

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	79.629	2037.213	1) Gujrat	-0.063	8.680
2) Hydro	7.148	161.812	2) Madhya Pradesh	7.268	129.302
3) Gas	5.511	94.884	3) Chattisgarh	6.450	97.540
Total MSPGCL	92.288	2293.909	4) Maharashtra	110.232	2267.540
B) 1) APLM	28.431	575.798	5) Goa (Amona)	-1.423	-35.546
2) JSWEL	16.095	332.760	Total	122.464	2467.516
3) VIPL	0.000	0.000	a) Mumbai Schedule	25.315	516.115
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	24.351	508.356
5) WPCL	2.588	108.347	c) MSEDCL Bilateral *	26.135	628.032
6) Other IPP	7.964	164.459	Include PX	8.978	85.868
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	25.315	516.115
C) 1) TPCL Thermal	7.196	162.015	Include PX	14.851	305.155
2) TPCL Hydro	6.537	77.745	Standby	0.000	0.000
3) TPCL Gas	2.477	83.190	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.691	100.908	1) MSEDCL	302.894	6507.884
D) STATE			2) Mumbai Discoms	45.252	932.215
1) Thermal	146.594	3481.500	TOTAL STATE	348.146	7440.099
(A1+C1+C4+(B1-B6))					
2) Hydro	13.685	239.557			
(A2+C2)					
3) Gas	7.988	178.074			
(A3+B7+C3)					
4) Wind	53.473	986.242			
6) SOLAR	3.942	87.209			
TOTAL STATE	225.682	4972.582			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3587	3279	3494	3174
MSPGCL Hydro	342	316	589	170
MSPGCL Gas	266	276	270	57
MSPGCL Total Generation	4195	3871	4353	3401
Central Sector Receipt	6575	5033	5120	4398
WIND	2181	2444	2519	1640
CPP / IPP Thermal	2423	2095	2623	2334
CPP / IPP Gas	0	0	0	0
SOLAR	325	538	0	0
Exchange with Mumbai	-1171	-1358	-1038	-783
MSEDCL DEMAND MET	14528	12623	13577	10990
Load Shedding	0	0	0	0
MSEDCL DEMAND	14528	12623	13577	10990
TPCL GENERATION	742	718	772	536
AEML GENERATION	189	189	189	188
MUMBAI DEMAND	2102	2265	1999	1507
STATE DEMAND MET	16630	14888	15576	12497
STATE DEMAND	16630	14888	15576	12497
Frequency (Hz)	50.02	49.97	49.91	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 13.31 Hrs	49.71 Hz at 14.26 Hrs	49.98	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/Aug/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	139.54	0	0
Unit 9	0.00	129.48	0	0
Unit 10	0.00	59.72	0	0
Total	0.00	328.74		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	75.70	0	0
Unit 5	9.22	149.77	450	355
Total	9.22	225.47		
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	29.00	0	0
Unit 4	2.23	72.23	144	0
Unit 5	8.33	177.93	370	305
Unit 6	8.44	144.88	380	295
Unit 7	0.00	44.52	0	0
Unit 8	9.08	161.64	450	4
Unit 9	9.39	199.03	435	330
Total	37.47	829.23		
Paras				
Unit 3	3.82	86.42	199	127
Unit 4	4.24	86.65	201	136
Total	8.06	173.07		
Khaparkheda				
Unit 1	3.32	68.24	155	110
Unit 2	3.92	69.64	185	140
Unit 3	3.92	65.92	185	150
Unit 4	3.74	77.46	170	145
Unit 5	9.99	199.45	460	365
Total	24.88	480.70		
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	5.51	94.88	291	41
Total	5.51	94.88		
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)	1.09	20.38	54	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	1.09	20.38		
Koyna				
Stage 1-2	2.22	52.55	320	40
Stage 4	0.00	17.22	0	0
Stage 3	1.41	40.14	160	0
Total	3.62	109.92		
Hydro				
KDPH	0.86	5.55	36	35
VTRNA	0.00	0.00	0	0
TILLARI	0.26	14.70	58	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.53	8.02	40	0
RNGR+BHTSA	0.00	0.41	0	0
BHANDARDRA	0.34	4.97	15	14
ELDARY	0.50	3.42	21	20
SMLHY_PTN	1.02	14.83	43	42
GHATGHAR	0.00	0.00	0	0
Total	3.53	51.90		
Wind				
Total	53.47	986.24	0	0
Total	53.47	986.24		
CPP				
APML(Mus)	28.43	575.80	0	0
JSWEL(Mus)	16.10	332.76	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	2.59	108.35	0	0
Other(Mus)	7.96	164.46	0	0
Total	55.08	1181.36		
SOLAR				
Total	3.94	87.21	0	0
Total	3.94	87.21		
Tata				
Trombay 5	7.20	162.02	415	275
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.39	52.00	78	52
Trombay 7B	1.08	31.19	54	42
Trombay 8	0.00	0.00	0	0
TATA Hydro	6.54	77.74	387	109
Total	16.21	322.95		
AEML				
DTPS U-1&2	4.69	100.91	252	188
Total	4.69	100.91		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	79.63	2037.21	MSPGCL Total	92.29	2293.91
			MSPGCL Thml+Gas	85.14	2132.10	Koyna 1,2 & 4 Total	2.22	69.77
			MSPGCL Hydro	7.15	161.81	State Total	225.68	4972.58

