

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Mar/2020 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	78.065	4018.398	1) Gujrat	8.026	198.697
2) Hydro	8.218	251.472	2) Madhya Pradesh	14.896	376.934
3) Gas	6.813	191.611	3) Chattisgarh	6.110	155.470
Total MSPGCL	93.096	4461.481	4) Maharashtra	109.986	3281.398
B) 1) APLM	54.267	1823.525	5) Goa (Amona)	-0.088	-8.558
2) JSWEL	8.643	425.744	Total	138.930	4003.941
3) VIPL	0.000	0.000	a) Mumbai Schedule	19.322	586.297
4) RPL(AMT)	0.000	64.411	b) Mumbai Drawl	15.703	603.244
5) WPCL	5.597	97.003	c) MSEDCL Bilateral *	37.166	974.316
6) Other IPP	9.524	374.652	Include PX	20.254	184.535
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	19.322	586.297
C) 1) TPCL Thermal	11.086	356.718	Include PX	5.226	164.723
2) TPCL Hydro	3.842	99.353	Standby	0.000	0.000
3) TPCL Gas	2.567	80.419	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.052	267.253	1) MSEDCL	309.819	11204.159
D) STATE			2) Mumbai Discoms	41.253	1406.995
1) Thermal	175.234	7427.704	TOTAL STATE	351.072	12611.154
(A1+C1+C4+(B1-B6))					
2) Hydro	12.060	350.825			
(A2+C2)					
3) Gas	9.380	272.030			
(A3+B7+C3)					
4) Wind	8.027	349.725			
6) SOLAR	7.438	206.921			
TOTAL STATE	212.139	8607.205			

* 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	3070	3036	3213	3349
MSPGCL Hydro	424	222	663	124
MSPGCL Gas	279	266	285	291
MSPGCL Total Generation	3773	3524	4161	3764
Central Sector Receipt	6889	7096	4726	5170
WIND	159	166	259	459
CPP / IPP Thermal	3186	3149	3260	3254
CPP / IPP Gas	0	0	0	0
SOLAR	1076	1011	0	0
Exchange with Mumbai	-654	-610	-590	-845
MSEDCL DEMAND MET	14429	14336	11816	11802
Load Shedding	0	0	0	0
MSEDCL DEMAND	14429	14336	11816	11802
TPCL GENERATION	739	768	807	638
AEML GENERATION	375	374	373	190
MUMBAI DEMAND	1768	1752	1770	1673
STATE DEMAND MET	16197	16088	13586	13475
STATE DEMAND	16197	16088	13586	13475
Frequency (Hz)	50.08	50.08	49.94	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 14.02 Hrs	49.77 Hz at 18.45 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 28/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	9.12	297.14	404	348
Unit 9	8.88	311.78	430	290
Unit 10	10.41	300.11	480	370
Total	28.41	909.03		
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	9.60	243.97	450	302
Unit 8	10.14	250.94	480	360
Unit 9	9.73	276.00	475	335
Total	29.48	1365.64		
Paras				
Unit 3	5.19	134.77	252	190
Unit 4	5.25	138.53	254	195
Total	10.43	273.30		
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	9.74	283.49	480	360
Total	9.74	677.95		
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	6.81	191.61	304	266
Total	6.81	191.61		
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	1.43	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	1.43		
Koyna				
Stage 1-2	3.74	85.90	500	40
Stage 4	1.11	62.43	508	0
Stage 3	0.82	32.59	160	0
Total	5.68	180.92		
Hydro				
KDPH	0.89	20.71	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.30	10.38	60	0
BHTGR/VEER	0.00	0.36	0	0
BHIRA T.R.	0.12	4.49	80	0
RNGR+BHTSA	0.32	8.93	14	13
BHANDARDRA	0.47	9.91	31	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.44	14.29	19	18
GHATGHAR	0.00	1.49	0	0
Total	2.54	70.55		
Wind				
Total	8.03	349.72	0	0
Total	8.03	349.72		
CPP				
APML(Mus)	54.27	1823.52	0	0
JSWEL(Mus)	8.64	425.74	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	64.41	0	0
WPCL(Mus)	5.60	97.00	0	0
Other(Mus)	9.52	374.65	0	0
Total	78.03	2785.34		
SOLAR				
Total	7.44	206.92	0	0
Total	7.44	206.92		
Tata				
Trombay 5	7.05	229.21	434	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.43	47.39	61	58
Trombay 7B	1.14	33.03	48	46
Trombay 8	4.04	127.51	233	153
TATA Hydro	3.84	99.35	276	49
Total	17.50	536.49		
AEML				
DTPS U-1&2	8.05	267.25	488	190
Total	8.05	267.25		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	78.06	4018.40	MSPGCL Total	93.10	4461.48
			MSPGCL Thml+Gas	84.88	4210.01	Koyna 1,2 & 4 Total	4.86	148.33
			MSPGCL Hydro	8.22	251.47	State Total	212.14	8607.20

