

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Mar/2020 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	143.403	3394.285	1) Gujrat	5.360	160.280
2) Hydro	5.018	194.922	2) Madhya Pradesh	9.620	302.684
3) Gas	3.032	154.564	3) Chattisgarh	4.310	123.780
Total MSPGCL	151.453	3743.771	4) Maharashtra	90.010	2685.022
B) 1) APLM	61.239	1517.123	5) Goa (Amona)	-0.462	-8.470
2) JSWEL	15.113	357.890	Total	108.838	3263.296
3) VIPL	0.000	0.000	a) Mumbai Schedule	17.156	477.490
4) RPL(AMT)	0.000	64.411	b) Mumbai Drawl	17.482	502.275
5) WPCL	5.498	63.708	c) MSEDCL Bilateral *	31.828	775.519
6) Other IPP	12.095	312.036	Include PX	4.575	117.487
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	17.156	477.490
C) 1) TPCL Thermal	10.914	288.983	Include PX	3.100	139.211
2) TPCL Hydro	1.258	78.226	Standby	0.000	0.000
3) TPCL Gas	3.109	64.523	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.966	215.255	1) MSEDCL	353.845	9278.829
D) STATE			2) Mumbai Discoms	41.729	1149.267
1) Thermal	257.228	6213.691	TOTAL STATE	395.574	10428.096
(A1+C1+C4+(B1-B6))					
2) Hydro	6.276	273.148			
(A2+C2)					
3) Gas	6.141	219.087			
(A3+B7+C3)					
4) Wind	8.994	293.025			
6) SOLAR	8.097	165.844			
TOTAL STATE	286.736	7164.795			

* 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 23 Hrs
MSPGCL Thermal	6000	6010	5607	5548
MSPGCL Hydro	688	217	205	142
MSPGCL Gas	119	119	132	134
MSPGCL Total Generation	6807	6346	5944	5824
Central Sector Receipt	4818	5106	3865	3989
WIND	213	171	413	518
CPP / IPP Thermal	3660	3648	3685	3625
CPP / IPP Gas	0	0	0	0
SOLAR	1113	1123	0	0
Exchange with Mumbai	-735	-743	-687	-805
MSEDCL DEMAND MET	15876	15651	13220	13151
Load Shedding	0	0	0	0
MSEDCL DEMAND	15876	15651	13220	13151
TPCL GENERATION	625	626	766	731
AEML GENERATION	373	373	375	373
MUMBAI DEMAND	1733	1742	1828	1909
STATE DEMAND MET	17609	17393	15048	15060
STATE DEMAND	17609	17393	15048	15060
Frequency (Hz)	49.98	49.97	49.99	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 06.02 Hrs	49.7 Hz at 22.08 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 22/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	11.29	233.36	541	377
Unit 9	10.51	244.00	467	370
Unit 10	10.92	234.16	520	359
Total	32.72	711.52		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	6.61	211.68	360	0
Unit 5	8.64	211.81	360	360
Total	15.25	423.49		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	77.26	0	0
Unit 7	2.09	69.80	199	0
Unit 8	4.94	116.78	210	200
Total	7.02	263.85		
Chandrapur				
Unit 3	4.00	92.90	191	163
Unit 4	3.91	88.28	175	160
Unit 5	5.98	129.33	380	0
Unit 6	8.84	213.07	440	350
Unit 7	8.85	187.51	400	356
Unit 8	9.34	191.07	450	360
Unit 9	9.09	219.36	430	360
Total	50.00	1121.52		
Paras				
Unit 3	5.07	102.77	260	187
Unit 4	5.08	106.00	250	193
Total	10.15	208.78		
Khaparkheda				
Unit 1	3.78	86.46	165	145
Unit 2	3.84	91.06	160	160
Unit 3	3.82	88.80	170	158
Unit 4	3.88	83.88	165	160
Unit 5	8.98	225.06	450	360
Total	24.30	575.25		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.95	89.87	172	159
Unit 5	0.00	0.00	0	0
Total	3.95	89.87		
Uran				
All Units	3.03	154.56	138	110
Total	3.03	154.56		
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)	0.03	1.12	27	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.03	1.12		
Koyna				
Stage 1-2	2.16	60.27	470	40
Stage 4	0.00	55.24	0	0
Stage 3	0.00	24.90	0	0
Total	2.16	140.41		
Hydro				
KDPH	0.86	15.39	36	36
VTRNA	0.00	0.00	0	0
TILLARI	0.24	8.44	60	0
BHTGR/VEER	0.09	0.36	4	3
BHIRA T.R.	0.11	3.82	57	0
RNGR+BHTSA	0.35	7.24	15	14
BHANDARDRA	0.46	7.10	29	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.75	10.66	42	28
GHATGHAR	0.00	1.49	0	0
Total	2.86	54.51		
Wind				
Total	8.99	293.02	0	0
Total	8.99	293.02		
CPP				
APML(Mus)	61.24	1517.12	0	0
JSWEL(Mus)	15.11	357.89	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	64.41	0	0
WPCL(Mus)	5.50	63.71	0	0
Other(Mus)	12.10	312.04	0	0
Total	93.94	2315.17		
SOLAR				
Total	8.10	165.84	0	0
Total	8.10	165.84		
Tata				
Trombay 5	6.74	186.59	292	268
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.84	38.48	115	56
Trombay 7B	1.27	26.04	67	45
Trombay 8	4.17	102.39	176	172
TATA Hydro	1.26	78.23	179	2
Total	15.28	431.73		
AEML				
DTPS U-1&2	8.97	215.26	375	372
Total	8.97	215.26		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	143.40	3394.28	MSPGCL Total	151.45	3743.77
			MSPGCL Thml+Gas	146.44	3548.85	Koyna 1,2 & 4 Total	2.16	115.51
			MSPGCL Hydro	5.02	194.92	State Total	286.74	7164.80

