

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Mar/2020 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	155.039	3250.882	1) Gujrat	7.804	154.920
2) Hydro	5.543	189.904	2) Madhya Pradesh	12.845	293.064
3) Gas	4.658	151.532	3) Chattisgarh	6.010	119.470
Total MSPGCL	165.240	3592.318	4) Maharashtra	120.461	2595.012
B) 1) APML	73.633	1455.884	5) Goa (Amona)	-0.330	-8.008
2) JSWEL	16.483	342.777	Total	146.790	3154.458
3) VIPL	0.000	0.000	a) Mumbai Schedule	20.397	460.334
4) RPL(AMT)	0.000	64.411	b) Mumbai Drawl	22.152	484.793
5) WPCL	5.343	58.210	c) MSEDCL Bilateral *	34.732	743.691
6) Other IPP	13.566	299.941	Include PX	4.472	112.913
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	20.397	460.334
C) 1) TPCL Thermal	12.519	278.069	Include PX	5.282	136.111
2) TPCL Hydro	2.317	76.968	Standby	0.000	0.000
3) TPCL Gas	0.584	61.414	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.178	206.289	1) MSEDCL	420.461	8924.984
D) STATE			2) Mumbai Discoms	46.750	1107.538
1) Thermal	285.761	5956.463	TOTAL STATE	467.211	10032.522
(A1+C1+C4+(B1-B6))					
2) Hydro	7.860	266.872			
(A2+C2)					
3) Gas	5.242	212.946			
(A3+B7+C3)					
4) Wind	13.068	284.031			
6) SOLAR	8.490	157.747			
TOTAL STATE	320.421	6878.059			

* 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	6645	6660	6293	5936
MSPGCL Hydro	265	236	294	158
MSPGCL Gas	226	236	124	233
MSPGCL Total Generation	7136	7132	6711	6327
Central Sector Receipt	7623	7326	5710	5630
WIND	319	893	399	782
CPP / IPP Thermal	4778	4750	4613	4072
CPP / IPP Gas	0	0	0	0
SOLAR	1111	1119	0	0
Exchange with Mumbai	-1133	-1135	-939	-819
MSEDCL DEMAND MET	19834	20085	16494	15992
Load Shedding	0	0	0	0
MSEDCL DEMAND	19834	20085	16494	15992
TPCL GENERATION	669	625	727	492
AEML GENERATION	373	374	373	373
MUMBAI DEMAND	2175	2134	2039	1684
STATE DEMAND MET	22009	22219	18533	17676
STATE DEMAND	22009	22219	18533	17676
Frequency (Hz)	50.02	50.04	50.01	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 06.03 Hrs	49.82 Hz at 21.13 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 21/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	12.08	222.07	550	440
Unit 9	8.87	233.49	400	355
Unit 10	11.49	223.24	501	420
Total	32.43	678.80		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.34	205.07	500	355
Unit 5	9.32	203.17	500	360
Total	18.65	408.24		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	3.61	77.26	245	0
Unit 7	4.87	67.72	248	187
Unit 8	5.06	111.85	250	198
Total	13.54	256.82		
Chandrapur				
Unit 3	4.35	88.90	191	163
Unit 4	4.11	84.37	178	160
Unit 5	0.00	123.35	0	0
Unit 6	9.82	204.24	455	360
Unit 7	9.84	178.66	435	363
Unit 8	10.77	181.73	490	360
Unit 9	9.90	210.28	450	365
Total	48.79	1071.52		
Paras				
Unit 3	5.82	97.70	256	190
Unit 4	5.83	100.92	258	200
Total	11.65	198.63		
Khaparkheda				
Unit 1	3.32	82.68	160	110
Unit 2	4.04	87.22	185	160
Unit 3	4.15	84.98	200	158
Unit 4	4.07	79.99	186	160
Unit 5	10.43	216.08	490	360
Total	26.01	550.95		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.97	85.92	191	158
Unit 5	0.00	0.00	0	0
Total	3.97	85.92		
Uran				
All Units	4.66	151.53	243	121
Total	4.66	151.53		
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)	0.00	1.08	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	1.08		
Koyna				
Stage 1-2	2.02	58.12	350	40
Stage 4	0.00	55.24	0	0
Stage 3	0.84	24.90	80	0
Total	2.85	138.26		
Hydro				
KDPH	0.69	14.53	36	18
VTRNA	0.00	0.00	0	0
TILLARI	0.18	8.20	60	0
BHTGR/VEER	0.09	0.27	4	3
BHIRA T.R.	0.16	3.71	80	0
RNGR+BHTSA	0.35	6.90	15	14
BHANDARDRA	0.46	6.64	30	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.76	9.91	42	29
GHATGHAR	0.00	1.49	0	0
Total	2.69	51.65		
Wind				
Total	13.07	284.03	0	0
Total	13.07	284.03		
CPP				
APML(Mus)	73.63	1455.88	0	0
JSWEL(Mus)	16.48	342.78	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	64.41	0	0
WPCL(Mus)	5.34	58.21	0	0
Other(Mus)	13.57	299.94	0	0
Total	109.02	2221.22		
SOLAR				
Total	8.49	157.75	0	0
Total	8.49	157.75		
Tata				
Trombay 5	8.07	179.85	477	269
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.55	36.64	110	0
Trombay 7B	0.04	24.77	37	0
Trombay 8	4.45	98.22	242	173
TATA Hydro	2.32	76.97	208	0
Total	15.42	416.45		
AEML				
DTPS U-1&2	9.18	206.29	502	372
Total	9.18	206.29		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	155.04	3250.88	MSPGCL Total	165.24	3592.32
			MSPGCL Thml+Gas	159.70	3402.41	Koyna 1,2 & 4 Total	2.02	113.35
			MSPGCL Hydro	5.54	189.90	State Total	320.42	6878.06

