

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Dec/2020 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	131.927	4330.465	1) Gujrat	3.879	60.931
2) Hydro	15.270	302.364	2) Madhya Pradesh	8.535	218.160
3) Gas	3.760	191.101	3) Chattisgarh	5.860	188.270
Total MSPGCL	150.957	4823.930	4) Maharashtra	150.868	4410.896
B) 1) APML	15.734	1363.317	5) Goa (Amona)	-0.978	-38.937
2) JSWEL	19.485	568.034	Total	168.164	4839.320
3) VIPL	0.000	0.000	a) Mumbai Schedule	14.082	512.121
4) RPL(AMT)	25.154	317.683	b) Mumbai Drawl	16.684	585.227
5) WPCL	6.326	225.161	c) MSEDCL Bilateral *	48.396	1187.467
6) Other IPP	17.374	544.041	Include PX	20.384	338.752
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	14.082	511.144
C) 1) TPCL Thermal	13.455	414.637	Include PX	7.711	289.827
2) TPCL Hydro	4.352	98.988	Standby	0.000	0.978
3) TPCL Gas	2.133	104.819	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.741	289.817	1) MSEDCL	407.137	12637.867
D) STATE			2) Mumbai Discoms	46.365	1493.486
1) Thermal	239.196	8053.155	TOTAL STATE	453.502	14131.353
(A1+C1+C4+(B1-B6))					
2) Hydro	19.622	401.352			
(A2+C2)					
3) Gas	5.893	295.920			
(A3+B7+C3)					
4) Wind	14.918	343.809			
6) SOLAR	5.709	197.799			
TOTAL STATE	285.338	9292.035			

* 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 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5804	5816	5585	4468
MSPGCL Hydro	1672	1202	806	98
MSPGCL Gas	150	130	130	150
MSPGCL Total Generation	7626	7148	6520	4716
Central Sector Receipt	8710	8515	6009	5845
WIND	462	371	510	706
CPP / IPP Thermal	3823	3822	3906	3094
CPP / IPP Gas	0	0	0	0
SOLAR	882	913	0	0
Exchange with Mumbai	-777	-753	-711	-567
MSEDCL DEMAND MET	20726	20016	16234	13794
Load Shedding	0	0	0	0
MSEDCL DEMAND	20726	20016	16234	13794
TPCL GENERATION	1121	1126	1124	502
AEML GENERATION	500	499	500	282
MUMBAI DEMAND	2398	2378	2335	1351
STATE DEMAND MET	23124	22394	18570	15144
STATE DEMAND	23124	22394	18570	15144
Frequency (Hz)	49.95	50.00	50.00	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 23.56 Hrs	49.73 Hz at 09.04 Hrs	49.97	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 31/Dec/2020

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.96	73.50	145	105
Unit 7	2.89	50.85	130	112
Unit 8	12.40	380.13	631	391
Unit 9	12.04	277.25	533	400
Unit 10	0.00	17.23	0	0
Total	30.29	798.95		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.20	307.72	455	285
Unit 5	0.00	252.84	0	0
Total	10.20	560.57		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.19	155.60	250	162
Unit 7	5.22	157.78	249	155
Unit 8	5.38	152.63	253	169
Total	15.79	466.01		
Chandrapur				
Unit 3	3.65	103.08	170	123
Unit 4	3.64	110.82	165	140
Unit 5	9.34	283.24	440	280
Unit 6	0.00	233.67	0	0
Unit 7	9.71	184.68	451	299
Unit 8	0.00	208.25	0	0
Unit 9	11.69	318.00	495	468
Total	38.04	1441.74		
Paras				
Unit 3	4.70	146.39	245	126
Unit 4	5.04	148.96	241	151
Total	9.74	295.35		
Khaparkheda				
Unit 1	2.92	103.84	145	100
Unit 2	3.65	117.18	180	115
Unit 3	4.13	37.99	200	140
Unit 4	4.14	128.62	190	130
Unit 5	9.27	279.22	420	360
Total	24.10	666.85		
Nasik				
Unit 3	0.00	7.70	0	0
Unit 4	3.77	93.29	196	123
Unit 5	0.00	0.00	0	0
Total	3.77	100.99		
Uran				
All Units	3.76	191.10	292	130
Total	3.76	191.10		
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)	0.54	6.98	27	10

