

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Apr/2017 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.602	3076.010	1) Gujrat	0.955	18.921
2) Hydro	27.539	349.091	2) Madhya Pradesh	13.059	220.138
3) Gas	10.635	198.074	3) Chattisgarh	6.300	105.470
Total MSPGCL	174.776	3623.175	4) Maharashtra Net	140.807	2635.288
B) 1) APML	45.399	956.809	5) Goa (Amona)	-0.660	-12.384
2) JSWEL	22.887	417.246	Total	160.461	2967.433
3) VIPL	7.204	210.118	a) Mumbai Schedule	28.292	509.244
4) RPL(AMT)	9.344	444.808	b) Mumbai Drawl	28.878	560.103
5) WPCL	2.655	73.779	c) MSEDCL Bilateral *	45.049	682.369
6) PGPL	0.000	0.000	Include PX	18.933	67.927
7) Other IPP	3.790	74.650	d) Mumbai Bilateral *	28.292	509.244
C) 1) TPCL Thermal	17.502	317.891	Include PX	11.500	122.368
2) TPCL Hydro	4.753	77.118	Include Standby	0.000	0.000
3) TPCL Gas	4.495	90.020	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	12.035	229.042	1) MSEDCL	420.737	8528.379
D) STATE			2) Mumbai Discoms	67.655	1274.177
1) Thermal	257.418	5800.353	TOTAL STATE	488.392	9802.556
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	32.292	426.209			
3) Gas (A3+B6+C3)	15.130	288.094			
4) Wind	21.357	289.346			
6) SOLAR	1.742	31.118			
TOTAL STATE	327.939	6835.120			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6234	5741	5097	5921
MSPGCL Hydro	1467	1281	1364	616
MSPGCL Gas	428	442	445	441
MSPGCL Total Generation	8129	7464	6906	6978
Central Sector Receipt	7828	7737	6558	5860
WIND	585	988	873	1182
CPP / IPP Thermal	3650	3583	4104	3716
CPP / IPP Gas	0	0	0	0
SOLAR	251	157	0	0
Exchange with Mumbai	-1578	-1556	-1212	-740
MSEDCL DEMAND MET	18865	18373	17229	16996
Load Shedding	20	0	0	0
MSEDCL DEMAND	18885	18373	17229	16996
TPCL GENERATION	1264	1297	1309	923
R-INFRA GENERATION	485	498	505	505
MUMBAI DEMAND	3327	3351	3026	2168
STATE DEMAND MET	22192	21724	20255	19164
STATE DEMAND	22212	21724	20255	19164
Frequency (Hz)	49.95	49.92	49.92	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.12 Hz at 18.02 Hrs	49.7 Hz at 22.08 Hrs	49.95	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 20/Apr/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.83	69.19	165	154
Unit 8	7.39	248.11	599	0
Unit 9	13.94	234.82	617	529
Unit 10	0.00	86.59	0	0
Total	25.16	638.71		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.08	80.93	175	170
Unit 4	9.38	191.77	505	350
Unit 5	9.46	192.74	500	350
Total	22.94	465.44		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	6.04	116.78	255	250
Unit 7	5.81	91.83	252	143
Unit 8	1.47	15.06	210	0
Total	13.32	223.66		
Chandrapur				
Unit 3	3.28	87.75	200	0
Unit 4	4.61	93.51	196	186
Unit 5	7.54	173.16	455	0
Unit 6	7.10	198.86	425	0
Unit 7	0.00	0.00	0	0
Unit 8	9.21	171.68	440	325
Unit 9	0.00	147.02	0	0
Total	31.74	871.98		
Paras				
Unit 3	0.00	95.90	0	0
Unit 4	6.00	102.37	256	242
Total	6.00	198.27		
Khaparkheda				
Unit 1	4.34	81.52	185	160
Unit 2	4.32	82.42	190	160
Unit 3	4.79	86.30	200	190
Unit 4	4.46	74.99	189	181
Unit 5	10.04	180.74	500	180
Total	27.95	505.97		
Nasik				
Unit 3	0.00	36.00	0	0
Unit 4	4.81	49.59	206	193
Unit 5	4.70	86.39	203	183
Total	9.50	171.98		
Uran				
All Units	10.64	198.07	462	422
Total	10.64	198.07		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.03	1.41	13	0
Total	0.03	1.41		
Koyna				
Stage 1-2	5.68	103.04	550	40
Stage 4	14.75	131.10	1000	0
Stage 3	4.33	51.91	272	80
Total	24.76	286.04		
Hydro				
KDPH	0.70	11.90	29	29
VTRNA	0.62	10.64	61	0
TILLARI	0.00	2.41	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.26	4.15	80	0
RNGR+BHTSA	0.31	5.53	13	12
BHANDARDRA	0.49	10.07	21	20
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.40	9.57	25	14
GHATGHAR	0.00	8.78	0	0
Total	2.78	63.05		
Wind				
Total	21.36	289.35	0	0
Total	21.36	289.35		
CPP				
APML(Mus)	45.40	956.81	0	0
JSWEL(Mus)	22.89	417.25	0	0
VIPL(Mus)	7.20	210.12	0	0
RPLAMT(Mus)	9.34	444.81	0	0
WPCL(Mus)	2.66	73.78	0	0
Other(Mus)	3.79	74.65	0	0
Total	91.28	2177.41		
SOLAR				
Total	1.74	31.12	0	0
Total	1.74	31.12		
Tata				
Trombay 5	11.62	208.85	490	452
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.90	57.92	122	115
Trombay 7B	1.60	32.10	67	64
Trombay 8	5.89	109.04	248	241
TATA Hydro	4.75	77.12	397	0
Total	26.75	485.03		
R-INFRA				
DTPS U-1&2	12.04	229.04	507	485
Total	12.04	229.04		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	136.60	3076.01	MSPGCL Total	174.78	3623.18
			MSPGCL Thml+Gas	147.24	3274.08	Koyna 1,2 & 4 Total	20.43	234.14
			MSPGCL Hydro	27.54	349.09	State Total	327.94	6835.12

