

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	107.310	2616.582	1) Gujrat	11.687	224.828
2) Hydro	7.631	165.618	2) Madhya Pradesh	2.138	145.418
3) Gas	2.979	123.521	3) Chattisgarh	5.150	95.820
Total MSPGCL	117.920	2905.721	4) Maharashtra	124.714	2810.170
B) 1) APLM	53.507	861.016	5) Goa (Amona)	-0.818	-7.779
2) JSWEL	16.794	369.166	Total	142.871	3268.457
3) VIPL	0.000	0.000	a) Mumbai Schedule	21.249	531.598
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	25.672	588.949
5) WPCL	2.682	54.432	c) MSEDCL Bilateral *	26.793	621.654
6) Other IPP	8.101	157.442	Include PX	2.954	102.943
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	21.249	531.598
C) 1) TPCL Thermal	7.805	170.328	Include PX	14.446	371.619
2) TPCL Hydro	4.125	85.780	Standby	0.000	0.000
3) TPCL Gas	4.368	83.195	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.815	119.933	1) MSEDCL	329.431	7356.682
D) STATE			2) Mumbai Discoms	51.785	1048.184
1) Thermal	206.014	4348.899	TOTAL STATE	381.216	8404.866
(A1+C1+C4+(B1-B6))					
2) Hydro	11.756	251.398			
(A2+C2)					
3) Gas	7.347	206.716			
(A3+B7+C3)					
4) Wind	8.626	215.116			
6) SOLAR	4.602	114.281			
TOTAL STATE	238.345	5136.410			

* 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 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4820	4208	4347	4299
MSPGCL Hydro	204	448	1240	147
MSPGCL Gas	101	128	130	129
MSPGCL Total Generation	5125	4784	5717	4575
Central Sector Receipt	6982	6409	5750	4620
WIND	171	651	607	371
CPP / IPP Thermal	3642	3563	3876	2624
CPP / IPP Gas	0	0	0	0
SOLAR	579	64	0	0
Exchange with Mumbai	-1440	-1273	-787	-863
MSEDCL DEMAND MET	15059	14198	15163	11327
Load Shedding	0	0	0	0
MSEDCL DEMAND	15059	14198	15163	11327
TPCL GENERATION	661	713	1016	482
AEML GENERATION	454	438	500	370
MUMBAI DEMAND	2555	2424	2303	1715
STATE DEMAND MET	17614	16622	17466	13042
STATE DEMAND	17614	16622	17466	13042
Frequency (Hz)	50.02	49.96	50.02	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 07:01 Hrs	49.82 Hz at 09:13 Hrs	50	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/Sep/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	7.19	229.73	373	163
Unit 9	6.01	226.76	310	137
Unit 10	4.34	186.39	270	0
Total	17.54	642.88		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	170.22	0	0
Unit 5	9.34	201.57	445	350
Total	9.34	371.79		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	19.70	0	0
Unit 7	0.00	30.40	0	0
Unit 8	0.00	64.10	0	0
Total	0.00	114.20		
Chandrapur				
Unit 3	3.56	81.07	160	132
Unit 4	3.58	53.39	155	131
Unit 5	9.14	196.04	420	365
Unit 6	8.72	57.81	403	335
Unit 7	0.00	0.00	0	0
Unit 8	10.34	213.64	460	360
Unit 9	10.28	208.42	465	360
Total	45.62	810.38		
Paras				
Unit 3	4.42	89.90	222	129
Unit 4	4.76	85.98	212	182
Total	9.18	175.88		
Khaparkheda				
Unit 1	3.71	70.31	165	140
Unit 2	4.08	66.72	180	160
Unit 3	3.76	78.81	165	150
Unit 4	4.18	80.13	190	158
Unit 5	9.91	205.49	470	360
Total	25.62	501.46		
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	2.98	123.52	153	87
Total	2.98	123.52		
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)	1.17	25.36	52	8

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	1.17	25.36		
Koyna				
Stage 1-2	2.16	55.76	475	40
Stage 4	1.03	41.97	486	0
Stage 3	1.15	24.03	160	0
Total	4.34	121.75		
Hydro				
KDPH	0.00	0.50	0	0
VTRNA	0.54	2.62	61	0
TILLARI	0.56	6.88	58	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.43	7.34	60	0
RNGR+BHTSA	0.00	0.00	0	0
BHANDARDRA	0.13	2.94	9	0
ELDARY	0.50	10.76	21	20
SMLHY_PTN	0.27	7.95	12	11
GHATGHAR	0.85	4.87	250	0
Total	3.29	43.86		
Wind				
Total	8.63	215.12	0	0
Total	8.63	215.12		
CPP				
APML(Mus)	53.51	861.02	0	0
JSWEL(Mus)	16.79	369.17	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	2.68	54.43	0	0
Other(Mus)	8.10	157.44	0	0
Total	81.08	1442.06		
SOLAR				
Total	4.60	114.28	0	0
Total	4.60	114.28		
Tata				
Trombay 5	7.80	170.33	384	290
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.80	52.13	118	114
Trombay 7B	1.57	31.06	67	64
Trombay 8	0.00	0.00	0	0
TATA Hydro	4.12	85.78	458	3
Total	16.30	339.30		
AEML				
DTPS U-1&2	9.82	119.93	500	369
Total	9.82	119.93		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	107.31	2616.58	MSPGCL Total	117.92	2905.72
			MSPGCL Thml+Gas	110.29	2740.10	Koyna 1,2 & 4 Total	3.19	97.73
			MSPGCL Hydro	7.63	165.62	State Total	238.34	5136.41

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Sep/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	4264	153	153	4570	439	3028	0	0	5125	5311	-996	12352	0	12352	1929	14281	49.96
2	4274	183	139	4596	425	3034	0	0	4911	5208	-958	12305	0	12305	1812	14117	49.99
3	4299	147	129	4575	371	2624	0	0	5104	4620	-863	11327	0	11327	1715	13042	50.01
4	4337	87	129	4553	339	3013	0	0	5072	4824	-801	11928	0	11928	1649	13577	50.01
5	4358	87	139	4584	329	2963	0	0	5039	5097	-772	12201	0	12201	1617	13818	49.98
6	4690	92	130	4912	339	3155	0	0	5318	5458	-814	13050	0	13050	1658	14708	49.99
7	4830	321	129	5280	258	3606	0	14	5631	5495	-707	13946	0	13946	1712	15658	49.96
8	4882	258	140	5280	196	3666	0	134	6152	6340	-800	14816	0	14816	1862	16678	50.04
9	4825	260	129	5214	146	3583	0	333	6458	6671	-1028	14919	0	14919	2095	17014	50.01
10	4860	260	128	5248	137	3562	0	470	6866	6868	-1265	15020	0	15020	2377	17397	49.93
11	4820	204	101	5125	171	3642	0	579	7082	6982	-1440	15059	0	15059	2555	17614	50.02
12	4651	140	88	4879	205	3388	0	637	7261	6833	-1505	14437	0	14437	2621	17058	50.04
13	4484	112	87	4683	145	3093	0	480	7106	6919	-1471	13849	0	13849	2604	16453	50.02
14	4499	93	88	4680	210	3086	0	641	6884	6673	-1441	13849	0	13849	2540	16389	50.00
15	4363	115	96	4574	253	3161	0	637	6855	6621	-1444	13802	0	13802	2542	16344	49.95
16	4304	136	117	4557	384	3217	0	411	6703	6654	-1426	13797	0	13797	2526	16323	49.99
17	4243	231	127	4601	456	3289	0	198	6499	6476	-1338	13682	0	13682	2449	16131	49.98
18	4208	448	128	4784	651	3563	0	64	6304	6409	-1273	14198	0	14198	2424	16622	49.96
19	4168	1406	140	5714	548	3763	0	2	6017	5973	-973	15027	0	15027	2380	17407	49.96
20	4347	1240	130	5717	607	3876	0	0	5740	5750	-787	15163	0	15163	2303	17466	50.02
21	4387	634	131	5152	548	3873	0	0	5354	5527	-878	14222	0	14222	2180	16402	50.03
22	4368	531	141	5040	554	3851	0	0	5140	5406	-856	13995	0	13995	2111	16106	50.02
23	4409	305	130	4844	457	3716	0	0	5452	5340	-906	13451	0	13451	2086	15537	50.00
24	4440	188	130	4758	458	3332	0	0	5523	5416	-930	13034	0	13034	2038	15072	50.01
MUs	107.31	7.63	2.98	117.92	8.63	81.08	0.00	4.60	143.60	142.87	-25.67	329.43	0.00	329.43	51.78	381.21	50.00

