

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Mar/2022 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	169.979	3128.388	1) Gujrat	-4.508	-123.209
2) Hydro	16.098	431.983	2) Madhya Pradesh	6.448	188.797
3) Gas	6.857	80.909	3) Chattisgarh	4.030	105.880
Total MSPGCL	192.934	3641.280	4) Maharashtra	169.918	3325.202
B) 1) APML	75.813	1454.629	5) Goa (Amona)	-1.242	-25.396
2) JSWEL	15.749	391.229	Total	174.646	3471.274
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.401	569.196
4) RPL(AMT)	25.741	505.713	b) Mumbai Drawl	28.146	616.361
5) SWPGPL	6.340	118.385	c) MSEDCL Bilateral *	94.669	1972.451
6) Other IPP	36.531	782.441	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.401	569.063
C) 1) TPCL Thermal	12.069	259.094	Include PX	0.000	5.604
2) TPCL Hydro	1.803	93.052	Standby	0.000	0.133
3) TPCL Gas	4.163	30.207	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.237	181.041	1) MSEDCL	516.777	9930.274
D) STATE			2) Mumbai Discoms	56.418	1179.754
1) Thermal	352.459	6820.920	3) Other Discoms	8.294	174.189
(A1+C1+C4+(B1-B6))			TOTAL STATE	581.489	11284.217
2) Hydro	17.901	525.035			
(A2+C2)					
3) Gas	11.020	111.116			
(A3+B7+C3)					
4) Wind	18.130	197.974			
6) SOLAR	7.333	157.899			
TOTAL STATE	406.843	7812.944			

* 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 23 Hrs
MSPGCL Thermal	7095	7115	7260	6694
MSPGCL Hydro	478	1155	420	777
MSPGCL Gas	289	276	268	289
MSPGCL Total Generation	7862	8546	7948	7760
Central Sector Receipt	8948	8600	6286	5989
WIND	297	354	979	1223
CPP / IPP Thermal	6599	6588	6784	6823
CPP / IPP Gas	0	0	0	0
SOLAR	1155	573	0	0
Exchange with Mumbai	-1114	-1303	-1100	-1137
MSEDCL DEMAND MET	23402	22990	20513	20316
Load Shedding	0	0	0	0
MSEDCL DEMAND	23402	22990	20513	20316
TPCL GENERATION	849	738	869	991
AEML GENERATION	500	401	495	366
MUMBAI DEMAND	2463	2442	2464	2494
OTHER DISCOM DEMAND	345	368	384	342
STATE DEMAND MET	26210	25800	23361	23152
STATE DEMAND	26210	25800	23361	23152
Frequency (Hz)	49.99	49.96	49.91	48.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.16 Hz at 18:02 Hrs	49.71 Hz at 19:11 Hrs	49.89	0 % of Time(min)

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

Daily and Progressive Generation,Maximum,Minimum for 20/Mar/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.83	82.24	165	140
Unit 7	0.00	0.00	0	0
Unit 8	14.44	273.40	602	601
Unit 9	12.05	263.34	589	0
Unit 10	10.42	203.57	483	386
Total	40.74	822.55		
Bhusawal				
Unit 3	1.02	44.63	160	0
Unit 4	10.32	183.79	460	400
Unit 5	9.03	50.54	450	43
Total	20.37	278.97		
Parli				
Unit 6	4.84	91.05	240	150
Unit 7	0.00	66.38	0	0
Unit 8	3.64	67.12	173	144
Total	8.48	224.55		
Chandrapur				
Unit 3	4.27	53.80	187	130
Unit 4	3.90	78.67	171	146
Unit 5	8.67	151.99	375	310
Unit 6	9.64	104.81	445	365
Unit 7	9.45	178.42	424	355
Unit 8	10.72	165.64	462	411
Unit 9	10.10	206.56	441	398
Total	56.75	939.90		
Paras				
Unit 3	4.78	104.97	218	160
Unit 4	4.84	103.46	216	157
Total	9.62	208.42		
Khaparkheda				
Unit 1	3.46	68.20	150	125
Unit 2	3.72	71.05	160	140
Unit 3	4.20	70.74	191	158
Unit 4	4.11	81.08	188	137
Unit 5	11.22	213.91	480	455
Total	26.71	504.98		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.08	81.40	195	127
Unit 5	3.22	67.61	155	118
Total	7.31	149.01		
Uran				
All Units	6.86	80.91	300	267
Total	6.86	80.91		
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)	0.04	3.27	35	0
Total	0.04	3.27		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	4.30	96.30	500	40
Stage 4	2.53	140.95	495	0
Stage 3	1.49	50.68	138	0
Total	8.32	287.93		
Hydro				
KDPH	0.43	12.96	18	18
VTRNA	0.53	1.16	60	0
TILLARI	0.00	1.91	0	0
BHIRA T.R.	0.18	5.42	43	0
SMLHY_PTN	6.59	119.33	283	258
GHATGHAR	0.00	0.00	0	0
Total	7.73	140.78		
Wind				
Total	18.13	197.97	0	0
Total	18.13	197.97		
CPP				
APML(Mus)	75.81	1454.63	0	0
JSWEL(Mus)	15.75	391.23	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.74	505.71	0	0
SWPGPL-Mus	6.34	118.38	0	0
Other(Mus)	36.53	782.44	0	0
Total	160.17	3252.40		
SOLAR				
Total	7.33	157.90	0	0
Total	7.33	157.90		
Tata				
Trombay 5	7.68	173.51	367	270
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.61	17.97	116	76
Trombay 7B	1.56	12.23	67	55
TATA Hydro	1.80	93.05	275	0
Trombay 8	4.39	85.58	241	132
Total	18.04	382.35		
AEMIL				
DTPS U-1&2	10.24	181.04	501	318
Total	10.24	181.04		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	169.98	3128.39	MSPGCL Total	192.93	3641.28
			MSPGCL Thml+Gas	176.84	3209.30	Koyna 1,2 & 4 Total	6.83	237.25
			MSPGCL Hydro	16.10	431.98	State Total	406.84	7812.94

