38	226	188	190
Total	9.88	163.96			400
Khaparkheda					
Unit 1	3.79	76.28	175	135	170
Unit 2	3.84	73.40	175	135	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.38	91.36	209	152	210
Unit 5	7.78	183.65	374	270	280
Total	19.79	425.49			840
Nasik					
Unit 3	4.33	66.95	185	170	190
Unit 4	4.43	88.69	196	157	190
Unit 5	4.42	87.79	192	173	190
Total	13.17	243.42			570
Uran					
All Units	10.60	188.29	464	435	440
Total	10.60	188.29			440
PENCH (MS)					
Pench (MS)	0.05	2.89	40	0	
Total	0.05	2.89			
Koyna					
Stage 1-2	4.80	105.52	515	40	600
Stage 4	7.10	174.32	997	0	250
Stage 3	2.71	61.40	300	0	320
Kovna 12&4 Total	11.90	279.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.61	341.25			1170
Hydro					
KDPH	0.71	9.28	31	29	18
VTRNA	1.10	24.41	61	0	61
TILLARI	0.42	7.90	64	0	60
BHTGR/VEER	0.08	1.41	4	3	3
BHIRA T.R.	0.18	4.18	40	0	40
RNGR+BHTSA	0.31	6.01	13	12	0
BHANDARDRA	0.00	3.27	0	0	0
ELDARY	0.36	2.79	15	14	0
SMLHY PTN	0.85	17.62	36	35	15
GHATGHAR	1.58	16.40	250	0	0
Total	5.58	93.28			197
Wind					
MalharPeth	0.06	5.08			
Vankuswadi	0.28	8.76			
ATIT	0.02	0.99			
Kale	0.14	3.45			
Satara	1.45	35.60			
Shirala	0.14	3.69			
K Mahankal	0.04	0.49			
Supa	0.06	1.72			
Vita	1.23	20.12			
Dondaicha	0.80	54.70			
Sakri	0.08	5.96			
Nandurbar	0.07	6.41			
Khandke	0.26	4.46			
Khaparale	0.11	5.90			
Total	4.74	157.33			
CPP					
JSW JAIGAD	14.12	285.33	592	581	535
WARDHA	0.00	4.35	0	0	0
Adani	31.70	735.31	1369	1260	1356
Other CPPs	18.16	464.61			530
Total	63.97	1489.59			2421
SOLAR					
Total	0.82	20.25			
Total	0.82	20.25			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	5.65	221.54	421	220	500
Trombay 6	3.70	49.50	155	153	500
Trombay 7A	2.82	53.27	126	114	120
Trombay 7B	1.62	31.39	70	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.70	71.46	214	0	447
Total	15.49	427.16			1627
REL					
1&2	12.48	248.06	522	517	500
Total	12.48	248.06			500
Cent Sect					
Share					5348
Total					5348
MS PG CL	Thermal	117.99	2509.21		4939
	Thml+Gas	128.59	2697.50		5379
	Hydro	20.19	434.53		1367
	Total	148.78	3132.03		6746
State Total		246.34	4773.71		16642

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Apr/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5116	609	436	6161	312	2701	0	5026	5404	-925	-915	13663	17	13680	2202	15882	50.03
2	5106	358	436	5900	278	2689	0	4969	5267	-856	-842	13292	35	13327	2033	15360	49.99
3	5027	154	436	5617	316	2663	0	5042	5213	-838	-803	13006	35	13041	1907	14948	50.00
4	4922	135	435	5492	240	2663	0	5043	5259	-838	-726	12928	35	12963	1818	14781	49.98
5	4765	150	435	5350	205	2662	0	5048	5251	-844	-698	12770	170	12940	1788	14728	49.98
6	4761	363	436	5560	179	2646	0	5077	5369	-862	-726	13028	430	13458	1821	15279	50.01
7	4773	373	438	5584	134	2662	1	5221	5179	-882	-726	12834	951	13785	1804	15589	50.16
8	4847	247	464	5558	87	2647	22	5257	5118	-887	-716	12716	984	13700	1794	15494	50.08
9	4859	292	449	5600	85	2681	58	5276	5514	-905	-816	13122	869	13991	1893	15884	49.94
10	4923	898	441	6262	100	2677	81	5313	5915	-912	-870	14165	547	14712	2035	16747	49.94
11	4940	1373	439	6752	89	2668	108	5389	5946	-984	-964	14599	563	15162	2167	17329	49.96
12	5057	1726	440	7223	93	2668	131	5414	5727	-1015	-1061	14781	724	15505	2224	17729	49.96
13	5091	1683	440	7214	72	2607	154	5305	5616	-1020	-1071	14592	882	15474	2231	17705	50.00
14	5129	1416	437	6982	39	2718	112	5298	5837	-1020	-1036	14652	822	15474	2197	17671	50.04
15	5103	1459	435	6997	52	2675	45	5284	6002	-1007	-1035	14736	615	15351	2195	17546	50.00
16	4928	1965	436	7329	363	2660	67	5262	5811	-992	-1005	15225	458	15683	2167	17850	50.03
17	4784	1945	443	7172	142	2662	37	5161	5616	-965	-973	14656	473	15129	2132	17261	50.10
18	4822	623	450	5895	212	2656	7	4648	5058	-895	-945	12883	624	13507	2095	15602	50.26
19	4837	275	445	5557	290	2669	0	4586	4856	-841	-976	12399	187	12586	2100	14686	50.05
20	4837	883	448	6168	270	2656	0	5257	5712	-1041	-996	13850	64	13914	2289	16203	49.90
21	4829	759	446	6034	308	2659	0	5317	5877	-1072	-1132	13756	23	13779	2372	16151	49.94
22	4805	755	446	6006	143	2669	0	5294	5806	-1050	-1089	13535	17	13552	2379	15931	49.92
23	4891	865	446	6202	295	2678	0	5286	5610	-1054	-1165	13620	15	13635	2380	16015	49.94
24	4837	881	447	6165	440	2638	0	5282	5663	-1043	-1155	13751	9	13760	2387	16147	49.91
MUs	117.99	20.19	10.60	148.78	4.74	63.97	0.82	124.05	132.63	-22.75	-22.44	328.56	9.55	338.11	50.41	388.52	50.01