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/Sep/2020

Position as on 6.30 Hrs of 22/Sep/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	
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	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	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	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	06/08/2020	03.33		Continued.	Sparkling in generator R phase winding.	
CPP	SWPGL U-3	135	12/08/2020	00.45		Continued.	Zero Schedule by MSEDCL	
CPP	SWPGL U-4	135	12/08/2020	00.45		Continued.	Zero Schedule by MSEDCL	
IPP	Adani U-2	660	01/09/2020	19.41		Continued.	Air pre-heater PA Bellow leakage.	
IPP	JSW (J) U3	300	09/09/2020	10.56		Continued.	CW Duct leakage	
MSPGCL	Parli Unit 6	250	11/09/2020	23.55		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 7	250	14/09/2020	00.00		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 8	250	14/09/2020	20.45		Continued.	Zero Schedule.	
MSPGCL	Koyna STG- IV Unit - 1	250	20/09/2020	12.00		Continued.	CT Maintenance Work.	

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

Position as on 6.30 Hrs of 22/Sep/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 4	500	20/09/2020	20.14		Continued.	Zero Schedule by MSEDCL.	
MSPGCL	Uran Unit 6	108	21/09/2020	00.14		Continued.	For Boiler RLA Work & Validity Extension.	
MSPGCL	Uran Unit A0	120	21/09/2020	10.09	21/09/2020	14.33	Generator protection	
MSPGCL	Koradi Unit 10	660	21/09/2020	17.33		Continued.	Converter Belt Problem.	

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

Statement-VII

Position as on 6.30 Hrs of 22/Sep/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Ektuni - Akola II Ckt I	IntraState	21/09/2020	08.12	21/09/2020	18.11	EO	For Stringing Works Related To Line Crossing of 400 Kv DC Wardha-Aurangabad lines over 765 Kv Akola-Ektuni.
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	21/09/2020	23.46	22/09/2020	00.12	PO	Shifting From BUS 1 To BUS 2.
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 Khandwa I	InterState	12/09/2020	01.05		Continued.	HT	Over Voltage
Chandrapur Bhadravati III	InterState	21/09/2020	03.26		Continued.	PO	1) For replacement of old damaged quadruple bus conductor of Main Bus-I in ICT-2 and 400KV Bus Coupler bay section span. 2)Tightening of nut bolts & hardware of Main Bus-I.
Chandrapur Bhadravati IV	InterState	21/09/2020	04.27		Continued.	PO	1) For replacement of old damaged quadruple bus conductor of Main Bus-I in ICT-2 and 400KV Bus Coupler bay section span. 2)Tightening of nut bolts & hardware of Main Bus-I.
Akola II - RPL(Rattanindia) Ckt I	IntraState	13/09/2020	17.56		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	16/09/2020	23.34		Continued.	HT	Over Voltage
Dhule- Bableshwar - I	IntraState	17/09/2020	17.51	21/09/2020	11.57	HT	Over Voltage
Padghe - Nagothane - I	IntraState	18/09/2020	21.47		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/09/2020	17.32		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	20/09/2020	02.12	21/09/2020	10.59	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/09/2020	19.34		Continued.	HT	Over Voltage (CVT Problem).
Padghe - Kalwa- I	IntraState	20/09/2020	21.42	21/09/2020	08.16	HT	Over Voltage
karad -kolhapur-I	IntraState	21/09/2020	11.43		Continued.	EO	Attending Hot Spot (RFC 14.08).
Dhule- Bableshwar - I	IntraState	21/09/2020	21.54		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.
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)
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.
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(400kv) -Nigade	IntraState	17/09/2020	09.38		Continued.	PO	Construction 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/Sep/2020