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Mar/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	7020	793	291	8104	1556	6780	0	0	6970	7009	-1523	21599	0	21599	2540	327	24466	49.90
2	7133	785	290	8208	1342	6736	0	0	7228	7052	-1413	21644	0	21644	2375	281	24300	49.92
3	7271	629	300	8200	1219	6692	0	0	7237	7189	-1342	21679	0	21679	2238	279	24196	50.01
4	7228	342	291	7861	1012	6653	0	0	7433	7339	-1258	21329	0	21329	2156	278	23763	49.99
5	7256	744	280	8280	933	6695	0	0	7250	7493	-1189	21920	0	21920	2095	292	24307	50.00
6	7355	1287	290	8932	890	6713	0	0	6974	7201	-1120	22292	0	22292	2124	324	24740	50.01
7	7392	799	291	8482	767	6772	0	18	7616	7128	-1040	21782	0	21782	2112	345	24239	50.01
8	7322	666	289	8277	587	6759	0	152	7602	7126	-1031	21491	0	21491	2112	379	23982	50.02
9	6926	437	300	7663	416	6394	0	407	7653	7409	-910	20994	0	20994	2191	385	23570	50.01
10	7024	424	280	7728	321	6464	0	763	7991	8047	-960	21983	0	21983	2291	380	24654	50.00
11	6963	573	289	7825	332	6412	0	961	8714	8790	-1069	22888	0	22888	2403	363	25654	49.99
12	7095	478	289	7862	297	6599	0	1155	9171	8948	-1114	23402	0	23402	2463	345	26210	49.99
13	7073	513	277	7863	238	6592	0	1106	8936	8512	-1121	22835	0	22835	2470	355	25660	49.95
14	6890	700	267	7857	280	6562	0	966	8413	8530	-1086	22764	0	22764	2425	345	25534	50.00
15	7060	917	296	8273	283	6585	0	797	8480	8481	-1144	22924	0	22924	2441	351	25716	49.98
16	7115	1155	276	8546	354	6588	0	573	8545	8600	-1303	22990	0	22990	2442	368	25800	49.96
17	7146	667	277	8090	311	6692	0	303	8330	7576	-1283	21314	0	21314	2414	375	24103	49.98
18	7227	475	277	7979	421	6689	0	125	7393	6771	-1206	20409	0	20409	2326	370	23105	49.97
19	7145	443	289	7877	730	6707	0	7	6541	6041	-1243	19741	0	19741	2343	378	22462	49.95
20	7260	420	268	7948	979	6784	0	0	6377	6286	-1100	20513	0	20513	2464	384	23361	49.91
21	6789	523	300	7612	1161	6783	0	0	5829	5737	-1238	19691	0	19691	2489	364	22544	50.00
22	6867	514	290	7671	1326	6791	0	0	5437	5510	-1137	19813	0	19813	2486	348	22647	49.97
23	6694	777	289	7760	1223	6823	0	0	5706	5989	-1137	20316	0	20316	2494	342	23152	48.89
24	6728	1037	271	8036	1152	6909	0	0	5883	5882	-1179	20466	0	20466	2524	334	23324	48.89
MUs	169.98	16.10	6.86	192.93	18.13	160.17	0.00	7.33	177.71	174.65	-28.15	516.78	0.00	516.78	56.42	8.29	581.49	49.89

