

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Mar/2021 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	165.411	3352.201	1) Gujrat	3.219	54.968
2) Hydro	11.996	363.386	2) Madhya Pradesh	14.282	274.622
3) Gas	3.293	131.683	3) Chattisgarh	2.320	68.960
Total MSPGCL	180.700	3847.270	4) Maharashtra	140.945	2810.150
B) 1) APLM	50.169	1179.474	5) Goa (Amona)	-0.751	-24.484
2) JSWEL	14.066	278.164	Total	160.015	3184.216
3) VIPL	0.000	0.000	a) Mumbai Schedule	25.302	537.541
4) RPL(AMT)	29.296	617.010	b) Mumbai Drawl	25.812	555.326
5) SWPGPL	7.546	169.555	c) MSEDCL Bilateral *	31.930	724.268
6) Other IPP	29.331	435.746	Include PX	2.628	87.066
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	25.302	536.983
C) 1) TPCL Thermal	14.493	169.627	Include PX	9.832	276.659
2) TPCL Hydro	2.333	109.091	Standby	0.000	0.558
3) TPCL Gas	2.636	68.820	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.811	237.219	1) MSEDCL	460.398	9470.673
D) STATE			2) Mumbai Discoms	56.085	1140.084
1) Thermal	321.123	6438.996	TOTAL STATE	516.483	10610.757
(A1+C1+C4+(B1-B6))					
2) Hydro	14.329	472.477			
(A2+C2)					
3) Gas	5.929	200.503			
(A3+B7+C3)					
4) Wind	8.371	157.391			
6) SOLAR	6.716	157.173			
TOTAL STATE	356.468	7426.540			

* 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 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	7093	6997	6521	6230
MSPGCL Hydro	645	891	427	288
MSPGCL Gas	130	130	140	140
MSPGCL Total Generation	7868	8018	7088	6658
Central Sector Receipt	7473	8001	6195	6158
WIND	90	292	421	474
CPP / IPP Thermal	5794	5749	4961	4964
CPP / IPP Gas	0	0	0	0
SOLAR	1042	369	5	0
Exchange with Mumbai	-1145	-1137	-975	-1197
MSEDCL DEMAND MET	21122	21292	17695	17057
Load Shedding	0	0	0	0
MSEDCL DEMAND	21122	21292	17695	17057
TPCL GENERATION	1080	967	1041	594
AEML GENERATION	498	497	497	499
MUMBAI DEMAND	2723	2601	2513	2290
STATE DEMAND MET	23845	23893	20208	19347
STATE DEMAND	23845	23893	20208	19347
Frequency (Hz)	49.98	49.96	49.93	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 13:01 Hrs	49.77 Hz at 18:43 Hrs	50.01	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/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.64	61.07	190	125
Unit 7	3.24	51.52	156	118
Unit 8	11.05	211.91	560	366
Unit 9	10.30	215.42	546	253
Unit 10	9.87	216.50	500	330
Total	38.11	756.42		
Bhusawal				
Unit 3	3.70	81.56	185	120
Unit 4	11.31	200.46	485	450
Unit 5	8.96	230.57	500	0
Total	23.97	512.60		
Parli				
Unit 6	5.32	102.45	250	190
Unit 7	5.40	86.03	249	198
Unit 8	5.49	113.23	250	200
Total	16.20	301.71		
Chandrapur				
Unit 3	3.37	64.83	146	133
Unit 4	0.00	54.66	0	0
Unit 5	10.13	201.37	430	410
Unit 6	10.10	200.30	425	409
Unit 7	0.00	0.00	0	0
Unit 8	11.86	199.72	500	481
Unit 9	10.97	228.19	475	435
Total	46.43	949.08		
Paras				
Unit 3	5.42	102.20	253	185
Unit 4	5.56	60.96	250	198
Total	10.98	163.16		
Khaparkheda				
Unit 1	2.91	61.66	130	115
Unit 2	3.26	74.68	160	130
Unit 3	4.63	92.30	205	185
Unit 4	4.24	86.81	186	140
Unit 5	10.90	211.97	485	410
Total	25.95	527.41		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	69.82	0	0
Unit 5	3.77	71.99	205	124
Total	3.77	141.81		
Uran				
All Units	3.29	131.68	150	123
Total	3.29	131.68		
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)	0.42	3.30	25	0
Total	0.42	3.30		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.85	85.63	280	40
Stage 4	1.41	124.81	437	0
Stage 3	0.87	45.72	80	0
Total	4.12	256.16		
Hydro				
KDPH	0.86	15.02	36	36
VTRNA	0.89	10.34	60	0
TILLARI	0.00	9.03	0	0
BHIRA T.R.	0.20	6.12	40	0
SMLHY_PTN	5.92	35.33	258	209
GHATGHAR	0.00	15.24	0	0
Total	7.87	91.09		
Wind				
Total	8.37	157.39	0	0
Total	8.37	157.39		
CPP				
APML(Mus)	50.17	1179.47	0	0
JSWEL(Mus)	14.07	278.16	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	29.30	617.01	0	0
SWPGPL-Mus	7.55	169.56	0	0
Other(Mus)	29.33	435.75	0	0
Total	130.41	2679.95		
SOLAR				
Total	6.72	157.17	0	0
Total	6.72	157.17		
Tata				
Trombay 5	9.62	59.52	487	276
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.50	41.58	115	50
Trombay 7B	1.14	27.24	67	41
Trombay 8	4.88	110.10	239	137
TATA Hydro	2.33	109.09	249	0
Total	19.46	347.54		
AEML				
DTPS U-1&2	10.81	237.22	499	282
Total	10.81	237.22		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	165.41	3352.20	MSPGCL Total	180.70	3847.27
			MSPGCL Thml+Gas	168.70	3483.88	Koyna 1,2 & 4 Total	3.26	210.44
			MSPGCL Hydro	12.00	363.39	State Total	356.47	7426.54

