

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	66.602	4227.438	1) Gujrat	7.537	221.069
2) Hydro	8.897	281.486	2) Madhya Pradesh	14.853	421.637
3) Gas	6.887	212.184	3) Chattisgarh	7.120	174.650
Total MSPGCL	82.386	4721.108	4) Maharashtra	98.400	3584.749
B) 1) APML	65.496	2011.416	5) Goa (Amona)	0.000	-8.558
2) JSWEL	11.054	454.546	Total	127.910	4393.547
3) VIPL	0.000	0.000	a) Mumbai Schedule	19.070	638.472
4) RPL(AMT)	0.000	64.411	b) Mumbai Drawl	16.689	650.343
5) WPCL	5.592	113.800	c) MSEDCL Bilateral *	36.232	1092.152
6) Other IPP	8.202	399.967	Include PX	17.347	245.272
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	19.070	638.472
C) 1) TPCL Thermal	10.203	388.675	Include PX	3.224	173.098
2) TPCL Hydro	3.002	108.887	Standby	0.000	0.000
3) TPCL Gas	2.590	88.194	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.918	294.466	1) MSEDCL	302.874	12118.402
D) STATE			2) Mumbai Discoms	41.402	1530.573
1) Thermal	176.067	7954.719	TOTAL STATE	344.276	13648.975
(A1+C1+C4+(B1-B6))					
2) Hydro	11.899	390.373			
(A2+C2)					
3) Gas	9.477	300.378			
(A3+B7+C3)					
4) Wind	11.827	381.036			
6) SOLAR	7.096	228.914			
TOTAL STATE	216.366	9255.420			

* 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 3 Hrs
MSPGCL Thermal	2719	2713	2784	2882
MSPGCL Hydro	407	309	552	139
MSPGCL Gas	280	269	287	283
MSPGCL Total Generation	3406	3291	3623	3304
Central Sector Receipt	6545	6872	4260	4637
WIND	310	238	586	474
CPP / IPP Thermal	3750	3804	3721	3654
CPP / IPP Gas	0	0	0	0
SOLAR	1028	976	0	0
Exchange with Mumbai	-700	-680	-710	-700
MSEDCL DEMAND MET	14339	14501	11480	11369
Load Shedding	0	0	0	0
MSEDCL DEMAND	14339	14501	11480	11369
TPCL GENERATION	694	692	709	618
AEML GENERATION	372	372	372	372
MUMBAI DEMAND	1766	1744	1791	1690
STATE DEMAND MET	16105	16245	13271	13059
STATE DEMAND	16105	16245	13271	13059
Frequency (Hz)	50.02	50.02	50.01	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 06.02 Hrs	49.69 Hz at 05.11 Hrs	49.99	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/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	12.29	331.50	542	465
Unit 9	11.40	344.50	520	437
Unit 10	11.16	332.09	490	460
Total	34.85	1008.08		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	211.68	0	0
Unit 5	0.00	212.19	0	0
Total	0.00	423.87		
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	0.00	69.80	0	0
Unit 8	0.00	120.48	0	0
Total	0.00	267.54		
Chandrapur				
Unit 3	0.00	107.76	0	0
Unit 4	0.00	102.86	0	0
Unit 5	0.00	162.73	0	0
Unit 6	0.00	221.38	0	0
Unit 7	0.00	243.97	0	0
Unit 8	10.65	281.69	485	360
Unit 9	9.85	305.51	460	360
Total	20.51	1425.90		
Paras				
Unit 3	5.68	151.12	251	190
Unit 4	5.57	154.98	254	168
Total	11.25	306.10		
Khaparkheda				
Unit 1	0.00	96.24	0	0
Unit 2	0.00	101.78	0	0
Unit 3	0.00	100.65	0	0
Unit 4	0.00	95.80	0	0
Unit 5	0.00	300.41	0	0
Total	0.00	694.88		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	101.06	0	0
Unit 5	0.00	0.00	0	0
Total	0.00	101.06		
Uran				
All Units	6.89	212.18	305	269
Total	6.89	212.18		
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)	0.02	1.45	13	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.02	1.45		
Koyna				
Stage 1-2	3.56	99.04	465	40
Stage 4	1.84	67.34	500	0
Stage 3	1.04	36.81	160	0
Total	6.44	203.18		
Hydro				
KDPH	0.89	23.37	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.18	11.47	60	0
BHTGR/VEER	0.00	0.36	0	0
BHIRA T.R.	0.11	4.82	73	0
RNGR+BHTSA	0.32	9.82	14	13
BHANDARDRA	0.46	11.30	20	19
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.49	15.67	30	18
GHATGHAR	0.00	1.49	0	0
Total	2.45	78.30		
Wind				
Total	11.83	381.04	0	0
Total	11.83	381.04		
CPP				
APML(Mus)	65.50	2011.42	0	0
JSWEL(Mus)	11.05	454.55	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	64.41	0	0
WPCL(Mus)	5.59	113.80	0	0
Other(Mus)	8.20	399.97	0	0
Total	90.34	3044.14		
SOLAR				
Total	7.10	228.91	0	0
Total	7.10	228.91		
Tata				
Trombay 5	6.50	249.50	272	269
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.44	51.72	61	59
Trombay 7B	1.15	36.47	48	47
Trombay 8	3.71	139.17	155	153
TATA Hydro	3.00	108.89	235	54
Total	15.80	585.76		
AEML				
DTPS U-1&2	8.92	294.47	373	370
Total	8.92	294.47		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	66.60	4227.44	MSPGCL Total	82.39	4721.11
			MSPGCL Thml+Gas	73.49	4439.62	Koyna 1,2 & 4 Total	5.40	166.38
			MSPGCL Hydro	8.90	281.49	State Total	216.37	9255.42

