

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Mar/2020 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	149.018	3095.843	1) Gujrat	8.188	147.116
2) Hydro	4.893	184.361	2) Madhya Pradesh	13.647	280.219
3) Gas	6.377	146.874	3) Chattisgarh	6.190	113.460
Total MSPGCL	160.288	3427.078	4) Maharashtra	121.854	2474.551
B) 1) APMIL	70.083	1382.251	5) Goa (Amona)	-0.396	-7.678
2) JSWEL	16.229	326.294	Total	149.483	3007.668
3) VIPL	0.000	0.000	a) Mumbai Schedule	23.234	439.937
4) RPL(AMT)	0.000	64.411	b) Mumbai Drawl	25.182	462.641
5) WPCL	5.286	52.867	c) MSEDCL Bilateral *	31.138	708.959
6) Other IPP	13.963	286.375	Include PX	2.368	108.440
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	23.234	439.937
C) 1) TPCL Thermal	12.509	265.550	Include PX	8.214	130.829
2) TPCL Hydro	5.200	74.651	Standby	0.000	0.000
3) TPCL Gas	1.978	60.830	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.246	197.111	1) MSEDCL	424.041	8504.523
D) STATE			2) Mumbai Discoms	54.115	1060.788
1) Thermal	276.334	5670.702	TOTAL STATE	478.156	9565.311
(A1+C1+C4+(B1-B6))					
2) Hydro	10.093	259.012			
(A2+C2)					
3) Gas	8.355	207.704			
(A3+B7+C3)					
4) Wind	25.578	270.963			
6) SOLAR	8.313	149.257			
TOTAL STATE	328.673	6557.638			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6953	6830	5979	5537
MSPGCL Hydro	211	138	467	120
MSPGCL Gas	266	263	229	287
MSPGCL Total Generation	7430	7231	6675	5944
Central Sector Receipt	7309	7090	5969	5368
WIND	718	866	1312	1055
CPP / IPP Thermal	4747	4747	3817	4597
CPP / IPP Gas	0	0	0	0
SOLAR	1073	1079	0	0
Exchange with Mumbai	-1340	-1330	-1047	-832
MSEDCL DEMAND MET	19937	19683	16726	16132
Load Shedding	0	0	0	0
MSEDCL DEMAND	19937	19683	16726	16132
TPCL GENERATION	1021	990	948	579
AEML GENERATION	374	373	374	374
MUMBAI DEMAND	2735	2693	2369	1785
STATE DEMAND MET	22672	22376	19095	17917
STATE DEMAND	22672	22376	19095	17917
Frequency (Hz)	50.03	50.02	50.05	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 13:02 Hrs	49.81 Hz at 22:08 Hrs	50.02	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/Mar/2020