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Aug/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	3203	165	183	3551	1445	2423	0	0	4814	4685	-888	11216	0	11216	1722	12938	49.99
2	3052	200	89	3341	1595	2323	0	0	4679	4767	-851	11175	0	11175	1628	12803	50.01
3	3199	200	41	3440	1583	2330	0	0	4530	4502	-807	11048	0	11048	1553	12601	49.99
4	3174	170	57	3401	1640	2334	0	0	4611	4398	-783	10990	0	10990	1507	12497	49.97
5	3265	190	94	3549	1709	2400	0	0	4703	4683	-783	11558	0	11558	1495	13053	49.93
6	3384	215	151	3750	1709	2411	0	0	5248	5230	-823	12277	0	12277	1538	13815	49.94
7	3486	374	191	4051	1784	2412	0	12	5916	5904	-657	13506	0	13506	1582	15088	50.00
8	3550	300	262	4112	1900	2429	0	87	6655	6469	-769	14228	0	14228	1716	15944	49.94
9	3575	342	291	4208	2085	2423	0	193	6930	6610	-1073	14446	0	14446	1902	16348	49.94
10	3587	342	266	4195	2181	2423	0	325	6936	6575	-1171	14528	0	14528	2102	16630	50.02
11	3599	337	276	4212	2347	2363	0	392	6516	6195	-1263	14246	0	14246	2237	16483	50.01
12	3258	352	275	3885	2434	2264	0	543	6045	5739	-1325	13540	0	13540	2279	15819	49.99
13	3279	316	276	3871	2444	2095	0	538	5383	5033	-1358	12623	0	12623	2265	14888	49.97
14	3304	284	290	3878	2593	1973	0	543	4898	4580	-1344	12223	0	12223	2212	14435	50.09
15	3322	241	270	3833	2846	1941	0	494	5056	4555	-1244	12425	0	12425	2127	14552	49.92
16	3311	209	290	3810	2732	1963	0	392	4764	4548	-1145	12300	0	12300	2055	14355	49.99
17	3255	458	280	3993	2882	1967	0	278	4352	4449	-1119	12450	0	12450	2020	14470	50.01
18	3204	250	270	3724	2768	2046	0	112	5063	4928	-1055	12523	0	12523	1954	14477	50.01
19	3330	209	290	3829	2686	2228	0	33	5612	5346	-1021	13101	0	13101	1958	15059	49.98
20	3494	589	270	4353	2519	2623	0	0	5185	5120	-1038	13577	0	13577	1999	15576	49.91
21	3441	473	279	4193	2487	2609	0	0	4866	4743	-970	13062	0	13062	1941	15003	49.94
22	3360	320	270	3950	2357	2588	0	0	4577	4532	-962	12465	0	12465	1894	14359	49.99
23	3168	311	280	3759	2340	2380	0	0	4753	4348	-942	11885	0	11885	1814	13699	50.00
24	2829	301	270	3400	2407	2130	0	0	4661	4525	-960	11502	0	11502	1752	13254	49.98
MUs	79.63	7.15	5.51	92.29	53.47	55.08	0.00	3.94	126.75	122.46	-24.35	302.89	0.00	302.89	45.25	348.15	49.98

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/Aug/2020

Position as on 6.30 Hrs of 22/Aug/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	JSW (J) U4	300	20/08/2020	15.57		Continued.	Annual Overhaul	
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	
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	Nasik Unit 4	210	25/03/2020	19.45		Continued.	Reserve Shut Down.(Converted zero schedule from 25.03.2020)	
TPC_G	Trombay 8	250	11/04/2020	16.55		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 7	250	12/05/2020	19.34		Continued.	Zero Schedule.	
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	Parli Unit 8	250	01/06/2020	13.13		Continued.	Zero schedule By MSEDCL	
IPP	Adani U-1	660	03/06/2020	15.02		Continued.	Converted zero schedule from 03.06.2020	
IPP	Adani U-5	660	04/06/2020	12.29		Continued.	Zero Schedule.	

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

Position as on 6.30 Hrs of 22/Aug/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	Adani U-4	660	12/06/2020	10.30		Continued.	Zero Schedule	
AEML	AEML Unit 1	250	27/06/2020	23.55		Continued.	Zero schedule.	
MSPGCL	Chandrapur Unit 7	500	06/08/2020	03.33		Continued.	Sparkling in generator R phase winding.	
MSPGCL	Chandrapur Unit 3	210	11/08/2020	10.00		Continued.	PA Fan problem	
CPP	SWPGL U-4	135	12/08/2020	00.45		Continued.	Zero Schedule by MSEDCL	
CPP	SWPGL U-3	135	12/08/2020	00.45		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Koradi Unit 10	660	13/08/2020	00.08		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit 9	660	14/08/2020	12.28		Continued.	Zero schedule.	
MSPGCL	Koradi Unit-8	660	14/08/2020	13.07		Continued.	Zero schedule.	
MSPGCL	Bhusawal Unit 4	500	15/08/2020	02.21		Continued.	Zero Schedule	
MSPGCL	Chandrapur Unit 4	210	20/08/2020	13.19	21/08/2020	06.08	Turbine Problem	
MSPGCL	Uran Unit A0	120	21/08/2020	01.05	21/08/2020	04.39	Boiler protection	
MSPGCL	Uran Unit 6	108	21/08/2020	01.05	21/08/2020	05.07	CEP tripped	
MSPGCL	Chandrapur Unit-8	500	21/08/2020	23.08		Continued.	Boiler Tube Leakage	