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/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	2896	318	302	3516	578	3754	0	0	4846	4763	-833	11778	0	11778	1858	13636	49.98
2	2887	144	294	3325	502	3695	0	0	4770	4582	-757	11347	0	11347	1760	13107	49.97
3	2882	139	283	3304	474	3654	0	0	4643	4637	-700	11369	0	11369	1690	13059	49.96
4	2867	138	305	3310	569	3707	0	0	4698	4538	-680	11444	0	11444	1638	13082	50.01
5	2865	158	296	3319	639	3728	0	0	4639	4561	-651	11596	0	11596	1609	13205	49.94
6	2817	368	296	3481	755	3818	0	0	5079	5147	-661	12540	0	12540	1619	14159	49.91
7	2849	883	297	4029	632	3819	0	19	5612	5729	-638	13590	0	13590	1614	15204	50.01
8	2870	773	297	3940	484	3798	0	157	6094	5960	-660	13679	0	13679	1620	15299	49.98
9	2845	828	292	3965	451	3793	0	432	5427	5501	-717	13425	0	13425	1694	15119	49.97
10	2741	1228	286	4255	335	3788	0	738	4902	4968	-706	13378	0	13378	1747	15125	49.98
11	2728	607	273	3608	305	3771	0	911	5538	5606	-717	13484	0	13484	1782	15266	49.98
12	2719	407	280	3406	310	3750	0	1028	6532	6545	-700	14339	0	14339	1766	16105	50.02
13	2713	309	269	3291	238	3804	0	976	6899	6872	-680	14501	0	14501	1744	16245	50.02
14	2742	304	278	3324	277	3929	0	900	6726	6630	-689	14371	0	14371	1721	16092	50.02
15	2741	165	279	3185	237	3993	0	815	6806	6639	-659	14210	0	14210	1695	15905	49.99
16	2752	132	280	3164	368	3998	0	553	6869	6508	-615	13976	0	13976	1662	15638	49.98
17	2590	127	272	2989	775	3885	0	398	6074	5624	-594	13077	0	13077	1644	14721	50.00
18	2510	132	283	2925	714	3772	0	142	5219	4973	-589	11937	0	11937	1632	13569	50.00
19	2554	227	276	3057	611	3552	0	27	4249	4593	-608	11232	0	11232	1661	12893	49.99
20	2784	552	287	3623	586	3721	0	0	4128	4260	-710	11480	0	11480	1791	13271	50.01
21	2778	267	299	3344	606	3795	0	0	4234	4223	-693	11275	0	11275	1833	13108	49.97
22	2829	167	279	3275	473	3730	0	0	4544	4594	-738	11334	0	11334	1845	13179	49.98
23	2832	212	291	3335	447	3602	0	0	4652	4932	-822	11494	0	11494	1878	13372	49.99
24	2811	312	293	3416	461	3488	0	0	5082	5525	-872	12018	0	12018	1899	13917	49.98
MUs	66.60	8.90	6.89	82.39	11.83	90.34	0.00	7.10	128.26	127.91	-16.69	302.87	0.00	302.87	41.40	344.28	49.99

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/Mar/2020

Position as on 6.30 Hrs of 01/Apr/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 U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	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	31/03/2020	12.07	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	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	Parli Unit 8	250	23/03/2020	18.00		Continued.	Zero Schedule.	
MSPGCL	Chandrapur Unit 6	500	23/03/2020	21.59		Continued.	Clinker Removal Work.	
MSPGCL	Khaparkheda Unit 2	210	25/03/2020	18.02		Continued.	Reserve Shut Down.	
MSPGCL	Khaparkheda Unit 1	210	25/03/2020	18.03		Continued.	Reserve Shut Down.	
MSPGCL	Nasik Unit 4	210	25/03/2020	19.45		Continued.	Reserve Shut Down.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Mar/2020