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	10.99	210.00	570	367
Unit 9	10.85	224.62	548	390
Unit 10	10.60	211.75	500	361
Total	32.44	646.37		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.14	195.74	480	355
Unit 5	9.14	193.86	475	350
Total	18.28	389.59		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.51	73.65	228	136
Unit 7	4.85	62.84	249	187
Unit 8	5.22	106.78	250	202
Total	14.58	243.28		
Chandrapur				
Unit 3	4.25	84.55	190	160
Unit 4	4.07	80.26	180	160
Unit 5	0.00	123.35	0	0
Unit 6	8.67	194.41	396	335
Unit 7	9.75	168.82	458	350
Unit 8	7.14	170.96	490	0
Unit 9	9.39	200.38	425	355
Total	43.27	1022.73		
Paras				
Unit 3	5.39	91.89	250	201
Unit 4	5.20	95.09	252	179
Total	10.59	186.98		
Khaparkheda				
Unit 1	3.98	79.36	180	150
Unit 2	4.10	83.18	190	160
Unit 3	4.14	80.82	200	156
Unit 4	4.19	75.92	200	160
Unit 5	9.46	205.65	450	360
Total	25.87	524.94		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.99	81.95	194	158
Unit 5	0.00	0.00	0	0
Total	3.99	81.95		
Uran				
All Units	6.38	146.87	288	229
Total	6.38	146.87		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.05	1.08	23	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.05	1.08		
Koyna				
Stage 1-2	2.32	56.10	335	40
Stage 4	0.19	55.24	110	0
Stage 3	0.20	24.07	80	0
Total	2.71	135.40		
Hydro				
KDPH	0.43	13.83	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	8.02	0	0
BHTGR/VEER	0.00	0.18	0	0
BHIRA T.R.	0.28	3.55	80	0
RNGR+BHTSA	0.27	6.55	15	0
BHANDARDRA	0.46	6.18	28	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.74	9.15	41	28
GHATGHAR	0.00	1.49	0	0
Total	2.19	48.96		
Wind				
Total	25.58	270.96	0	0
Total	25.58	270.96		
CPP				
APML(Mus)	70.08	1382.25	0	0
JSWEL(Mus)	16.23	326.29	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	64.41	0	0
WPCL(Mus)	5.29	52.87	0	0
Other(Mus)	13.96	286.38	0	0
Total	105.56	2112.20		
SOLAR				
Total	8.31	149.26	0	0
Total	8.31	149.26		
Tata				
Trombay 5	8.10	171.78	481	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.09	36.10	48	0
Trombay 7B	0.89	24.73	41	0
Trombay 8	4.41	93.77	243	172
TATA Hydro	5.20	74.65	446	0
Total	19.69	401.03		
AEML				
DTPS U-1&2	9.25	197.11	502	373
Total	9.25	197.11		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	149.02	3095.84	MSPGCL Total	160.29	3427.08
			MSPGCL Thml+Gas	155.40	3242.72	Koyna 1,2 & 4 Total	2.51	111.34
			MSPGCL Hydro	4.89	184.36	State Total	328.67	6557.64

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Mar/2020

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	5727	119	286	6132	938	4555	0	0	6047	6140	-1097	16668	0	16668	2104	18772	49.99
2	5730	205	278	6213	1002	4621	0	0	5792	5628	-972	16492	0	16492	1946	18438	50.00
3	5694	120	287	6101	1019	4615	0	0	5623	5440	-896	16279	0	16279	1852	18131	50.01
4	5537	120	287	5944	1055	4597	0	0	5579	5368	-832	16132	0	16132	1785	17917	50.01
5	5740	115	288	6143	1051	4599	0	0	5607	5731	-820	16704	0	16704	1773	18477	50.00
6	6027	170	288	6485	889	4583	0	0	6109	6177	-832	17302	0	17302	1830	19132	50.03
7	6415	405	279	7099	819	4646	0	14	6739	6642	-578	18642	0	18642	1914	20556	50.03
8	6677	385	288	7350	525	4652	0	193	6969	6904	-570	19054	0	19054	2042	21096	50.04
9	6929	199	285	7413	405	4616	0	547	6948	6996	-904	19073	0	19073	2294	21367	50.00
10	6837	215	271	7323	431	4615	0	804	7146	7078	-1167	19084	0	19084	2550	21634	49.98
11	6788	183	269	7240	520	4771	0	995	7253	7255	-1326	19455	0	19455	2719	22174	50.05
12	6953	211	266	7430	718	4747	0	1073	7584	7309	-1340	19937	0	19937	2735	22672	50.03
13	6830	138	263	7231	866	4747	0	1079	7298	7090	-1330	19683	0	19683	2693	22376	50.02
14	6581	117	263	6961	1083	4740	0	1074	7182	6778	-1311	19325	0	19325	2537	21862	50.09
15	6430	100	262	6792	1263	4623	0	984	7054	6586	-1262	18986	0	18986	2521	21507	50.01
16	6165	120	272	6557	1610	4290	0	784	7042	6653	-1162	18732	0	18732	2529	21261	49.98
17	6044	162	264	6470	1656	4179	0	539	6313	6248	-1117	17975	0	17975	2480	20455	50.03
18	6032	133	261	6426	1824	4032	0	213	5731	5792	-1197	17090	0	17090	2400	19490	50.03
19	6016	139	244	6399	1419	3818	0	14	5411	5431	-1098	15983	0	15983	2342	18325	50.01
20	5979	467	229	6675	1312	3817	0	0	5548	5969	-1047	16726	0	16726	2369	19095	50.05
21	6030	234	242	6506	1336	3849	0	0	5448	5430	-1000	16121	0	16121	2289	18410	50.05
22	6022	216	231	6469	1299	3786	0	0	5228	5620	-1036	16138	0	16138	2194	18332	50.00
23	5946	355	242	6543	1341	3915	0	0	5365	5628	-1150	16277	0	16277	2140	18417	49.97
24	5889	265	232	6386	1197	4148	0	0	5593	5590	-1138	16183	0	16183	2077	18260	49.99
MUs	149.02	4.89	6.38	160.29	25.58	105.56	0.00	8.31	150.61	149.48	-25.18	424.04	0.00	424.04	54.11	478.16	50.02