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Mar/2021

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	7045	520	123	7688	467	5505	0	0	6367	6130	-1291	18499	0	18499	2265	20764	50.01
2	7127	337	150	7614	449	5494	0	0	6385	5643	-1118	18082	0	18082	2109	20191	50.04
3	6986	322	130	7438	438	5264	0	0	6356	6341	-1175	18306	0	18306	1964	20270	50.04
4	7017	313	150	7480	526	5136	0	0	6111	5964	-1090	18016	0	18016	1878	19894	50.03
5	7059	327	140	7526	546	5230	0	0	6123	6023	-1055	18270	0	18270	1846	20116	50.03
6	7283	325	150	7758	521	5595	0	0	6504	6285	-1093	19066	0	19066	1884	20950	50.04
7	7380	347	130	7857	573	5806	0	10	7110	7011	-1025	20232	0	20232	1935	22167	50.02
8	7370	422	150	7942	457	5849	0	146	7335	7345	-860	20879	0	20879	2011	22890	50.07
9	7321	474	140	7935	301	5838	0	427	6897	7077	-990	20588	0	20588	2195	22783	50.06
10	7295	712	130	8137	224	5859	0	689	6910	6787	-1043	20653	0	20653	2466	23119	50.05
11	7232	496	150	7878	159	5837	0	961	7400	7165	-1182	20818	0	20818	2659	23477	50.03
12	7093	645	130	7868	90	5794	0	1042	7756	7473	-1145	21122	0	21122	2723	23845	49.98
13	6972	956	130	8058	73	5692	0	1078	7718	7394	-1146	21149	0	21149	2704	23853	49.98
14	6869	897	130	7896	93	5562	0	1015	7574	7448	-1155	20859	0	20859	2577	23436	50.05
15	6909	702	130	7741	159	5560	0	626	8085	8158	-1162	21082	0	21082	2591	23673	49.93
16	6997	891	130	8018	292	5749	0	369	8024	8001	-1137	21292	0	21292	2601	23893	49.96
17	6954	566	130	7650	385	5673	0	227	7477	6808	-1027	19716	0	19716	2561	22277	49.94
18	6711	411	130	7252	395	5163	0	121	7049	6184	-999	18116	0	18116	2531	20647	49.99
19	6521	427	140	7088	421	4961	0	5	6385	6195	-975	17695	0	17695	2513	20208	49.93
20	6241	476	140	6857	337	5129	0	0	6296	6035	-995	17363	0	17363	2573	19936	49.98
21	6259	381	130	6770	268	5177	0	0	6272	5993	-967	17241	0	17241	2497	19738	50.01
22	6297	387	150	6834	321	4674	0	0	6230	6293	-959	17163	0	17163	2398	19561	49.99
23	6243	374	140	6757	402	4897	0	0	6282	6104	-1026	17134	0	17134	2314	19448	49.99
24	6230	288	140	6658	474	4964	0	0	6331	6158	-1197	17057	0	17057	2290	19347	50.04
MUs	165.41	12.00	3.29	180.70	8.37	130.41	0.00	6.72	164.98	160.02	-25.81	460.40	0.00	460.40	56.09	516.48	50.01