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Mar/2020

Annexure-2

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	5910	137	242	6289	1011	4191	0	0	5798	5834	-1142	16183	0	16183	2060	18243	50.04
2	5937	197	231	6365	982	4199	0	0	5629	5572	-938	16180	0	16180	1835	18015	49.97
3	5932	138	242	6312	827	4128	0	0	5736	5620	-859	16028	0	16028	1738	17766	49.98
4	5936	158	233	6327	782	4072	0	0	5516	5630	-819	15992	0	15992	1684	17676	50.01
5	6262	123	243	6628	719	4210	0	0	5675	5764	-804	16517	0	16517	1669	18186	50.04
6	6823	123	232	7178	666	4473	0	0	5877	6039	-855	17501	0	17501	1723	19224	50.04
7	7078	143	241	7462	481	4689	0	11	6598	6376	-614	18405	0	18405	1675	20080	50.07
8	7055	329	232	7616	424	4645	0	202	6673	6848	-546	19189	0	19189	1814	21003	50.04
9	7053	203	241	7497	329	4640	0	543	6488	6725	-717	19017	0	19017	1962	20979	50.03
10	7046	231	231	7508	345	4636	0	835	6772	6633	-829	19128	0	19128	2101	21229	50.04
11	6846	169	240	7255	324	4777	0	984	7140	6853	-1039	19154	0	19154	2186	21340	50.02
12	6645	265	226	7136	319	4778	0	1111	7640	7623	-1133	19834	0	19834	2175	22009	50.02
13	6660	236	236	7132	893	4750	0	1119	7571	7326	-1135	20085	0	20085	2134	22219	50.04
14	6581	174	226	6981	461	4705	0	1108	7079	6808	-1043	19020	0	19020	2032	21052	50.08
15	6566	138	223	6927	660	4743	0	1024	6830	6818	-983	19189	0	19189	1985	21174	50.00
16	6537	251	141	6929	551	4643	0	818	6699	6588	-964	18565	0	18565	1971	20536	50.01
17	6518	413	121	7052	449	4590	0	512	6140	6250	-922	17931	0	17931	1948	19879	50.00
18	6369	548	122	7039	351	4573	0	209	5602	5585	-905	16852	0	16852	1934	18786	50.04
19	6256	337	122	6715	319	4603	0	14	5442	5337	-952	16036	0	16036	1960	17996	50.02
20	6293	294	124	6711	399	4613	0	0	5472	5710	-939	16494	0	16494	2039	18533	50.01
21	6185	279	134	6598	393	4597	0	0	5249	5045	-969	15664	0	15664	2074	17738	50.00
22	6047	260	124	6431	411	4477	0	0	5207	5276	-994	15601	0	15601	2046	17647	49.97
23	6203	238	125	6566	434	4613	0	0	5179	5312	-1032	15893	0	15893	2021	17914	49.98
24	6301	159	126	6586	538	4680	0	0	5344	5218	-1019	16003	0	16003	1984	17987	50.06
MUs	155.04	5.54	4.66	165.24	13.07	109.03	0.00	8.49	147.36	146.79	-22.15	420.46	0.00	420.46	46.75	467.21	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 21/Mar/2020

Position as on 6.30 Hrs of 22/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 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	
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 5	500	19/03/2020	20.20	22/03/2020	05.01	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	
MSPGCL	Parli Unit 7	250	22/03/2020	10.45		Continued.	Zero Schedule. (R S D FROM 10:45 TO 16:00 Hrs.)	
MSPGCL	Bhusawal Unit 4	500	22/03/2020	18.30		Continued.	Zero Schedule.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 22/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 II	InterState	20/03/2020	18.33	21/03/2020	05.55	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	22/03/2020	13.26		Continued.	HT	Over Voltage
N.Koyna-Karad -Ckt II	IntraState	20/03/2020	09.44	21/03/2020	08.57	PO	Annual Maintenance Work(RFC 19.10Hrs)
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
Bhusawal-Aurangabad	IntraState	22/03/2020	00.19		Continued.	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	22/03/2020	08.19		Continued.	T	Over Voltage
Koradi-Bhusawal	IntraState	22/03/2020	12.54		Continued.	T	Distance Protection
Padghe - Kalwa-II	IntraState	22/03/2020	16.57		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	22/03/2020	18:12		Continued.	HT	Over Voltage
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.)
400/220 Kv 500 MVA ICT-IV @Kalwa	IntraState	22/03/2020	10.13		Continued.	HT	Hand tripped from LV end to control Over Voltage.
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.
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 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
REL Borivali Aarey Line	IntraState	22/03/2020	04.25	22/03/2020	04.54	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
220/132 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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 22/Mar/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/132 Kv 200 Mva Emco Ict 2 @Raymond (Nasik 2)	IntraState	22/03/2020	15.13	22/03/2020	21.37	T	Y Phases LA burst.
220/100 Kv 200 MVA ICT IV @Padghe	IntraState	22/03/2020	18.48		Continued.	HT	Abnormal sound observed.