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

Statement-VII

Position as on 6.30 Hrs of 22/Aug/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 II	InterState	30/07/2020	12.45		Continued.	HT	Over Voltage
Padgha - Boisar (PG)	InterState	15/08/2020	04.02		Continued.	T	Over Voltage
Akola Aurangabad(PG) I	InterState	21/08/2020	10.00	21/08/2020	10.23	HT	Removing Line reactor at Aurangabad(PG) end
Akola Aurangabad(PG) I	InterState	21/08/2020	15.05	21/08/2020	17.19	HT	Taking Line reactor in service at PG end and Annual Maint.work
Waluj Aurangabad(PG) II	InterState	21/08/2020	16.52	21/08/2020	21.31	PO	R phase LA Burst at PG end
BABHALESHWAR - RPL(NASHIK) CKT - 1	IntraState	11/06/2020	10.40		Continued.	HT	Over Voltage
Dhule- Bableshwar - I	IntraState	31/07/2020	19.27	21/08/2020	10.26	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	07/08/2020	16.19		Continued.	HT	Over Voltage
Padghe - Nagothane - II	IntraState	07/08/2020	23.23		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	13/08/2020	10.59		Continued.	EO	To attend CB problem
Koradi-Bhusawal	IntraState	14/08/2020	01.09	21/08/2020	11.52	T	Over Voltage
Chandrapur-II - Nanded ckt II	IntraState	15/08/2020	00.40		Continued.	T	Over Voltage
Akola II - RPL(Rattania) Ckt I	IntraState	15/08/2020	11.39		Continued.	T	Over Voltage
karad -kolhapur-I	IntraState	19/08/2020	22.13		Continued.	HT	Over Voltage
Padghe - Kalwa- I	IntraState	20/08/2020	21.15	21/08/2020	08.46	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/08/2020	22.19	21/08/2020	08.43	HT	Over Voltage
Ektuni-Bableshwar ckt II	IntraState	21/08/2020	10.45	21/08/2020	19.45	PO	Faulty Disc Insulator replacement work
Chandrapur - Khaperkheda	IntraState	21/08/2020	16.35		Continued.	T	PDR operated at Chandrapur end DT received at Khaperkheda end
Dhule- Bableshwar - I	IntraState	21/08/2020	20.55	22/08/2020	16.42	HT	Over Voltage
Padghe - Kalwa- I	IntraState	21/08/2020	21.38		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/08/2020	22.10		Continued.	HT	Over Voltage
Kalwa - Talegaon(PG)	IntraState	22/08/2020	02.49	22/08/2020	09.20	T	Over Voltage
Dhule - Bableshwar - II	IntraState	22/08/2020	16.09		Continued.	T	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	10/08/2020	09.58		Continued.	PO	Replacement Of Existing 315 MVA ICT By 3*167 MVA ICT.
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	19/08/2020	22.21		Continued.	HT	Over Voltage
400/220 Kv 500 MVA ICT II @Jejuri	IntraState	22/08/2020	23.05		Continued.	HT	Over Voltage (LV Side).
400/220 Kv 500 MVA ICT-IV @Kalwa	IntraState	22/08/2020	23.48		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)
Kharghar-Borivali ckt II	IntraState	11/08/2020	08.45		Continued.	T	Cable Faulty
Theur-Phursungi	IntraState	14/08/2020	09.46		Continued.	HT	Outage arrangement HTLS work.
Theur- Magar Patta City	IntraState	14/08/2020	10.27		Continued.	HT	Outage arrangement HTLS work.
Lonikand1 (400 Kv)-Theur I	IntraState	14/08/2020	10.38		Continued.	PO	Replacement of Existing 0.4 DEER Conductor, hardware & Insulator to HTLS Conductor.
Ongc Uran - Jnpt	IntraState	14/08/2020	12.07	22/08/2020	10.00	PO	Removal of existing earthwire and

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/Aug/2020

Statement-VII

Position as on 6.30 Hrs of 22/Aug/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							string OPGW.
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
Lonikand2 - Bhosari1	IntraState	21/08/2020	09.33	21/08/2020	19.34	PO	Restranging work
Waluj- Padegaon li	IntraState	21/08/2020	10.18	21/08/2020	23.16	PO	To replace High Tan Delta CTs
BHUGAON WARORA CKT-I	IntraState	22/08/2020	21.49		Continued.	T	BHG--> IY=9.5KA, IB=7.6KA, 18.87KM.Z1.
220 KV ICT Outages/Trippings							
220/33kV 125 MVA Transformer 5 @Versova R/S	IntraState	21/08/2020	09.55	21/08/2020	17.17	PO	Disconnection of Incomer cable
220/132 Kv 200 Mva Bbl lct 1 @Beed	IntraState	21/08/2020	11.00	21/08/2020	16.35	EO	Attending Oil Leakage

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