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/2021

Position as on 6.30 Hrs of 21/Mar/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
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	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Nasik Unit 3	210	03/12/2020	06.45		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 21-01-2021).	
MSPGCL	Koyna Unit 11	80	19/01/2021	10.05		Continued.	Tripped on stator earth fault (will not be available till dt.18.04.21)	
IPP	JSW (J) U1	300	01/02/2021	18.00		Continued.	Due to turbine vibration high	
MSPGCL	Chandrapur Unit 7	500	20/02/2021	23.43		Continued.	Generator Earth Fault.	
IPP	Adani U-2	660	04/03/2021	00.10		Continued.	Increase Hydrogen Consumption	
MSPGCL	Chandrapur Unit 4	210	16/03/2021	08.08		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 4	210	18/03/2021	08.37	21/03/2021	00.47	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	20/03/2021	00.03		Continued.	Gas shortage	
MSPGCL	Uran Unit 8	108	20/03/2021	00.05		Continued.	Gas shortage	
IPP	Adani U-5	660	20/03/2021	00.07	20/03/2021	04.55	ID Fan Problem	
IPP	JSW (J) U2	300	20/03/2021	01.00	21/03/2021	19.52	CW DUCT Leakage.	
MSPGCL	Bhusawal Unit 5	500	20/03/2021	18.43	21/03/2021	06.25	Class A protection OPTD.	
MSPGCL	Nasik Unit 4	210	21/03/2021	01.14	21/03/2021	19.39	Low pressure Vaccum.	
MSPGCL	Chandrapur Unit 3	210	21/03/2021	16.12		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2021