Position as on 6.30 Hrs of 01/Apr/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 3	210	25/03/2020	23.55		Continued.	Reserve Shut Down.	
MSPGCL	Khaparkheda Unit 4	210	25/03/2020	23.58		Continued.	Reserve Shut Down.	
IPP	JSW (J) U2	300	26/03/2020	00.13		Continued.	No schedule.	
MSPGCL	Chandrapur Unit 3	210	26/03/2020	14.31		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Chandrapur Unit 4	210	26/03/2020	16.06		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Chandrapur Unit 5	500	26/03/2020	20.29		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Uran Unit 5	108	27/03/2020	05.53		Continued.	Mal Function	
MSPGCL	Chandrapur Unit 7	500	28/03/2020	23.56		Continued.	Zero Schedule.	
MSPGCL	Khaparkheda Unit 5	500	30/03/2020	17.42		Continued.	Zero schedule.	
IPP	JSW (J) U3	300	31/03/2020	22.46		Continued.	No schedule.	
IPP	JSW (J) U4	300	31/03/2020	23.59		Continued.	No schedule.	

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

Statement-VII

Position as on 6.30 Hrs of 01/Apr/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
Padgha - Boisar (PG)	InterState	25/03/2020	18.00		Continued.	T	Over Voltage
Dabhol Nagothane I	InterState	28/03/2020	13.13		Continued.	T	Over Voltage
Dhule Sar'Sarovar I	InterState	30/03/2020	17.32		Continued.	HT	Over Voltage
Wardha (Pg) Warora I	InterState	31/03/2020	01.38	31/03/2020	09.44	T	Distance Protection
Babhaleshwar - Padghe-II	IntraState	22/03/2020	08.19		Continued.	T	Over Voltage
Padghe - Kalwa-II	IntraState	22/03/2020	16.57		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	23/03/2020	18.12		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	23/03/2020	20:37		Continued.	HT	Over Voltage
Dhule- Bableswhar - I	IntraState	24/03/2020	20.20		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	25/03/2020	15.38		Continued.	HT	Over Voltage
Padghe - Nagothane - I	IntraState	25/03/2020	16.10		Continued.	T	Over Voltage
New Koyana - Koyana Stage IV-II	IntraState	25/03/2020	18.01		Continued.	T	Over Voltage
New Koyana - Dabhol-I	IntraState	25/03/2020	18.01		Continued.	T	Over Voltage
Koradi-Khaperkheda I	IntraState	25/03/2020	20.21		Continued.	T	Over Voltage
Koradi-Bhusawal	IntraState	25/03/2020	20.21		Continued.	T	Distance Protection
Kalwa - Talegaon(PG)	IntraState	28/03/2020	16.47		Continued.	PO	Over Voltage
Lonikand I - Koyana stage-IV	IntraState	28/03/2020	18.10		Continued.	HT	Over Voltage
Parly(MS)- Nanded ckt II	IntraState	30/03/2020	19.23	31/03/2020	01.04	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.
400/220/33 Kv 315 Mva Ict- 2 @Kharghar	IntraState	25/03/2020	13.59		Continued.	EO	CT Tan Delta High.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/03/2020	16.32		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	25/03/2020	17.57		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220/33 Kv 500 MVA ICT-II @Lonikand 2	IntraState	25/03/2020	22.00		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220/33kv 315mva Ict3 @Lonikand	IntraState	25/03/2020	22.01		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	28/03/2020	18.07		Continued.	HT	Over Voltage
400/220kv 315 Mva ICT III @Karad	IntraState	31/03/2020	14.50	31/03/2020	16.00	T	To attend Hot Spot on 29B isolator.
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.

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/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 01/Apr/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Hinjewadi2 - Hinjewadi 3 ckt II	IntraState	26/03/2020	10.20		Continued.	HT	Over Voltage
Hinjewadi2 - Hinjewadi 3 ckt 1	IntraState	26/03/2020	10.20		Continued.	HT	Over Voltage
Hinganghat - Bhugaon	IntraState	31/03/2020	01.17	31/03/2020	02.16	T	Distance Protection
Nanded - Parli Ext. Ckt II	IntraState	31/03/2020	07.46	31/03/2020	07.53	HT	To open the isolator and close it due to visible hot spot.
Nagar-Babhaleshwar Ckt II	IntraState	31/03/2020	14.27	31/03/2020	14.55	HT	To remove kite.
Kandalgaon - Pirangut	IntraState	31/03/2020	14.52	31/03/2020	20.20	T	Distance Protection
Bapgaon - Kalwa	IntraState	01/04/2020	04.10	01/04/2020	05.23	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
220/33kv 100 Mva Transformer 1 @Ghodbunder R/S	IntraState	31/03/2020	11.24	31/03/2020	12.40	T	Replacement of fault PT fuse on B-Phase of incomer SW no.13.
132 KV LINE Outages/Trippings							
Kalmeshwar-Saoner 2	IntraState	31/03/2020	07.41	31/03/2020	08.46	T	Distance Protection

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