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.54	6.98		
Koyna				
Stage 1-2	4.05	95.34	515	40
Stage 4	6.45	93.84	750	0
Stage 3	2.42	41.16	240	0
Total	12.92	230.34		
Hydro				
KDPH	0.44	9.93	19	19
VTRNA	0.00	0.00	0	0
TILLARI	0.00	1.83	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.22	6.00	40	0
RNGR+BHTSA	0.36	10.92	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.36	1.09	15	15
SMLHY_PTN	0.22	12.63	10	9
GHATGHAR	0.74	29.63	250	0
Total	2.35	72.03		
Wind				
Total	14.92	343.81	0	0
Total	14.92	343.81		
CPP				
APML(Mus)	15.73	1363.32	0	0
JSWEL(Mus)	19.48	568.03	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	25.15	317.68	0	0
WPCL(Mus)	6.33	225.16	0	0
Other(Mus)	17.37	544.04	0	0
Total	84.07	3018.24		
SOLAR				
Total	5.71	197.80	0	0
Total	5.71	197.80		
Tata				
Trombay 5	8.90	274.51	463	275
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.18	64.34	50	49
Trombay 7B	0.95	40.47	40	39
Trombay 8	4.56	140.13	232	135
TATA Hydro	4.35	98.99	360	0
Total	19.94	618.44		
AEML				
DTPS U-1&2	9.74	289.82	500	282
Total	9.74	289.82		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	131.93	4330.46	MSPGCL Total	150.96	4823.93
			MSPGCL Thml+Gas	135.69	4521.57	Koyna 1,2 & 4 Total	10.50	189.18
			MSPGCL Hydro	15.27	302.36	State Total	285.34	9292.04

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/Dec/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	5138	104	150	5392	896	3096	0	0	5834	5670	-724	14330	0	14330	1507	15836	49.98
2	4937	112	140	5190	807	3088	0	0	6060	5708	-620	14172	0	14172	1405	15578	49.99
3	4468	98	150	4716	706	3094	0	0	6170	5845	-567	13794	0	13794	1351	15144	49.98
4	4462	108	150	4720	788	3046	0	0	6169	6030	-522	14062	0	14062	1304	15366	49.98
5	4787	108	150	5044	826	3095	0	0	6238	6601	-538	15028	0	15028	1321	16350	49.99
6	5419	108	150	5676	889	3074	0	0	6904	7200	-621	16218	0	16218	1404	17622	49.94
7	5802	112	140	6054	857	3187	0	5	7982	7903	-704	17302	0	17302	1513	18816	50.00
8	5916	644	150	6710	762	3619	0	79	7927	7910	-452	18628	0	18628	1676	20304	49.97
9	5893	1358	150	7400	649	3877	0	280	7891	7730	-500	19436	0	19436	1922	21358	49.94
10	5910	1622	150	7682	589	3847	0	536	8247	8235	-632	20258	0	20258	2170	22428	49.89
11	5843	1648	130	7620	473	3814	0	740	8554	8703	-730	20620	0	20620	2351	22972	49.89
12	5804	1672	150	7626	462	3823	0	882	8837	8710	-777	20726	0	20726	2398	23124	49.95
13	5816	1202	130	7148	371	3822	0	913	8531	8515	-753	20016	0	20016	2378	22394	50.00
14	5758	888	140	6786	334	3817	0	836	8399	8440	-682	19532	0	19532	2263	21794	49.98
15	5820	870	130	6820	264	3834	0	683	8548	8298	-685	19214	0	19214	2278	21492	49.99
16	5769	892	130	6792	303	3880	0	489	8526	8442	-646	19260	0	19260	2259	21518	49.93
17	5774	782	130	6686	285	3878	0	225	7765	7686	-623	18138	0	18138	2259	20396	49.95
18	5720	1060	150	6930	392	3854	0	41	6574	6504	-612	17108	0	17108	2252	19360	50.01
19	5585	806	130	6520	510	3906	0	0	6226	6009	-711	16234	0	16234	2335	18570	50.00
20	5550	402	150	6102	618	3698	0	0	6062	6230	-767	15882	0	15882	2283	18164	50.00
21	5627	220	146	5994	768	3340	0	0	5613	5489	-848	14742	0	14742	2154	16896	49.96
22	5583	142	192	5918	799	3196	0	0	5605	5471	-1067	14316	0	14316	2001	16318	49.95
23	5441	114	280	5834	801	3093	0	0	5624	5366	-1006	14088	0	14088	1848	15936	49.96
24	5105	198	292	5596	769	3095	0	0	5573	5469	-897	14032	0	14032	1733	15764	50.00
MUs	131.93	15.27	3.76	150.96	14.92	84.07	0.00	5.71	169.86	168.16	-16.68	407.14	0.00	407.14	46.36	453.50	49.97

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 31/Dec/2020

Position as on 6.30 Hrs of 01/Jan/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna STG-IV Unit-2	250	23/11/2020	08.00		Continued.	Capital Overhaul	
MSPGCL	Chandrapur Unit-8	500	20/12/2020	00.00		Continued.	Annual Overhaul	
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	
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	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule from 18:00hrs of 28/09/2019	
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)	
MSPGCL	Uran Unit 8	108	01/03/2020	20.57		Continued.	Gas shortage	
MSPGCL	Uran Unit B0	120	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
IPP	JSW (J) U2	300	01/11/2020	04.44		Continued.	No Schedule	
MSPGCL	Nasik Unit 3	210	03/12/2020	06.45		Continued.	Economizer Tube Leakage. (Zero Schedule from 18:45hrs of 05.12.2020)	
IPP	Adani U-4	660	15/12/2020	23.48		Continued.	Zero schedule.	
IPP	Adani U-5	660	16/12/2020	03.50		Continued.	Zero schedule.	
IPP	Adani U-1	660	16/12/2020	10.58		Continued.	Withdrawal For RSD.	
IPP	Adani U-3	660	23/12/2020	23.59		Continued.	Turbine Bearing Vibration.	
MSPGCL	Bhusawal Unit 5	500	24/12/2020	21.15		Continued.	Due to clinker formed inside the bottom ash hopper	
MSPGCL	Koradi Unit 10	660	25/12/2020	10.56		Continued.	Boiler Tube Leakage	
CPP	SWPGL U-3	135	28/12/2020	00.00	31/12/2020	17.29	ID Fan Problem	
MSPGCL	Uran Unit 5	108	29/12/2020	18.44	31/12/2020	20.18	Gas shortage	
MSPGCL	Chandrapur Unit 6	500	30/12/2020	07.07		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2020