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/Mar/2020

Position as on 6.30 Hrs of 21/Mar/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	27/08/2019	09.52		Continued.	Coal Flow Problem Due To Wet Coal.(Converted To Zero Schedule From 12.09.2019 At 10.00 hrs)	
MSPGCL	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule from 18:00hrs of 28/09/2019	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule By MSEDCL	
IPP	RPL(AMT) U-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 13-12-2019)	
IPP	RPL(AMT) U-3	270	11/02/2020	18.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	11/02/2020	19.30		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Nasik Unit 3	210	17/02/2020	00:00		Continued.	C W PUMP High Vibrations(convert to Zero Schedule from 00.00Hrs DT. 18-02-2020)	
MSPGCL	Ghatghar Unit-1	125	18/02/2020	00.25		Continued.	Severe Hunting In Hydro Conduit Across MIV	
IPP	JSW (J) U1	300	01/03/2020	06.10		Continued.	Governor Valve Replacement.	
MSPGCL	Uran Unit 8	108	01/03/2020	20.57		Continued.	Gas shortage	
IPP	RPL(AMT) U-1	270	04/03/2020	19.30		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Ghatghar Unit-2	125	09/03/2020	10:50		Continued.	Expansion joint leakage.	
IPP	RPL(AMT) U-2	270	09/03/2020	20.15		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Chandrapur Unit-8	500	16/03/2020	20.44	20/03/2020	03.57	PA Fan problem	
MSPGCL	Chandrapur Unit 5	500	19/03/2020	20.20		Continued.	Boiler Tube Leakage	
TPC-G	Trombay 7B	60	20/03/2020	22.25	21/03/2020	22.48	Gas shortage	
TPC-G	Trombay 7A	120	20/03/2020	22.50	21/03/2020	18.34	Gas shortage	
MSPGCL	Uran Unit 6	108	21/03/2020	15.15		Continued.	Gas shortage	
MSPGCL	Parli Unit 6	250	21/03/2020	17.31		Continued.	Zero Schedule By MSEDCL	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	20/03/2020	21.58	21/03/2020	01.09	EO	Oil Top-up in converter T/F
400 KV LINE Outages/Trippings							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line Converted As 220 Kv Solapur (PG)- Jeur From LOC 403
Dhule Sar'Sarovar I	InterState	19/03/2020	21.50	20/03/2020	05.45	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	20/03/2020	18.33	21/03/2020	05.55	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/03/2020	21.53	20/03/2020	07.12	HT	Over Voltage
Akola - Bhusawal	IntraState	20/03/2020	07.34	20/03/2020	17.41	PO	Line Maintenance work
N.Koyna-Karad -Ckt II	IntraState	20/03/2020	09.44	21/03/2020	08.57	PO	Annual Maintenance Work(RFC 19.10Hrs)
Girwali- Lonikand 2	IntraState	20/03/2020	10.15	20/03/2020	21.04	EO	String and Corona ring replacement work
Parly(MS)- Nanded ckt II	IntraState	20/03/2020	14.55	20/03/2020	19.15	EO	Attending broken Strands of Conductor
Khadka-Aurangabad (Waluj)	IntraState	20/03/2020	15.42	21/03/2020	07.39	T	Distance Protection
Akola - Bhusawal	IntraState	21/03/2020	08.10	21/03/2020	16.54	PO	Replacement of Faulty String
Padghe - Nagothane - II	IntraState	21/03/2020	09.50	21/03/2020	20.05	PO	Testing Work