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Apr/2017

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	5815	1642	451	7908	1212	3903	0	0	5971	5889	-1086	17826	0	17826	2731	20557	49.90
2	5826	1507	452	7785	1286	3747	0	0	6064	5841	-960	17699	0	17699	2434	20133	49.96
3	5877	816	462	7155	1329	3706	0	0	6116	5698	-858	17030	0	17030	2284	19314	49.97
4	5921	616	441	6978	1182	3716	0	0	5934	5860	-740	16996	0	16996	2168	19164	49.95
5	5960	744	462	7166	1018	3711	0	0	5884	5975	-726	17144	0	17144	2114	19258	49.96
6	5979	704	441	7124	1083	3724	0	0	6636	6369	-735	17565	0	17565	2156	19721	49.96
7	6057	1043	452	7552	843	3721	0	6	6841	6540	-733	17929	0	17929	2162	20091	49.99
8	6120	587	453	7160	700	3719	0	45	7106	6725	-903	17446	0	17446	2334	19780	50.01
9	6195	571	453	7219	445	3692	0	114	7380	6877	-1089	17258	0	17258	2527	19785	49.99
10	6198	912	445	7555	332	3702	0	163	7344	7057	-1459	17350	5	17355	3020	20375	49.97
11	6218	1354	439	8011	517	3709	0	190	7604	7279	-1616	18090	10	18100	3221	21321	49.94
12	6234	1467	428	8129	585	3650	0	251	7916	7828	-1578	18865	20	18885	3327	22212	49.95
13	6128	1260	423	7811	566	3614	0	251	7979	7447	-1575	18114	0	18114	3310	21424	49.96
14	5806	1096	427	7329	693	3610	0	220	7928	7649	-1549	17952	0	17952	3236	21188	49.98
15	5659	1183	422	7264	802	3564	0	202	8040	7651	-1545	17938	0	17938	3310	21248	49.84
16	5741	1281	442	7464	988	3583	0	157	8019	7737	-1556	18373	0	18373	3351	21724	49.92
17	5733	963	434	7130	1058	3677	0	102	7878	7595	-1595	17967	0	17967	3315	21282	49.98
18	4914	646	443	6003	1296	3790	0	39	7701	7485	-1599	17014	0	17014	3179	20193	49.97
19	5093	361	436	5890	1206	3988	0	2	6661	6310	-1309	16087	0	16087	3039	19126	49.96
20	5097	1364	445	6906	873	4104	0	0	5947	6558	-1212	17229	0	17229	3026	20255	49.92
21	5065	1751	435	7251	807	4133	0	0	5679	6089	-1182	17098	0	17098	2928	20026	49.96
22	5022	1864	445	7331	748	4155	0	0	5564	5840	-1168	16906	0	16906	2855	19761	49.90
23	5008	1896	452	7356	839	4183	0	0	5606	5928	-1041	17265	0	17265	2814	20079	49.89
24	4936	1911	452	7299	949	4178	0	0	6011	6234	-1064	17596	0	17596	2822	20418	49.92
MUs	136.60	27.54	10.64	174.78	21.36	91.28	0.00	1.74	163.81	160.46	-28.88	420.74	0.04	420.77	67.66	488.44	49.95