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/2022

Position as on 6.30 Hrs of 21/Mar/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Nasik Unit 3	210	26/01/2022	20:26		Continued.	Annual Overhaul	
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 (NO PPA)	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
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. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Ghatghar Unit-1	125	17/02/2022	21:55		Continued.	SFC HEAVY FAULT	
IPP	SWPGPL U-4	135	25/02/2022	16:47		Continued.	Turbine Vibration	
IPP	RPL(AMT) U-1	270	07/03/2022	02:39		Continued.	Generator Protection operated. (from 15/03/2022 due to coal shortage)	
MSPGCL	Ghatghar Unit-2	125	11/03/2022	01:25		Continued.	TRIPPED ON SFC HEAVY FAULT WHILE TAKING ON PUMPING MODE.(PUMPING TRIAL CARRIED OUT SUCCESSFULLY FROM 20:35HRS TO 22:35HRS DT.10/03/22)	
MSPGCL	Uran Unit 5	108	14/03/2022	00:00		Continued.	Gas shortage	
MSPGCL	Parli Unit 7	250	15/03/2022	23:10		Continued.	Furnace Pressure High	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	
MSPGCL	Bhusawal Unit 5	500	18/03/2022	01:26	20/03/2022	00:25	bottom ash clinker formation	
MSPGCL	Bhusawal Unit 3	210	20/03/2022	07:00		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 9	660	20/03/2022	21:49	21/03/2022	00:30	Water pump problem	
MSPGCL	Khaparkheda Unit 1	210	21/03/2022	01:27	21/03/2022	03:58	Flame Failure	
MSPGCL	Khaparkheda Unit 5	500	21/03/2022	09:14		Continued.	suspected BTL	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2022

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2022

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	12/03/2022	15:01			T	Pole-2 tripped at Padghe end.Black smoke observed near pole 2, B phase converter transformer's 3A bushing - turret. Fire looked external and it was extinguished in 10-15 minjutes using fire tenders and fire hydrant
400 KV TBC Outages/Trippings							
BUS COUPLER @ CHAKAN	IntraState	20/03/2022	13:10	20/03/2022	18:15	EO	To attend the Hot Spot at 1) 89A Isolator Bph Isolator Side 2) 89A Y ph IPS Tube side 3) 89 B Y ph Hanger Clamp
400 KV LINE Outages/Trippings							
JAIGAD - KARAD CKT - 1	IntraState	20/03/2022	19:33	20/03/2022	20:20	HT	HT DUE TO ISOLATOR OPEN AT KARAD
400 KV ICT Outages/Trippings							
400/220/33 KV 315MVA ICT - 2 @ CHAKAN	IntraState	20/03/2022	01:20	20/03/2022	03:01	T	TRIPPED ON EARTH FAULT
400 KV BUSBAR Outages/Trippings							
400KV BUSBAR PROTECTION @ KORADI 2	InterState	20/03/2022	17:52	20/03/2022	22:40	PO	Integration of new bay (415) panel with existing 400 kV Busbar panel Relay (REB 500) for Busbar Protection of New Bus Shunt Reactor with bay (415) at 400 kV Koradi-II SS
220 KV LINE Outages/Trippings							
MULUND - GIS BHANDUP	IntraState	29/01/2022	15:44			T	cABLE FAULT
MUDSHINGI - CHIKODI	IntraState	19/03/2022	17:34	20/03/2022	19:43	T	Distance protection, Rain, Ligtning, Storm reported, B-ph to Earth, 5.98 KAMP, 22.5 KM
TALANDAGE - CHIKODI	IntraState	19/03/2022	23:18	20/03/2022	19:37	HT	FOR SAFETY PURPOSE DUE TO MULTI CKT TOWER .220KV MUSHINGI-CHIKODI IS UNDER B/DN.
MAIN BUS - 1 @ GORAI	IntraState	20/03/2022	00:31	20/03/2022	03:24	PO	Functional check of Isolator 489A of spare bay proposed for reactor
MAIN BUS - 2 @ GORAI	IntraState	20/03/2022	03:41	20/03/2022	04:23	PO	Functional check of isolator 489B of spare bay proposed for reactor
TROMBAY - KALWA	IntraState	20/03/2022	08:28	20/03/2022	14:24	EO	1) CB TNC Switch Replacement Work at 220KV Trombay ss end. 2) B pH CT 800-400/1 needs to be replaced by 1600-800/1 A CT at 400KV RS Kalwa . New EHV CT 245kV CG make CT -1 no, ready, all testing already done at site.
TROMBAY - MULUND	IntraState	20/03/2022	14:53	20/03/2022	18:25	EO	4 Nature of work to be carried out. Nut bolt tightening work at BARC premises
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantailing said 50MVA T/f 1 at 220 kV K'gaon S/s
220/132 KV 200 MVA ICT 3 @ BABHLESHWAR	IntraState	20/12/2021	22:45			T	Tripped on Diferrential protection and Declare faulty
220/132 KV 100 MVA ICT 1 @ LONIKAND 2	IntraState	01/03/2022	18:17			T	Differential Protection
220 / 110 / 22kV 250MVA ICT 1 @ BORIVALI (TATA)	IntraState	17/03/2022	12:30			PO	Shifting to new GIS
220/22 KV 50 MVA PTR 2 @ VASAI	IntraState	20/03/2022	12:24	20/03/2022	19:35	PO	1) To replace WTI/OTI meter. 2) To attend Hot spot of Tr. No.2 LV B-phase bushing

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2022

Statement-VII

Position as on 6.30 Hrs of 21/Mar/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/33KV 25MVA PTR 1 @ HALKARNI	IntraState	21/03/2022	09:15			PO	For Transformer Internal Inspection, Oil Filtration, Vacuum Process and Testing work
110 KV LINE Outages/Trippings							
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De- Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De- Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage