

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Apr/2020 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	68.422	1240.431	1) Gujrat	7.682	213.678
2) Hydro	11.268	365.454	2) Madhya Pradesh	12.058	319.961
3) Gas	6.783	145.717	3) Chattisgarh	7.250	160.450
Total MSPGCL	86.473	1751.602	4) Maharashtra	134.126	2624.941
B) 1) APLM	70.594	1316.881	5) Goa (Amona)	0.000	0.000
2) JSWEL	19.086	324.042	Total	161.116	3319.030
3) VIPL	0.000	0.000	a) Mumbai Schedule	22.124	373.164
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	23.178	323.750
5) WPCL	5.337	115.264	c) MSEDCL Bilateral *	63.327	1108.377
6) Other IPP	7.674	170.391	Include PX	40.882	712.114
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	22.124	373.164
C) 1) TPCL Thermal	6.615	242.137	Include PX	4.570	127.001
2) TPCL Hydro	5.454	87.395	Standby	0.000	0.000
3) TPCL Gas	4.359	70.376	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.991	221.351	1) MSEDCL	350.544	7069.886
D) STATE			2) Mumbai Discoms	48.596	945.006
1) Thermal	186.719	3630.497	TOTAL STATE	399.140	8014.892
(A1+C1+C4+(B1-B6))					
2) Hydro	16.722	452.849			
(A2+C2)					
3) Gas	11.142	216.093			
(A3+B7+C3)					
4) Wind	15.565	243.411			
6) SOLAR	7.877	153.015			
TOTAL STATE	238.025	4695.865			

* 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 22 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	2495	2500	3003	3078
MSPGCL Hydro	286	176	418	771
MSPGCL Gas	276	266	287	280
MSPGCL Total Generation	3057	2942	3708	4129
Central Sector Receipt	8190	7951	5446	5642
WIND	321	1020	942	571
CPP / IPP Thermal	4143	3825	4414	4576
CPP / IPP Gas	0	0	0	0
SOLAR	1051	662	0	0
Exchange with Mumbai	-1074	-995	-879	-913
MSEDCL DEMAND MET	15688	15405	13631	14005
Load Shedding	0	0	0	0
MSEDCL DEMAND	15688	15405	13631	14005
TPCL GENERATION	549	709	863	689
AEML GENERATION	375	374	374	375
MUMBAI DEMAND	1998	2078	2116	1977
STATE DEMAND MET	17686	17483	15747	15982
STATE DEMAND	17686	17483	15747	15982
Frequency (Hz)	49.98	49.95	49.97	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 18.02 Hrs	49.72 Hz at 19.15 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 21/Apr/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	0.00	112.89	0	0
Unit 9	0.00	112.84	0	0
Unit 10	0.00	108.90	0	0
Total	0.00	334.63		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Total	0.00	0.00		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 3	0.00	13.91	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	10.06	28.94	480	360
Unit 7	0.00	0.00	0	0
Unit 8	10.25	167.63	480	360
Unit 9	10.20	197.28	475	360
Total	30.52	407.76		
Paras				
Unit 3	5.50	111.95	250	200
Unit 4	5.48	100.88	255	185
Total	10.98	212.83		
Khaparkheda				
Unit 1	3.98	34.75	175	155
Unit 2	4.16	40.80	185	160
Unit 3	4.25	33.72	190	158
Unit 4	4.10	37.78	190	160
Unit 5	10.44	138.16	500	365
Total	26.92	285.22		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Total	0.00	0.00		
Uran				
All Units	6.78	145.72	304	266
Total	6.78	145.72		
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)	0.48	3.48	53	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.48	3.48		
Koyna				
Stage 1-2	4.20	110.49	575	40
Stage 4	2.77	135.80	449	0
Stage 3	1.52	52.10	160	0
Total	8.48	298.39		
Hydro				
KDPH	0.89	17.99	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.42	8.87	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.34	4.27	80	0
RNGR+BHTSA	0.31	5.93	13	12
BHANDARDRA	0.45	11.04	31	13
ELDARY	0.00	5.36	0	0
SMLHY_PTN	0.37	13.60	25	12
GHATGHAR	0.00	0.00	0	0
Total	2.78	67.06		
Wind				
Total	15.56	243.41	0	0
Total	15.56	243.41		
CPP				
APML(Mus)	70.59	1316.88	0	0
JSWEL(Mus)	19.09	324.04	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	5.34	115.26	0	0
Other(Mus)	7.67	170.39	0	0
Total	102.69	1926.58		
SOLAR				
Total	7.88	153.02	0	0
Total	7.88	153.02		
Tata				
Trombay 5	6.62	187.31	317	266
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.78	43.16	118	115
Trombay 7B	1.58	27.21	67	65
Trombay 8	0.00	54.82	0	0
TATA Hydro	5.45	87.40	375	62
Total	16.43	399.91		
AEML				
DTPS U-1&2	8.99	221.35	376	372
Total	8.99	221.35		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	68.42	1240.43	MSPGCL Total	86.47	1751.60
			MSPGCL Thml+Gas	75.20	1386.15	Koyna 1,2 & 4 Total	6.97	246.29
			MSPGCL Hydro	11.27	365.45	State Total	238.02	4695.86

