

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	140.766	2723.565	1) Gujrat	0.263	17.069
2) Hydro	9.646	138.238	2) Madhya Pradesh	5.768	114.087
3) Gas	2.870	131.517	3) Chattisgarh	7.810	148.020
Total MSPGCL	153.282	2993.320	4) Maharashtra	146.848	2706.113
B) 1) APML	55.551	1281.800	5) Goa (Amona)	-1.324	-26.820
2) JSWEL	19.088	373.461	Total	159.365	2958.469
3) VIPL	0.000	0.000	a) Mumbai Schedule	18.470	433.403
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	21.862	483.071
5) WPCL	7.939	154.090	c) MSEDCL Bilateral *	33.308	610.231
6) Other IPP	16.901	300.558	Include PX	4.077	15.715
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	18.470	433.403
C) 1) TPCL Thermal	13.995	292.419	Include PX	10.797	262.482
2) TPCL Hydro	2.217	59.947	Standby	0.000	0.000
3) TPCL Gas	3.146	89.452	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.769	168.121	1) MSEDCL	401.705	7968.566
D) STATE			2) Mumbai Discoms	50.988	1093.008
1) Thermal	264.009	5294.014	TOTAL STATE	452.693	9061.574
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	11.863	198.185			
3) Gas (A3+B7+C3)	6.016	220.969			
4) Wind	5.019	253.598			
6) SOLAR	6.422	136.341			
TOTAL STATE	293.329	6103.107			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 15 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6015	5914	5770	5904
MSPGCL Hydro	532	568	940	64
MSPGCL Gas	130	90	90	130
MSPGCL Total Generation	6677	6572	6800	6098
Central Sector Receipt	7965	8152	6257	5772
WIND	88	50	192	258
CPP / IPP Thermal	4492	4357	4561	3403
CPP / IPP Gas	0	0	0	0
SOLAR	931	729	0	0
Exchange with Mumbai	-990	-1162	-826	-829
MSEDCL DEMAND MET	19163	18698	16984	14702
Load Shedding	0	0	0	0
MSEDCL DEMAND	19163	18698	16984	14702
TPCL GENERATION	914	735	1124	554
AEML GENERATION	499	500	499	282
MUMBAI DEMAND	2403	2397	2449	1665
STATE DEMAND MET	21566	21095	19433	16367
STATE DEMAND	21566	21095	19433	16367
Frequency (Hz)	50.03	49.95	50.02	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 22.00 Hrs	49.82 Hz at 16.16 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/Nov/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	13.20	234.85	572	518
Unit 9	12.24	199.67	550	450
Unit 10	0.00	71.95	0	0
Total	25.44	506.47		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.66	196.12	500	280
Unit 5	10.04	175.64	495	280
Total	20.70	371.77		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	8.84	0	0
Unit 7	0.00	0.00	0	0
Unit 8	5.41	101.63	250	198
Total	5.41	110.48		
Chandrapur				
Unit 3	3.99	80.19	172	156
Unit 4	3.58	75.99	155	138
Unit 5	10.13	190.58	435	400
Unit 6	9.85	191.85	420	395
Unit 7	0.00	0.00	0	0
Unit 8	11.32	191.51	475	460
Unit 9	11.22	229.92	486	453
Total	50.09	960.03		
Paras				
Unit 3	5.33	97.02	257	193
Unit 4	5.12	101.77	244	172
Total	10.45	198.79		
Khaparkheda				
Unit 1	3.74	74.57	160	140
Unit 2	3.97	80.41	180	140
Unit 3	0.00	60.50	0	0
Unit 4	4.22	83.49	185	140
Unit 5	10.55	172.16	450	415
Total	22.48	471.13		
Nasik				
Unit 3	3.02	35.28	135	119
Unit 4	3.17	69.62	146	122
Unit 5	0.00	0.00	0	0
Total	6.19	104.90		
Uran				
All Units	2.87	131.52	150	80
Total	2.87	131.52		
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	2.65	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	2.65		
Koyna				
Stage 1-2	3.90	62.04	545	40
Stage 4	2.78	25.09	487	0
Stage 3	1.46	20.03	160	0
Total	8.14	107.16		
Hydro				
KDPH	0.00	2.05	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	3.42	40	0
RNGR+BHTSA	0.35	7.23	15	14
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.93	0	0
SMLHY_PTN	0.09	1.12	4	3
GHATGHAR	0.92	16.22	250	0
Total	1.50	31.08		
Wind				
Total	5.02	253.60	0	0
Total	5.02	253.60		
CPP				
APML(Mus)	55.55	1281.80	0	0
JSWEL(Mus)	19.09	373.46	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	7.94	154.09	0	0
Other(Mus)	16.90	300.56	0	0
Total	99.48	2109.91		
SOLAR				
Total	6.42	136.34	0	0
Total	6.42	136.34		
Tata				
Trombay 5	9.04	196.11	473	277
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.85	56.83	112	64
Trombay 7B	1.30	32.62	66	49
Trombay 8	4.95	96.31	240	138
TATA Hydro	2.22	59.95	310	2
Total	19.36	441.82		
AEML				
DTPS U-1&2	9.77	168.12	501	282
Total	9.77	168.12		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	140.77	2723.56	MSPGCL Total	153.28	2993.32
			MSPGCL Thml+Gas	143.64	2855.08	Koyna 1,2 & 4 Total	6.69	87.13
			MSPGCL Hydro	9.65	138.24	State Total	293.33	6103.11