Parly(MS)- Nanded ckt I	IntraState	21/03/2020	10.23	21/03/2020	20.36	EO	Attending Broken Conductor Strands
Koradi-Bhusawal	IntraState	21/03/2020	12.54	21/03/2020	20.09	T	Distance Protection
Nagothane - Dabhol-II	IntraState	21/03/2020	13.05	21/03/2020	17.48	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential Protection,Declared Faulty.
400/220/33 Kv 500 Mva Ict 2 @ CHANDRAPUR 2	IntraState	09/03/2020	12.57		Continued.	EO	Testing work (Bushing Tan Delta problem hence kept out.)
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule.
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule.(close at Chikodi end only)
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Borivali - Ghodbunder	IntraState	30/01/2020	12.05		Continued.	PO	Isolation of 220KV Cables on MSETCL Tower NO.240
Lonand-Baramati	IntraState	16/02/2020	09.37		Continued.	PO	Erection of CTT-2 Tower Work For 220Kv Baramati-Lonand & Baramati Jejuri Cables Emanating from 220Kv Baramati S/Stn.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	02/03/2020	11.12		Continued.	PO	Stringing Of New Earth Wire at loc no.112 to 132.
Kandalgaon - Sona Alloys	IntraState	19/03/2020	05.50	20/03/2020	22.18	PO	Tower Erection work
Badnera-Akola I	IntraState	20/03/2020	07.49	20/03/2020	19.35	PO	Erection of MD+9 Tower of 220KV Badnera-Ner Line
Badnera-Akola li	IntraState	20/03/2020	07.50	20/03/2020	19.35	PO	Erection of MD+9 Tower of 220KV Badnera-Ner Line
Deoli(Pgcil)-Badnera	IntraState	20/03/2020	08.22	20/03/2020	19.08	PO	Erection of MD+9 Tower of 220KV Badnera-Ner Line
TPC Borivali Aarey Line 1	IntraState	20/03/2020	09.32	20/03/2020	14.22	PO	Installation of 33KV Gantry at Magathane Borivali Switchyard
Padghe - Jambhul 1	IntraState	20/03/2020	10.02	20/03/2020	16.46	PO	Testing Work
Tambati - Adlabs	IntraState	20/03/2020	11.52	20/03/2020	15.28	PO	R&B Phase CT leakage
Lamboti(solapur)-Karkamb	IntraState	20/03/2020	12.14	20/03/2020	17.36	PO	Insulator String replacement
Deoli(Pgcil)-Badnera	IntraState	21/03/2020	08.16	21/03/2020	19.05	PO	Erection of MD+9 Tower of 220KV Badnera-Ner Line
Badnera-Akola I	IntraState	21/03/2020	08.36	21/03/2020	19.30	PO	Erection of MD+9 Tower of 220KV Badnera-Ner Line
Badnera-Akola li	IntraState	21/03/2020	08.37	21/03/2020	19.31	PO	Erection of MD+9 Tower of 220KV

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/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Badnera-Ner Line
Mahad - Pedambe	IntraState	21/03/2020	14.07	21/03/2020	15.07	PO	Oil Top-Up at pedambe end
Hingoli- Girawali	IntraState	21/03/2020	15.28	21/03/2020	18.21	T	Distance Protection
220 KV ICT Outages/Trippings							
Carnac : 220 / 110 / 33 315 MVA ICT 5	IntraState	14/03/2020	11.00		Continued.	PO	Shifting 220KV Side to New GIS
220/100 Kv 200 MVA ICT IV @Padghe	IntraState	20/03/2020	10.37	20/03/2020	12.46	HT	Air release
220/132 Kv 200MVA ICT II @Dhule	IntraState	21/03/2020	08.54	21/03/2020	15.45	PO	HV and LV Old CT MB replacement work

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