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/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	3495	259	279	4033	423	3261	0	0	5378	5319	-870	12166	0	12166	1865	14031	49.99
2	3523	139	301	3963	428	3254	0	0	5528	5337	-893	12089	0	12089	1752	13841	49.99
3	3349	124	291	3764	459	3254	0	0	5470	5170	-845	11802	0	11802	1673	13475	50.00
4	3316	134	281	3731	404	3256	0	0	5374	5363	-803	11951	0	11951	1622	13573	50.02
5	3336	434	302	4072	394	3283	0	0	5474	5422	-775	12396	0	12396	1588	13984	49.98
6	3365	639	294	4298	399	3325	0	0	5846	5674	-770	12926	0	12926	1606	14532	49.99
7	3399	1163	284	4846	441	3312	0	14	6105	6140	-486	14267	0	14267	1636	15903	50.05
8	3367	876	304	4547	376	3315	0	174	6131	6000	-376	14036	0	14036	1656	15692	50.04
9	3366	361	280	4007	294	3306	0	468	6152	6138	-359	13854	0	13854	1698	15552	50.05
10	3338	377	286	4001	314	3287	0	699	6047	6170	-635	13836	0	13836	1714	15550	50.04
11	3117	306	273	3696	213	3316	0	897	6490	6140	-688	13574	0	13574	1762	15336	50.07
12	3070	424	279	3773	159	3186	0	1076	6585	6889	-654	14429	0	14429	1768	16197	50.08
13	3036	222	266	3524	166	3149	0	1011	6897	7096	-610	14336	0	14336	1752	16088	50.08
14	3062	132	279	3473	167	3137	0	982	7065	7115	-623	14251	0	14251	1745	15996	50.10
15	3051	122	280	3453	183	3133	0	841	7388	7230	-677	14163	0	14163	1728	15891	50.10
16	3063	127	280	3470	137	3159	0	669	7354	7212	-600	14047	0	14047	1688	15735	49.99
17	3071	127	271	3469	233	3154	0	429	6579	6377	-507	13155	0	13155	1648	14803	49.99
18	3058	137	281	3476	282	3172	0	173	5713	5657	-550	12210	0	12210	1633	13843	50.05
19	3022	204	274	3500	303	3168	0	5	5011	4926	-529	11373	0	11373	1649	13022	49.92
20	3213	663	285	4161	259	3260	0	0	4670	4726	-590	11816	0	11816	1770	13586	49.94
21	3354	409	276	4039	387	3328	0	0	4490	4347	-679	11422	0	11422	1838	13260	49.99
22	3337	193	298	3828	436	3344	0	0	4779	4785	-678	11715	0	11715	1810	13525	50.02
23	3458	273	289	4020	604	3344	0	0	4658	4731	-717	11982	0	11982	1820	13802	49.99
24	3299	373	280	3952	566	3328	0	0	4809	4966	-789	12023	0	12023	1829	13852	49.99
MUs	78.07	8.22	6.81	93.10	8.03	78.03	0.00	7.44	139.99	138.93	-15.70	309.82	0.00	309.82	41.25	351.07	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 28/Mar/2020

Position as on 6.30 Hrs of 29/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 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		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	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.	
IPP	Adani U-1	660	25/03/2020	01.30	29/03/2020	04.30	APH-A Hot PA Bellow Leakage.	
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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Mar/2020

Position as on 6.30 Hrs of 29/Mar/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	25/03/2020	19.45		Continued.	Reserve Shut Down.	
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.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 29/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 I	InterState	23/03/2020	17.19	28/03/2020	06.18	HT	Over Voltage
Padgha Tarapur I	InterState	25/03/2020	17.12	28/03/2020	13.18	T	Over Voltage
Padgha - Boisar (PG)	InterState	25/03/2020	18.00		Continued.	T	Over Voltage
Dhule Sar'Sarovar II	InterState	28/03/2020	10.08		Continued.	HT	Over Voltage
Dabhol Nagothane I	InterState	28/03/2020	13.13		Continued.	T	Over Voltage
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 Koyna - Koyna Stage IV-II	IntraState	25/03/2020	18.01		Continued.	T	Over Voltage
New Koyna - 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
Padghe - Kalwa- I	IntraState	27/03/2020	17.07	28/03/2020	12.33	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	28/03/2020	16.47		Continued.	PO	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/03/2020	18.10		Continued.	HT	Over Voltage
Pune(GIS)-A'bad(Waluj) Ckt 2	IntraState	29/03/2020	21.28	29/03/2020	23.08	EO	SF 6 Gas Leakage.
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
400/132 Kv 200 Mva Ict 1 @Khadka	IntraState	28/03/2020	19.15	28/03/2020	23.16	T	OSR Operated.
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.

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 28/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 29/Mar/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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.
Hinjewadi2 - Hinjewadi 3 ckt 1	IntraState	26/03/2020	10.20		Continued.	HT	Over Voltage
Hinjewadi2 - Hinjewadi 3 ckt II	IntraState	26/03/2020	10.20		Continued.	HT	Over Voltage
Mahad - Pedambe	IntraState	28/03/2020	09.46	28/03/2020	14.37	PO	Replacement Of Insulator String
Balapur-Malegaon	IntraState	28/03/2020	12.15	28/03/2020	17.22	PO	Urggent Tree Cutting Work.
Deepnagar Khadaka 2	IntraState	28/03/2020	16.17	28/03/2020	17.45	EO	For Providing pilot string.
Chandrapur(MIDC)-Ballarshah II	IntraState	28/03/2020	19.20	28/03/2020	20.10	T	5.2KM, B PH, 6.7KA.
Yeotmal- Pusad	IntraState	29/03/2020	18.32		Continued.	T	Distance Protection
BHUGAON WARORA CKT-II	IntraState	29/03/2020	19.13		Continued.	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

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