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Nov/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	5927	69	140	6136	416	3408	0	0	6055	6097	-1110	14947	0	14947	1963	16910	49.99
2	5950	64	140	6154	371	3409	0	0	5997	5849	-1007	14776	0	14776	1841	16617	49.99
3	5919	69	140	6128	339	3427	0	0	5906	5880	-897	14877	0	14877	1736	16613	49.94
4	5904	64	130	6098	258	3403	0	0	5904	5772	-829	14702	0	14702	1665	16367	49.93
5	5905	99	140	6144	197	3633	0	0	5915	6048	-810	15212	0	15212	1647	16859	49.90
6	5918	64	140	6122	132	4239	0	0	6211	5878	-796	15575	0	15575	1708	17283	50.00
7	5986	266	140	6392	123	4398	0	11	6612	6640	-470	17094	0	17094	1745	18839	50.04
8	5996	644	140	6780	138	4478	0	172	6671	6761	-503	17826	0	17826	1821	19647	50.04
9	5980	528	140	6648	85	4608	0	455	6700	6821	-674	17943	0	17943	1991	19934	50.02
10	5989	772	130	6891	83	4618	0	667	6986	6992	-888	18363	0	18363	2221	20584	49.98
11	6015	532	130	6677	88	4492	0	931	7759	7965	-990	19163	0	19163	2403	21566	50.03
12	6018	604	110	6732	51	4501	0	948	8004	7889	-1063	19058	0	19058	2492	21550	50.03
13	6001	522	90	6613	66	4441	0	934	8041	7590	-1073	18571	0	18571	2473	21044	49.99
14	5936	274	80	6290	65	4424	0	850	8088	7871	-1116	18384	0	18384	2372	20756	50.02
15	5914	568	90	6572	50	4357	0	729	8047	8152	-1162	18698	0	18698	2397	21095	49.95
16	5894	812	90	6796	48	4442	0	486	7831	7672	-1058	18386	0	18386	2426	20812	50.00
17	5860	1001	80	6941	90	4561	0	209	6995	7143	-812	18132	0	18132	2383	20515	49.94
18	5829	1053	90	6972	148	4576	0	30	6368	6088	-637	17177	0	17177	2287	19464	49.98
19	5770	940	90	6800	192	4561	0	0	6191	6257	-826	16984	0	16984	2449	19433	50.02
20	5804	281	100	6185	329	4556	0	0	6198	5810	-861	16019	0	16019	2416	18435	50.02
21	5678	152	130	5960	415	4088	0	0	6231	5779	-1071	15171	0	15171	2304	17475	50.01
22	5535	137	130	5802	434	3847	0	0	6180	5939	-1036	14986	0	14986	2175	17161	50.01
23	5528	74	130	5732	433	3602	0	0	6278	6179	-1055	14891	0	14891	2070	16961	50.03
24	5510	57	150	5717	468	3410	0	0	6326	6293	-1118	14770	0	14770	2004	16774	50.00
MUs	140.77	9.65	2.87	153.28	5.02	99.48	0.00	6.42	161.49	159.36	-21.86	401.71	0.00	401.71	50.99	452.69	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/Nov/2020