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Apr/2017

Position as on 6.30 Hrs of 21/Apr/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Chandrapur Unit 7	500	25/01/2017	19.32		Continued.	Turbine Problem, continued under COH	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		Continued.	No PPA	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Koyna STG- IV Unit - 1	250	17/03/2017	10.45	20/04/2017	11.55	Turbine bearing Vabration high	
MSPGCL	Nasik Unit 3	210	09/04/2017	15.50		Continued.	tripped on boiler feed pump problem and continued under zero schedule by MSEDCL	
IPP	VIPL U-1	300	13/04/2017	03.34		Continued.	Boiler Tube Leakage	
IPP	RPL(AMT) U-5	270	15/04/2017	08.59		Continued.	Coal Shortage	
IPP	RPL(AMT) U-4	270	15/04/2017	12.08		Continued.	Coal Shortage	
CPP	SWPGL U-3	135	16/04/2017	00.01		Continued.	Ash Handling Problem.	
MSPGCL	Parli Unit 8	250	16/04/2017	01.05	20/04/2017	14.32	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 9	500	16/04/2017	20.10		Continued.	Air preheater problem.	
MSPGCL	Paras Unit 3	250	17/04/2017	07.12		Continued.	Turbine bearing Vabration high	
IPP	Adani U-1	660	18/04/2017	13.12		Continued.	Due to coal shortage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Apr/2017

Position as on 6.30 Hrs of 21/Apr/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 10	660	19/04/2017	13.10	21/04/2017	00.39	wsdt level high.	
IPP	RPL(AMT) U-3	270	19/04/2017	19.30		Continued.	Coal Shortage	
MSPGCL	Koradi Unit-8	660	20/04/2017	13.34		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 5	500	20/04/2017	17.01	21/04/2017	06.50	Due to Bus Bar Protection Operated.	
MSPGCL	Chandrapur Unit 3	210	20/04/2017	17.01	21/04/2017	02.16	Due to Bus Bar Protection Operated.	
MSPGCL	Chandrapur Unit 6	500	20/04/2017	17.12	21/04/2017	23.45	Drum level low	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2017