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 20/Apr/2014

Position as on 6.30 Hrs of 21/Apr/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Khaparkheda Unit 3	210	01/04/2014	05.14		Continued.	A.O.H.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
CPP JSW (J) U3	300	14/04/2014	23.51		Continued.	Annual Shutdown.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP Adani U-4	660	14/04/2014	04:35		Continued.	With Drawan.	
Bhusawal Unit 5	500	17/04/2014	14.59		Continued.	Boiler Tube Leakage	
Chandrapur Unit 1	210	17/04/2014	22.29		Continued.	Boiler validity extension	
CPP INDIABULLS	270	19/04/2014	19.50		Continued.	Coal Shortage.	
Chandrapur Unit 4	210	20/04/2014	02.58		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 2	210	20/04/2014	04.10		Continued.	Bearing Temp.High.	
Koyna Unit 8	80	20/04/2014	11.05		Continued.	Boiler Bearing Temp.High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2014

Position as on 6.30 Hrs of 21/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	20/04/2014	17.57		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol-Nagothane - II	14/04/2014	14.30		Continued.	Hot Spot on B-Ph CT.
Padgha - Babaleshwar - II	15/04/2014	11.51		Continued.	Taken on TBC,BKR O/H work at BBLSR.
Karad-Jaigad II	20/04/2014	09.10		Continued.	Cold Washing Work,RFG @ 18.05 Hrs.
400/220 KV 315 MVA ICT-II @ Nagothane.	20/04/2014	11.00	20/04/2014	16.30	Painting Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa- salsett 6	20/04/2014	07.30	20/04/2014	13.10	Maintenance Work.
Trombay - Tata Tie - I	20/04/2014	08.14	20/04/2014	13.10	Maintenance Work.
Dahanu-Bhoisor	20/04/2014	09.43	20/04/2014	15.29	Replacement of Insulator.
Trombay - Tata Tie - II	20/04/2014	14.47	20/04/2014	18.13	Maintenance Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Warora-Chandrapur- II, Ckt II	20/04/2014	12.12	20/04/2014	15.04	To Attend Chattering Work on LMU Unit.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765/400KV 1500MVA ICT at Tiroda	15/04/2014	00.25		Continued.	H/T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Bus Reactor @ 765KV Akola	19/04/2014	10.36	20/04/2014	19.04	Hand Tripped.
Karad-Kolhapur-II	19/04/2014	16.02	20/04/2014	08.14	Over Voltage.
Bhusawal- Aurangabad	19/04/2014	17.37	20/04/2014	08.00	Over Voltage.
Karad - Kolhapur - I	20/04/2014	16.34	21/04/2014	06.30	Over Voltage.
Bhusawal- Aurangabad	20/04/2014	17.43		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Chikhali - Jalna - II	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand- Koyna Stage IV	19/04/2014	16.57	20/04/2014	07.47	Distance Protection.
Lonikand II-Parli II	20/04/2014	23.14	20/04/2014	23.52	Distance Protection, Tripped @ Parly End.
Voltage Level : 220KV			Outage Type TRIPPED		
Lamboti - Pandharpur	19/04/2014	20.15	20/04/2014	03.30	Distance Protection.
Temghar-Colourchem	20/04/2014	16.21	20/04/2014	18.23	Distance Protection.
Kalwa-Temghar	20/04/2014	16.22	20/04/2014	16.41	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Khamgaon	20/04/2014	13.30	20/04/2014	13.56	Distance Protection Operated Z-I B Ph.
Chikhali - Buldana	20/04/2014	13.30	20/04/2014	13.58	O/C Protection Operated.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2014

Position as on 6.30 Hrs of 21/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Malkapur-Bodwad	20/04/2014	13.38	20/04/2014	14.20	O/C Protection Operated.
Khadka-Malkapur	20/04/2014	13.38	20/04/2014	14.12	Distance Protection Operated Z-I.
Kurdwadi - Paranda	20/04/2014	22.13	20/04/2014	23.03	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	160
	620	320
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	400
Unit 5	500	0
	1420	530
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	155
Unit 6	250	185
Unit 7	250	185
	1130	675
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	160
Unit 4	210	0
Unit 5	500	450
Unit 6	500	400
Unit 7	500	410
	2340	1590
Paras		
Unit 3	250	230
Unit 4	250	250
	500	480
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	210
Unit 5	500	500
	1340	1070
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	210
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	535
WARDHA	405	0
Adani	2640	1356
Other CPPs	300	630
	4545	2521
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5569
	3455	5569