Position as on 6.30 Hrs of 22/Nov/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koradi Unit 10	660	09/11/2020	01.28		Continued.	Air heater problem(Converted in to Annual Overhaul.From	
MSPGCL	Khaparkhedha Unit 3	210	19/11/2020	23.55		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	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	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	
IPP	RPL(AMT) U-2	270	09/03/2020	20.15		Continued.	Zero Schedule By MSEDCL	
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	
MSPGCL	Chandrapur Unit 7	500	29/09/2020	01.58		Continued.	Tripped On Generator Protection.	
MSPGCL	Parli Unit 7	250	22/10/2020	20.00		Continued.	Zero Schedule By MSEDCL	
IPP	JSW (J) U2	300	01/11/2020	04.44		Continued.	No Schedule	
MSPGCL	Parli Unit 6	250	02/11/2020	23.28		Continued.	Excess DM water consumption.	
MSPGCL	Uran Unit 5	108	20/11/2020	00.28		Continued.	Filter Replacement work	
IPP	Adani U-2	660	20/11/2020	06.23		Continued.	ID Fan Problem	

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

Statement-VII

Position as on 6.30 Hrs of 22/Nov/2020

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	19/10/2020	23.01		Continued.	PO	Abnormal sound from main tank of smoothing reactor at Chandrapur end
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 II	InterState	17/11/2020	17.33	21/11/2020	09.46	HT	Over Voltage
Akola Wardha I	InterState	21/11/2020	06.53	21/11/2020	18.45	PO	Replacement of porcelain insulators with polymer insulators.
Dhule Sar'Sarovar I	InterState	21/11/2020	10.18		Continued.	HT	Over Voltage
Dabhol Nagothane I	InterState	22/11/2020	09.46	22/11/2020	19.22	PO	Cold washing and Faulty string replacement work
Akola Wardha li	InterState	22/11/2020	13.55		Continued.	T	Distance Protection
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).
Khadka-Aurangabad (Waluj)	IntraState	20/11/2020	18.20	21/11/2020	09.14	HT	Over Voltage
Dhule - Bableshtar - II	IntraState	20/11/2020	20.02	21/11/2020	09.23	HT	Over Voltage
New Koyana - Dabhol-I	IntraState	21/11/2020	09.50	21/11/2020	19.40	PO	Cold washing & Faulty string replacement work.
Koradi-Khaperkheda li	IntraState	21/11/2020	11.09	21/11/2020	19.35	PO	Relay testing work.
Parly(MS)- Nanded ckt II	IntraState	21/11/2020	11.14	21/11/2020	21.27	PO	To attend broken conductor strand at loc 33.
Khadka-Aurangabad (Waluj)	IntraState	21/11/2020	17.43	22/11/2020	06.58	HT	Over Voltage
Dhule - Bableshtar - II	IntraState	21/11/2020	18.17	22/11/2020	09.41	HT	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	22/11/2020	14.32	22/11/2020	19.34	PO	To attend broken Conductor Strand
Khadka-Aurangabad (Waluj)	IntraState	22/11/2020	18.50		Continued.	HT	Over Voltage
Dhule - Bableshtar - II	IntraState	22/11/2020	20.13		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
400/220/33 Kv 315 MVA ICT II @Chandrapur GCR	IntraState	18/11/2020	19.25		Continued.	PO	Bursting Of HV Side R-Phase Bushing.
400/220/33 Kv 315 Mva ICT I @ Akola (M)	IntraState	20/11/2020	09.36		Continued.	PO	Tan Delta of Bushing
400/220/33 Kv 315 MVA ICT-I @Aurangabad (Waluj)	IntraState	22/11/2020	18.15		Continued.	T	LV side PDR Operated
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)
Tillari Amona	InterState	02/11/2020	14.30		Continued.	PO	220 kv Amona Bay old CB Replacement (civil,Erection & Commissioning,testing)Work at 220 kv Tillari Switch yard.
EKLAHARE (OCR) Nasik - Navsari I	InterState	14/11/2020	17.19		Continued.	HT	Outage at Navsari end.
Borivali - Tarapur	InterState	22/11/2020	11.16		Continued.	PO	Mid Span Joint work
Borivali(MS) Boisar(PG)	InterState	22/11/2020	11.25		Continued.	PO	Tarapur-Borivali Line Mid Span Joint work