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Apr/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	3116	801	276	4193	578	4560	0	0	5999	6185	-1171	14345	0	14345	2295	16640	49.93
2	3090	1076	299	4465	622	4640	0	0	5913	5976	-1079	14624	0	14624	2171	16795	49.98
3	3085	1005	290	4380	525	4561	0	0	5779	5679	-985	14160	0	14160	2060	16220	49.96
4	3078	771	280	4129	571	4576	0	0	5722	5642	-913	14005	0	14005	1977	15982	50.00
5	3081	736	304	4121	450	4559	0	0	5825	6046	-868	14308	0	14308	1917	16225	50.01
6	3133	666	294	4093	389	4575	0	6	6717	6724	-862	14925	0	14925	1890	16815	50.01
7	3140	547	285	3972	294	4533	0	61	7717	7625	-799	15686	0	15686	1828	17514	50.06
8	3155	461	302	3918	168	4542	0	265	7383	7438	-787	15544	0	15544	1831	17375	50.04
9	3150	271	287	3708	128	4519	0	571	6925	7147	-857	15216	0	15216	1903	17119	50.03
10	3092	298	273	3663	157	4492	0	785	7111	6921	-934	15084	0	15084	1966	17050	50.04
11	2748	301	279	3328	235	4362	0	960	7437	7328	-1034	15179	0	15179	1994	17173	50.10
12	2495	286	276	3057	321	4143	0	1051	8125	8190	-1074	15688	0	15688	1998	17686	49.98
13	2502	198	277	2977	524	3938	0	1034	8229	7882	-1002	15353	0	15353	2022	17375	49.97
14	2504	173	267	2944	756	3785	0	977	8026	7958	-999	15421	0	15421	2037	17458	49.95
15	2503	256	277	3036	759	3806	0	874	7730	7915	-1050	15340	0	15340	2087	17427	50.00
16	2500	176	266	2942	1020	3825	0	662	8117	7951	-995	15405	0	15405	2078	17483	49.95
17	2491	126	269	2886	1106	3840	0	434	7782	7456	-965	14757	0	14757	2003	16760	49.96
18	2481	121	291	2893	1038	3833	0	183	6914	6668	-940	13675	0	13675	1901	15576	50.02
19	2485	137	272	2894	1148	3825	0	14	5932	6037	-948	12970	0	12970	1845	14815	50.00
20	2676	538	282	3496	980	4116	0	0	5560	5587	-868	13311	0	13311	1988	15299	49.87
21	2771	450	285	3506	1053	4226	0	0	5386	5337	-883	13239	0	13239	2050	15289	49.94
22	3003	418	287	3708	942	4414	0	0	5380	5446	-879	13631	0	13631	2116	15747	49.97
23	3095	585	287	3967	914	4504	0	0	5700	5804	-1079	14110	0	14110	2265	16375	49.94
24	3048	871	278	4197	887	4517	0	0	6113	6174	-1207	14568	0	14568	2375	16943	50.02
MUs	68.42	11.27	6.78	86.47	15.56	102.69	0.00	7.88	161.52	161.12	-23.18	350.54	0.00	350.54	48.60	399.14	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 21/Apr/2020

Position as on 6.30 Hrs of 22/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	
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	Nasik Unit 4	210	25/03/2020	19.45		Continued.	Reserve Shut Down.	
IPP	JSW (J) U2	300	26/03/2020	00.13		Continued.	No schedule.	
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	Chandrapur Unit 7	500	28/03/2020	23.56		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Apr/2020

Position as on 6.30 Hrs of 22/Apr/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 5	108	06/04/2020	13.23		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 3	210	10/04/2020	20.30		Continued.	Zero Schedule By MSEDCL	
TPC_G	Trombay 8	250	11/04/2020	16.55		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit-8	660	12/04/2020	00.00		Continued.	Zero schedule.	
MSPGCL	Koradi Unit 9	660	12/04/2020	01.10		Continued.	Zero schedule.	
MSPGCL	Koradi Unit 10	660	12/04/2020	02.01		Continued.	Zero schedule.	
MSPGCL	Khaparkheda Unit 1	210	22/04/2020	20.45		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Khaparkheda Unit 2	210	22/04/2020	21.06		Continued.	Zero Schedule By MSEDCL	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2020