Statement-VII

Position as on 6.30 Hrs of 22/Sep/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Uran - Jnpt	IntraState	18/09/2020	13.07		Continued.	PO	Removal of existing E/W and string of OPGW wire
Vankuswade - Kdph	IntraState	21/09/2020	09.30	21/09/2020	17.30	PO	Replacement of Long Rod Polymer insulator strings near Vankuswade SS from Loc. No.48 to 53 Vankuswade LLO portion.
Koradi-Khaperkheda	IntraState	21/09/2020	09.37	21/09/2020	14.01	PO	Testing & Maintenance Work.
Hingoli- Girawali	IntraState	21/09/2020	10.18	21/09/2020	12.54	EO	Attending Hot Spot
Kharepatan -Pawas Line	IntraState	21/09/2020	10.25	21/09/2020	16.00	PO	For attending mal-operation of 245kV CB of 220kV Kharepatan - Pawas line at Kharepatan S/s end.
BOTHE - PHALTAN MIDC	IntraState	21/09/2020	10.40	21/09/2020	18.26	PO	Diagnostic testing of Equipment's at 220KV Swaraj Co-gen switch yard.
Mudshingi-Wathar	IntraState	21/09/2020	10.44	21/09/2020	13.45	EO	Diagnostic Testing Work.
Chikhli-Jalna-II	IntraState	21/09/2020	11.15	21/09/2020	18.25	PO	Routine Maintenance Work
GIS Bhandup - Borivali	IntraState	21/09/2020	11.44	21/09/2020	18.05	PO	Back-Up Relay replacement work.
Nagothane-Wadkhal-I	IntraState	21/09/2020	12.37	21/09/2020	16.52	EO	Relay Panel Works.
Jejuri-Phursungi ckt-1	IntraState	21/09/2020	16.03	21/09/2020	21.09	EO	For Erection & Commissioning Of R & Y Phase CC At Jejuri.
Adlabs - Pedambe	IntraState	21/09/2020	18.30		Continued.	T	Distance Protection
Padghe - Jindal	IntraState	21/09/2020	20.38	22/09/2020	07.14	T	Fire On Wave Trap.
Parli 3 (Old Gcr)-Girwali Ckt 2	IntraState	21/09/2020	21.58	22/09/2020	02.17	EO	Hot Spot On B PH Jumper At LOC 1.
220 KV ICT Outages/Trippings							
220/132 Kv 200mva Kanohar Ict 3 @Bale (Solapur 2)	IntraState	21/09/2020	10.20	21/09/2020	13.16	PO	Outage is required for CTR fire protection maintenance work.
220/33kV 125 MVA Transformer 2 @Chembur R/S	IntraState	21/09/2020	10.29	21/09/2020	18.07	PO	Commissioning of 33kV Auto-Restoration Scheme under MERC approved Chembur 2nd Feed DPR.
220/132 kV 100MVA ICT I @ Balapur	IntraState	21/09/2020	10.35	21/09/2020	16.25	PO	Maintenance Of NIFP System & Trials there of By M/S CTR LTD Nashik.
220/100 Kv 100 Mva Cgl Ict 1 @Taloja	IntraState	21/09/2020	11.20	21/09/2020	12.35	EO	Attending Hot Spot

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