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/Nov/2020

Statement-VII

Position as on 6.30 Hrs of 22/Nov/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kharghar-Borivali ckt II	IntraState	11/08/2020	01.45		Continued.	T	Special Repair Cable work.
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
Karad - Vita Ckt- I	IntraState	20/11/2020	19.03	21/11/2020	18.07	T	Distance Protection
Salsette - Sahara	IntraState	21/11/2020	06.43	21/11/2020	08.30	PO	Project work.
Adlabs - Pedambe	IntraState	21/11/2020	07.55	21/11/2020	19.35	PO	Dismantling of existing inline tower.
Boisar Versova Line	IntraState	21/11/2020	08.39	21/11/2020	16.54	HT	H/T for Load Management.
Kalwa-TIFIL	IntraState	21/11/2020	08.57	21/11/2020	18.37	PO	Safety outage to pull down cable termination of 220KV Kharghar-Borivali-2 line B phase.
Kharghar-Borivali ckt I	IntraState	21/11/2020	09.06	21/11/2020	17.45	PO	Safety outage to pull down cable termination of 220KV Kharghar-Borivali-2 line B phase.
Mahad - Pedambe	IntraState	21/11/2020	09.20	21/11/2020	21.40	PO	For 220KV Kalambani TSS with LILO on pedhambe-Mahad ckt. is ready for test charging. Taking SCADA trials of Kalambani TSS from Mahad S/s & Dismantling of existing inline tower.
Boisar(M) - Ghodbunder	IntraState	21/11/2020	09.27	21/11/2020	16.09	HT	H/T for Load Management.
Talandage(400kv) - Five Star Midc	IntraState	21/11/2020	09.59	21/11/2020	12.12	PO	CB Timing.
Talandge(400)- Mudshingi 2 Line	IntraState	21/11/2020	10.25	21/11/2020	14.41	PO	Line signature analysis of line by tourus kit.
Lonikand1 (400 Kv)-Theur I	IntraState	21/11/2020	10.38	21/11/2020	19.10	PO	Dismantelling of 29C isolator & CT along with support S/ture, Erection of CTs & 29C isolator along with GI support Structure.
Kolshet-Roma	IntraState	21/11/2020	10.44	21/11/2020	14.42	PO	Diagnostic work.
Nashik-Padgha	IntraState	21/11/2020	13.10	21/11/2020	17.29	T	Distance Protection
Lonikand1 (400 Kv)-Theur I	IntraState	22/11/2020	08.28	22/11/2020	15.35	PO	Dismantelling of 29C isolator
New Koyna - Niwali	IntraState	22/11/2020	09.35	22/11/2020	16.14	EO	To attend Hot Spot
220 KV ICT Outages/Trippings							
220/33kV 100 MVA Transformer 2 @Ghodbunder R/S	IntraState	20/11/2020	08.58	21/11/2020	23.30	PO	Isolation of 33KV cables
220/132-110kv 100mva Imp Ptr 2 @Wathar	IntraState	21/11/2020	10.02	21/11/2020	13.42	PO	Diagnostic testing work, 1)C & Tan delta testing of LV CT, 2)IR testing of ICT.LV CT.
220/132-110kv 100mva Imp Ptr 1 @Wathar	IntraState	21/11/2020	14.46	21/11/2020	16.30	PO	Diagnostic testing of LV CT, C & Tan delta test & IR value measurement.

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