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/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	6155	154	135	6444	515	4474	0	0	5352	5213	-856	15790	0	15790	1873	17663	49.93
2	6095	144	126	6365	449	4441	0	0	5222	5271	-760	15766	0	15766	1785	17551	49.98
3	6111	144	126	6381	467	4446	0	0	5169	4800	-730	15364	0	15364	1731	17095	50.05
4	6116	144	137	6397	535	4403	0	0	5126	4858	-667	15526	0	15526	1646	17172	50.03
5	6122	144	127	6393	525	4375	0	0	5116	4938	-663	15568	0	15568	1641	17209	50.04
6	6301	139	137	6577	483	4370	0	0	5427	5400	-693	16137	0	16137	1662	17799	50.07
7	6567	157	128	6852	434	4522	0	10	6087	5149	-722	16245	0	16245	1664	17909	50.11
8	6264	174	138	6576	332	4438	0	198	5840	4776	-749	15571	0	15571	1691	17262	50.10
9	6036	204	125	6365	294	3733	0	527	5347	5101	-720	15300	0	15300	1678	16978	50.05
10	6077	230	134	6441	400	3558	0	801	5165	4404	-725	14879	0	14879	1682	16561	50.03
11	6161	241	122	6524	304	3648	0	991	4341	4395	-735	15127	0	15127	1710	16837	50.02
12	6000	688	119	6807	213	3660	0	1113	4574	4818	-735	15876	0	15876	1733	17609	49.98
13	6010	217	119	6346	171	3648	0	1123	5244	5106	-743	15651	0	15651	1742	17393	49.97
14	5970	233	119	6322	154	3657	0	947	4625	4850	-723	15207	0	15207	1718	16925	50.06
15	5935	146	130	6211	164	3670	0	947	4538	4791	-705	15078	0	15078	1698	16776	50.05
16	5918	136	120	6174	199	3660	0	750	4665	4562	-663	14682	0	14682	1656	16338	49.98
17	5924	301	110	6335	269	3647	0	491	4033	4065	-651	14156	0	14156	1646	15802	50.01
18	5956	135	121	6212	345	3677	0	187	4252	3903	-677	13647	0	13647	1656	15303	50.06
19	5737	155	122	6014	414	3691	0	12	3602	3570	-703	12998	0	12998	1709	14707	49.95
20	5607	205	132	5944	413	3685	0	0	3984	3865	-687	13220	0	13220	1828	15048	49.99
21	5613	155	123	5891	350	3652	0	0	3791	3404	-766	12531	0	12531	1894	14425	49.96
22	5633	285	123	6041	439	3634	0	0	3567	3531	-730	12915	0	12915	1872	14787	49.94
23	5548	142	134	5824	518	3625	0	0	3784	3989	-805	13151	0	13151	1909	15060	49.99
24	5547	345	125	6017	607	3631	0	0	3897	4079	-874	13460	0	13460	1905	15365	49.98
MUs	143.40	5.02	3.03	151.45	8.99	93.94	0.00	8.10	112.75	108.84	-17.48	353.85	0.00	353.85	41.73	395.57	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 22/Mar/2020

Position as on 6.30 Hrs of 23/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	
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.	
MSPGCL	Bhusawal Unit 5	500	23/03/2020	01.13		Continued.	Zero schedule.	
MSPGCL	Chandrapur Unit 5	500	23/03/2020	14.56	23/03/2020	19.04	Boiler feed pump trip.	
MSPGCL	Parli Unit 8	250	23/03/2020	18.00		Continued.	Zero Schedule.	
IPP	Adani U-4	660	23/03/2020	18.27		Continued.	HOT PA bellow leakage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 22/Mar/2020

Position as on 6.30 Hrs of 23/Mar/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 6	500	23/03/2020	21.59		Continued.	Clinker Removal Work.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 23/Mar/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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	22/03/2020	13.26	23/03/2020	06:45	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	23/03/2020	17.19		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/03/2020	00.19	23/03/2020	09.46	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	22/03/2020	08.19		Continued.	T	Over Voltage
Koradi-Bhusawal	IntraState	22/03/2020	12.54	23/03/2020	06:29	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	23/03/2020	09:29	HT	Over Voltage
Koradi-Bhusawal	IntraState	23/03/2020	11.54		Continued.	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.)
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.
REL Borivali Aarey Line	IntraState	22/03/2020	04.25	22/03/2020	04.54	T	Distance Protection
New Koyana - Pedambe	IntraState	23/03/2020	08.35	23/03/2020	14.28	PO	Replacement of jumper from R Ph CT to Line side Isolator.
Loteparshuram- Dasturi Line	IntraState	23/03/2020	10.17	23/03/2020	13.03	PO	Outage for attending hot spot of B-phase Line isolator palm at CB side of said Line.
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 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.

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