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2021

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 - I	IntraState	21/03/2021	02.46	21/03/2021	07.41	T	Distance Protection
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
Akola Aurangabad(PG) I	InterState	18/03/2021	12.13		Continued.	PO	SAMRUDHI MAHAMARG PROJECT WORK.
Akola Aurangabad(PG) II	InterState	18/03/2021	14.34		Continued.	PO	SAMRUDHI MAHAMARG PROJECT WORK.
Dhule Sar'Sarovar II	InterState	20/03/2021	17.33	21/03/2021	07.35	HT	Over Voltage
Dhule Khandwa I	InterState	20/03/2021	20.57	20/03/2021	21.40	T	Distance Protection
Dhule Sar'Sarovar I	InterState	21/03/2021	19.54		Continued.	HT	Over Voltage
BABHALESHWAR - RPL(NASHIK) CKT - 1	IntraState	18/03/2021	15.48		Continued.	EO	Attending Hot Spot
Alkud-Kolhapur(Talandage)	IntraState	20/03/2021	06.45	20/03/2021	10.02	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	20/03/2021	20.36	21/03/2021	09.33	HT	Over Voltage
Kharghar-Talegaon(PG)	IntraState	21/03/2021	08.22	21/03/2021	20.28	PO	Routine Maintenance Work
Deepnagar Waluj 1	IntraState	21/03/2021	14.07	21/03/2021	21.43	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	10/08/2020	09.58		Continued.	PO	Replacement of existing 315 MVA ICT by 3*167 MVA ICT.
400/220/33 Kv 500 Mva ICT III @Aurangabad (Waluj)	IntraState	15/03/2021	12.29		Continued.	PO	New repaired Y phase Unit to be commissioned
400/220/33 Kv 315 Mva Ict 1 @Dhule	IntraState	20/03/2021	16.59	20/03/2021	17.38	T	Tripped on E/F and O/C
500MVA ICT III @ Dhule	IntraState	20/03/2021	16.59	20/03/2021	17.37	T	Tripped on E/F and O/C.
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule(Charge from Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule(Close at Chikodi end only)
ALKUD - MENDHEGIRI CKT - 1	IntraState	07/03/2021	09.18		Continued.	PO	For Erection Of 220Kv M/C Tower In R/O New 'K' Mahakal-Jath Line Near 220KV Mendhigiri-Alkud Line.
Trombay - Mulund	IntraState	17/03/2021	11.18	20/03/2021	14.25	PO	Replacement of conductor in between Loc. No. 56 to 58
220 KV JALKOT - NANDED (KUMBHARGAON) CKT - 2	IntraState	18/03/2021	15.13	20/03/2021	16.15	PO	DC Fail at Jalkot S/S
220 KV JALKOT - NANDED (KUMBHARGAON) CKT - 1	IntraState	18/03/2021	15.14	20/03/2021	16.14	PO	DC Fail at Jalkot S/S
Main Bus-I @ Hinjewadi-II	IntraState	20/03/2021	08.38	20/03/2021	11.20	PO	yearly maintenance work.
Talandge(400)- Mudshingi 2 Line	IntraState	20/03/2021	10.20	20/03/2021	17.41	PO	Replacement of weak insulator strings.
Bus Section @ VSNL	IntraState	20/03/2021	10.52	20/03/2021	13.09	T	To carry out CB CRM & Timing.
Chalishaon -Babhaleshwar	IntraState	20/03/2021	13.28	20/03/2021	14.48	T	Distance Protection
Theur-Jejuri	IntraState	20/03/2021	17.10	20/03/2021	22.53	T	Distance Protection
Boisar Versova Line	IntraState	20/03/2021	17.35	20/03/2021	19.42	T	B-phase E/F,IB-3.8KA,41.6KM rom versova.
Ranjangaon-Fiat 1	IntraState	21/03/2021	08.30	21/03/2021	13.25	PO	CT-Tan delta work
NERUL - SEAWOOD CABLE CKT - 2	IntraState	21/03/2021	11.12	21/03/2021	15.36	HT	Attending Hot Spot
Talegaon (Ambi)-General Motors	IntraState	21/03/2021	11.42	21/03/2021	13.12	PO	Replacement work
Jejuri (400 Kv)-Jejuri ckt-I	IntraState	21/03/2021	12.42	21/03/2021	14.25	PO	Attending Hot Spot
Vita Alkud	IntraState	21/03/2021	12.45	21/03/2021	17.53	HT	Load Management

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/2021

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Ranjangaon-Fiat 2	IntraState	21/03/2021	14.30	21/03/2021	16.45	PO	CT-Tan delta work
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT I @Apta	IntraState	17/03/2021	15.17	20/03/2021	18.35	EO	Replacement of Faulty Differential relay
220/132kv 100mva Ptr 2 @Kharepatan	IntraState	20/03/2021	08.28	20/03/2021	18.28	PO	ICT painting work.
220/132 Kv 200 Mva Vijai Ict 1 @Eklahre (Gcr)	IntraState	20/03/2021	10.28	20/03/2021	17.00	PO	CTR maintenance work.
220/132kv 100mva Ptr 2 @Kharepatan	IntraState	21/03/2021	09.14	21/03/2021	18.19	PO	ICT Painting work