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2021

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 I	InterState	30/12/2020	19.22	31/12/2020	10.32	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	31/12/2020	16.57		Continued.	HT	Over Voltage
Chandrapur Bhadravati II	InterState	31/12/2020	19.01	31/12/2020	23.52	PO	Work By PGCIL At Chandrapur End.
Karad - Jaigad - II	IntraState	16/09/2020	23.34		Continued.	HT	Over Voltage (Tower Collapsed Loc No.150 at 18.59Hrs DT.27/09/2020).
Jaigad-Karad Ckt-I	IntraState	27/09/2020	18.59		Continued.	T	Distance Protection(Tower Collapsed Loc No.150 at 18.59Hrs DT.27/09/2020).
Chandrapur - Khaperkheda	IntraState	30/12/2020	06.25	31/12/2020	16.28	PO	Reshifting of line from ERS to existing line for restoration.
New Koyna - Dabhol-I	IntraState	30/12/2020	11.24	31/12/2020	09.54	T	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	30/12/2020	23.23	31/12/2020	07.32	HT	Over Voltage
Lonikand 1 - Talegaon(Pgcil)	IntraState	31/12/2020	10.17		Continued.	PO	1)Erection of 89A(N+27) & 90A(N+27); 2) loc no. 89A to 90A stringing; 3) loc no. 89A to 82 stringing;4) loc no. 90 to 92 stringing; 5)Dismantling of old towers 89 & 90
Khadka-Aurangabad (Waluj)	IntraState	31/12/2020	17.33		Continued.	HT	Over Voltage
Dhule - Bableshwar - II	IntraState	31/12/2020	20.30		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.
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	10/09/2020	09.58		Continued.	PO	Replacement of Existing 315 MVA ICT by 3*167 MVA ICT.
400/220/33 Kv 315 Mva Ict 2 @Dhule	IntraState	23/09/2020	09.12		Continued.	PO	Augmentation work of 400/220 315MVA ICT-II to 501MVA
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)
Parli 3 (Old Gcr)-Girwali Ckt-3	IntraState	20/08/2020	13.05		Continued.	PO	Erection of Tower Due to Railway Crossing
Parli 3(Old Gcr)- Girwali Ckt 4	IntraState	20/08/2020	13.06		Continued.	PO	Erection of Tower Due to Railway Crossing
Trombay - Kalwa	IntraState	16/12/2020	06.43		Continued.	PO	HTLS work.
Chinchwad- Parvati	IntraState	21/12/2020	12.06		Continued.	PO	CB Overhauling work
Dahanu Ghodbunder Line 1	IntraState	29/12/2020	07.15		Continued.	PO	Shifting of line from its existing position to newly constructed temporary towers under DFCCIL Modification / Diversion works.(Tripped While Taking Into Service at 00.24 Hrs 30.12.2020).
Trombay Salsette 1 Backbay	IntraState	31/12/2020	07.52	31/12/2020	18.38	PO	Replacement of 0.5 Moose ACSR conductor in span Gantry Structure to loc. 01 at Trombay end.
PANDHARPUR BHALVANI	IntraState	31/12/2020	10.15	31/12/2020	19.55	PO	Outage is required for 220 kv Bus Isolator Alignment Work.
Lonikand1 (400 Kv)-Theur I	IntraState	31/12/2020	11.45	31/12/2020	13.39	PO	Replacement of "Y" Ph L.A due to having higher L.C.M value.
Baramati - Kurkumbh	IntraState	31/12/2020	16.14	31/12/2020	18.59	PO	Replacement of damaged OPGW cable from CTT Tower to loc no 132.
Baramati- Kalyani	IntraState	31/12/2020	16.24	31/12/2020	18.50	PO	Replacement of damaged OPGW cable from CTT Tower to

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 31/Dec/2020

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							loc no 132.
220 KV ICT Outages/Trippings							
220/100 Kv 100 Mva Cgl Ict 2 @Tambati	IntraState	27/12/2020	11.11	31/12/2020	15.12	PO	HV circuit Breaker overhauling
220/100kv 100mva Cgl Ict 1 @Pandharpur	IntraState	31/12/2020	12.01	31/12/2020	19.20	PO	Outage is required for 220 kV Bus Isolator Alignment Work.