Statement-VII

Position as on 6.30 Hrs of 22/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
Dhule Sar'Sarovar I	InterState	30/03/2020	17.32	21/04/2020	06.20	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	21/04/2020	17.20		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	23/03/2020	18.12		Continued.	HT	Over Voltage
Dhule- Bableshtar - I	IntraState	24/03/2020	20.20		Continued.	HT	Over Voltage
New Koyana - Dabhol-I	IntraState	25/03/2020	18.01		Continued.	T	Over Voltage
Kalwa - Talegaon(PG)	IntraState	28/03/2020	16.47	22/04/2020	12.09	HT	Over Voltage
Padghe - Kalwa-II	IntraState	06/04/2020	00.21	22/04/2020	11.41	HT	Over Voltage
Padghe - Nagothane - II	IntraState	07/04/2020	23.58		Continued.	EO	To attend Hot Spot
karad -kolhapur-I	IntraState	18/04/2020	17.44		Continued.	HT	Over Voltage
Chandrapur - Parli	IntraState	19/04/2020	02.20		Continued.	T	Distance Protection(Tower collapsed at Loc.No.59.60.61)
Chandrapur-II - Nanded ckt II	IntraState	19/04/2020	02.21		Continued.	T	Distance Protection(Tower collapsed at Loc.No.59.60.61)
Babhaleshtar - Padghe-II	IntraState	20/04/2020	09.25		Continued.	PO	Quarterly Maintenance work & Relay Testing, for CVT replacement work (RFC at 21.22 Hrs).
Girwali- Lonikand 2	IntraState	20/04/2020	14.23		Continued.	HT	Controlling loading of Parli Parli (PG D/C line).
Taptitanda Waluj	IntraState	20/04/2020	16.33	22/04/2020	17.05	T	Distance protection LOC no. 398 Y PH string deeping. (Trail Taken ON 14.55hrs Dated 21.04.2020.string broken found at loc 47).
Koradi 2-IEPL	IntraState	21/04/2020	04.13	21/04/2020	22.02	T	Distance Protection
Koradi-Khaparkhedda li	IntraState	21/04/2020	10.11	21/04/2020	16.20	EO	Attending Hot Spot
Karad - Lonikand 1	IntraState	21/04/2020	10.29	21/04/2020	13.14	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	21/04/2020	18.38	22/04/2020	08.19	HT	Over Voltage
Taptitanda Waluj	IntraState	22/04/2020	17.18		Continued.	T	Distance Protection (RFC at 14.08Hrs DT.24-4-20)
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.)
400/220/33 Kv 315 Mva Ict- 2 @Kharghar	IntraState	25/03/2020	13.59		Continued.	EO	CT Tan Delta High(Kept on Humming at 15.52Hrs DT. 24-4-20)
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/03/2020	16.32		Continued.	HT	Maintenance work and ICT out LV side(kept on Humming at 20.10Hrs DT.24-04-20)
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	25/03/2020	17.57		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220/33kv 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
400/220/33 Kv 500 MVA ICT-I @Lonikand 2	IntraState	17/04/2020	13.19		Continued.	PO	Attending Hot Spot
400/220 Kv 500 MVA ICT-IV @Kalwa	IntraState	19/04/2020	11.55		Continued.	HT	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)

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 21/Apr/2020

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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.
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
Khaparkheda-Ambazari-I	IntraState	21/04/2020	08.24	21/04/2020	11.45	PO	Yearly Diagnostic Testing Work.
Bhugaon- Wardha	IntraState	21/04/2020	10.30	21/04/2020	12.38	PO	Attending hot spot at BPH Towards Line Side Isolator.
Khaparkheda-Ambazari-II	IntraState	21/04/2020	11.57	21/04/2020	14.10	PO	Yearly Diagnostic Testing Work.
Gadchandur - Grace	IntraState	22/04/2020	08.55	22/04/2020	12.31	PO	Isolator Alignment work
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
220/110 Kv 200 Mva Vel Ptr 1 @Kolhapur-Ii (Mudshingi)	IntraState	21/04/2020	17.50		Continued.	HT	Over Voltage
220/132 Kv 200 Mva Emco Ict 2 @Ambazari	IntraState	22/04/2020	07.25	22/04/2020	11.46	PO	Testing Work

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