Statement-VII

Position as on 6.30 Hrs of 21/Apr/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Koradi-III - Tirora ckt-II	IntraState	20/04/2017	10.21	20/04/2017	19.07	PO	Routine Maintenance Work
400 KV LINE Outages/Trippings							
Kolhapur Solapur (PG) II	InterState	11/04/2017	10.30		Continued.	EO	Taken on TBC to Attend Hot Spot.
Dhule Sar'Sarovar I	InterState	19/04/2017	20.36	20/04/2017	06.59	T	Over Voltage
Chandrapur Bhadravati II	InterState	20/04/2017	17.01	20/04/2017	18.45	T	Main Bus-I Tripped.
Chandrapur Bhadravati III	InterState	20/04/2017	17.01	20/04/2017	18.58	T	Main Bus-I Tripped.
Dhule Sar'Sarovar I	InterState	20/04/2017	20.07		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/04/2017	20.31	20/04/2017	06.41	HT	Over Voltage
Jaigad-New Koyna Ckt-II	IntraState	20/04/2017	08.31	20/04/2017	16.52	PO	Cold Washing & Maint.Work.
Koradi-India Bulls	IntraState	20/04/2017	09.11	20/04/2017	09.12	T	Distance Protection
Chandrapur - Khaperkheda	IntraState	20/04/2017	17.01		Continued.	T	Main Bus-I Tripped.
Padgha-HVDC(AC)-II	IntraState	20/04/2017	17.01	20/04/2017	18.15	T	Main Bus-I Tripped.
Main Bus I @ Chandrapur Sw	IntraState	20/04/2017	17.01	20/04/2017	18.02	T	GT-5 LBB Protection Operated.Gen-3 & 5 Tripped.
Chandrapur II - Chandrapur ckt I	IntraState	20/04/2017	17.01	20/04/2017	18.09	T	Main Bus-I Tripped.
Bhusawal-Aurangabad	IntraState	20/04/2017	20.39		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 KV 500 MVA ICT- II @Warora	IntraState	27/03/2017	12.58		Continued.	PO	Dismantling Work And Will Be Transport At Padgha.
400/220 KV 500MVA ICT II @ Nanded	IntraState	20/04/2017	06.47		Continued.	PO	Routine Maintenance Work
400/220KV 500MVA ICT-I @Nanded	IntraState	20/04/2017	09.54	20/04/2017	11.02	T	Tripped on PRV LTS Operated @ Prabhani.
400/220/33 Kv 315 MVA ICT- 2 @Nagothane	IntraState	20/04/2017	14.35	20/04/2017	20.04	PO	Testing Work
400/220kv 315 Mva ICT III @Karad	IntraState	20/04/2017	16.57		Continued.	PO	Retrofitting of Numerical Bacy Relay & LTS Scheme.
400/220/33 kv 315 MVA ICT-I @Chandrapur	IntraState	20/04/2017	17.01	20/04/2017	18.34	T	Main Bus-I Tripped.
400/220 Kv 315 Mva ICT -I @Padghe	IntraState	21/04/2017	02.30		Continued.	PO	C T Replacement Work.
220 KV LINE Outages/Trippings							
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Loteparshuram- Dasturi Line	IntraState	20/04/2017	05.35	20/04/2017	07.02	T	Distance Protection
Oni Kharepatan Line	IntraState	20/04/2017	08.07	20/04/2017	16.03	PO	Line Maintenance work
Wadkhal-ARCL-2	IntraState	20/04/2017	09.01		Continued.	PO	Testing Work
Ghodbunder MSETCL Boisar line	IntraState	20/04/2017	09.07		Continued.	PO	Stringing of Conductor.
Chandrapur GCR - Cpur Rly Tss 2	IntraState	20/04/2017	09.26	20/04/2017	14.15	PO	Isolattor Maint.Work.
Loteparshuram- Dasturi Line	IntraState	20/04/2017	10.27	20/04/2017	20.21	PO	Outage.
Pusad-Ghatodi	IntraState	20/04/2017	11.30	20/04/2017	20.21	T	In View of 220KV Wardha-Yeotmal U/O
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
132 KV LINE Outages/Trippings							
Seloo - Mahatmasugar	InterState	13/04/2017	09.45	20/04/2017	10.15	T	Distance Protection

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2017

Statement-VII

Position as on 6.30 Hrs of 21/Apr/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kanhan-Pardi	IntraState	19/04/2017	23.53	20/04/2017	03.20	T	Distance Protection
Waghala (Nanded2) - Tamsa	IntraState	20/04/2017	09.54	20/04/2017	10.05	T	Due to Tripping of 400KV Nanded ICT Load Trimming Scheme Operated.
Waghala (Nanded2) - Umri 1	IntraState	20/04/2017	09.54	20/04/2017	10.04	T	Due to Tripping of 400KV Nanded ICT Load Trimming Scheme Operated.
Pbn-Ii - Pathri	IntraState	20/04/2017	09.54	20/04/2017	10.06	T	Due to Tripping of 400KV Nanded ICT Load Trimming Scheme Operated.
Parbhani-Purna	IntraState	20/04/2017	09.54	20/04/2017	10.06	T	Due to Tripping of 400KV Nanded ICT Load Trimming Scheme Operated.
Nanded - Umri II	IntraState	20/04/2017	09.54	20/04/2017	10.10	T	Due to Tripping of 400KV Nanded ICT Load Trimming Scheme Operated.
Pusad-Jambazar	IntraState	20/04/2017	11.27	20/04/2017	20.23	HT	In View of 220KV Wardha- Yeotmal U/O
Beed (220kv) - Beed (132kv)	IntraState	20/04/2017	13.00	20/04/2017	14.20	HT	Due to Heavy Fire Observed in Yard.
Padegaon - Canpack	IntraState	20/04/2017	14.00	20/04/2017	14.28	T	Distance Protection
Padegaon - Canpack	IntraState	20/04/2017	14.38	20/04/2017	16.14	T	Distance Protection

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage