

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Aug/2023 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	119.193	2430.495	1) Gujrat	12.123	231.169
2) Hydro	19.177	307.753	2) Madhya Pradesh	7.850	141.525
3) Gas	4.447	15.911	3) Chattisgarh	2.610	33.290
Total MSPGCL	142.817	2754.159	4) Maharashtra	194.539	3096.636
B) 1) APML	44.353	1031.751	5) Goa (Amona)	-1.606	-30.405
2) JSWEL	21.628	286.841	Total	215.516	3472.215
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.909	600.110
4) RPL(AMT)	25.059	516.117	b) Mumbai Drawl	33.911	671.221
5) SWPGPL	11.138	176.315	c) MSEDCL Bilateral *	108.261	1757.474
6) Other IPP	7.207	111.573	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.909	600.099
C) 1) TPCL Thermal	12.465	222.974	Include PX	0.000	0.000
2) TPCL Hydro	6.201	106.207	Standby	0.000	0.011
3) TPCL Gas	3.309	55.557	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.302	178.981	1) MSEDCL	464.030	8536.592
D) STATE			2) Mumbai Discoms	66.188	1234.940
1) Thermal	251.345	4955.047	3) Other Discoms	10.107	189.769
(A1+C1+C4+(B1-B6))			TOTAL STATE	540.325	9961.301
2) Hydro (A2+C2)	25.378	413.960			
3) Gas (A3+B7+C3)	7.756	71.468			
4) Wind	35.602	838.862			
6) SOLAR	4.728	209.749			
TOTAL STATE	324.809	6489.086			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	4842	4886	4891	4849
MSPGCL Hydro	726	202	1661	1430
MSPGCL Gas	183	185	185	188
MSPGCL Total Generation	5751	5273	6737	6467
Central Sector Receipt	11508	11249	8050	6410
WIND	1505	1343	1652	1298
CPP / IPP Thermal	4568	4546	4536	4501
CPP / IPP Gas	0	0	0	0
SOLAR	563	670	0	0
Exchange with Mumbai	-2109	-2269	-1304	-1039
MSEDCL DEMAND MET	21327	20381	19200	17209
Load Shedding	0	0	461	0
MSEDCL DEMAND	21327	20381	19661	17209
TPCL GENERATION	742	572	1242	1165
AEML GENERATION	376	346	494	499
MUMBAI DEMAND	3227	3187	3040	2703
OTHER DISCOM DEMAND	459	431	471	428
STATE DEMAND MET	25013	23999	22711	20340
STATE DEMAND	25013	23999	23172	20340
Frequency (Hz)	50.02	49.91	50.00	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.24 Hz at 16.05 Hrs	49.81 Hz at 12.34 Hrs	50.02	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Daily and Progressive Generation,Maximum,Minimum for 19/Aug/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.76	59.80	145	90
Unit 8	0.00	218.98	0	0
Unit 9	12.45	233.67	550	480
Unit 10	0.00	0.00	0	0
Total	15.21	512.46		
Bhusawal				
Unit 3	3.26	58.01	140	130
Unit 4	10.70	141.87	455	420
Unit 5	10.70	167.98	465	415
Total	24.66	367.86		
Parli				
Unit 6	5.66	53.54	250	205
Unit 7	5.42	52.79	248	173
Unit 8	3.75	49.56	165	148
Total	14.83	155.88		
Chandrapur				
Unit 3	2.59	56.52	136	69
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	102.86	0	0
Unit 7	6.43	136.56	314	237
Unit 8	10.92	195.86	480	381
Unit 9	11.22	195.17	490	392
Total	31.17	686.97		
Paras				
Unit 3	0.52	72.91	205	0
Unit 4	5.12	86.18	224	193
Total	5.64	159.09		
Khaparkheda				
Unit 1	3.04	41.46	160	90
Unit 2	2.86	50.64	129	107
Unit 3	1.67	68.47	174	0
Unit 4	4.01	74.29	187	145
Unit 5	8.94	182.31	445	290
Total	20.51	417.17		
Nasik				
Unit 3	0.00	46.24	0	0
Unit 4	3.65	52.84	165	138
Unit 5	3.52	31.97	158	127
Total	7.17	131.06		
Uran				
All Units	4.45	15.91	189	180
Total	4.45	15.91		
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)	0.82	16.25	52	0
Total	0.82	16.25		
Koyna				
Stage 1-2	3.32	58.53	385	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	7.93	93.55	754	0
Stage 3	2.54	37.15	240	0
Total	13.79	189.23		
Hydro				
KDPH	0.00	7.15	0	0
VTRNA	0.00	0.61	0	0
TILLARI	0.00	1.62	0	0
BHIRA T.R.	0.47	8.48	80	0
SMLHY_PTN	3.65	78.65	161	143
GHATGHAR	0.45	5.76	125	0
Total	4.57	102.28		
Wind				
Total	35.60	838.86	0	0
Total	35.60	838.86		
CPP				
APML(Mus)	44.35	1031.75	0	0
JSWEL(Mus)	21.63	286.84	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.06	516.12	0	0
SWPGPL-Mus	11.14	176.32	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.12	92.31	265	229
Other(Mus)	1.08	19.26	0	0
Total	109.38	2122.60		
SOLAR				
Total	4.73	209.75	0	0
Total	4.73	209.75		
Tata				
Trombay 5	8.23	147.29	451	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.02	33.04	108	39
Trombay 7B	1.29	22.51	64	33
TATA Hydro	6.20	106.21	402	93
Trombay 8	4.24	75.68	224	129
Total	21.98	384.74		
AEML				
DTPS U-1&2	10.30	178.98	499	326
Total	10.30	178.98		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	119.19	2430.50	MSPGCL Total	142.82	2754.16
			MSPGCL Thml+Gas	123.64	2446.41	Koyna 1,2 & 4 Total	11.25	152.08
			MSPGCL Hydro	19.18	307.75	State Total	324.81	6489.09

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/Aug/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planned	*Transmission Constraint					
1	5095	822	187	6104	1238	4686	0	0	7072	7035	-959	17727	0	0	17727	2594	376	20698	49.98
2	5139	444	187	5770	1494	4689	0	0	7097	6977	-784	17785	0	0	17785	2416	361	20562	50.03
3	5186	276	187	5649	1526	4682	0	0	7115	7212	-717	18012	0	0	18012	2274	340	20626	50.02
4	5176	227	188	5591	1497	4621	0	0	7769	7744	-979	18145	0	0	18145	2165	329	20639	50.04
5	5104	366	187	5657	1428	4624	0	0	8105	8267	-945	18674	0	0	18674	2150	357	21181	50.04
6	5041	1109	189	6339	1384	4619	0	0	8547	8432	-886	19502	0	0	19502	2239	386	22127	50.05
7	5034	1456	188	6678	1289	4594	0	18	8880	8918	-738	20346	0	0	20346	2327	413	23086	50.01
8	5006	1062	187	6255	1226	4578	0	144	9962	10048	-1088	20741	0	2	20741	2452	422	23615	50.05
9	4962	1008	184	6154	1331	4534	0	282	10473	10577	-1590	20856	0	8	20856	2703	432	23991	50.04
10	4868	1025	184	6077	1441	4562	0	416	11182	11097	-1924	21215	0	8	21215	3001	455	24670	50.02
11	4842	726	183	5751	1505	4568	0	563	11797	11508	-2109	21327	0	3	21327	3227	459	25013	50.02
12	4831	193	183	5207	1378	4574	0	667	12062	11867	-2178	21090	0	0	21090	3246	425	24761	49.98
13	4886	202	185	5273	1343	4546	0	670	11454	11249	-2269	20381	0	0	20381	3187	431	23999	49.91
14	4828	191	184	5203	1554	4421	0	598	11168	11000	-2166	20195	0	0	20195	3059	415	23669	49.99
15	4935	200	180	5315	1621	4531	0	501	11192	10509	-2002	20044	0	0	20044	3045	431	23520	49.95
16	4963	225	184	5372	1776	4369	0	432	10881	10454	-1825	20134	0	0	20134	2982	444	23560	50.02
17	4897	239	182	5318	1853	4495	0	299	9998	9783	-1745	19558	0	0	19558	2943	445	22946	50.07
18	4848	904	183	5935	1677	4558	0	122	8993	8841	-1649	19030	0	0	19030	2919	454	22403	50.04
19	4895	1489	183	6567	1763	4628	0	16	8695	8293	-1477	19316	0	0	19316	2985	474	22775	50.00
20	4891	1661	185	6737	1652	4536	0	0	8195	8050	-1304	19200	461	0	19661	3040	471	23172	50.00
21	4952	1048	186	6186	1511	4481	0	0	7960	7701	-1265	18157	43	0	18200	2953	457	21610	50.03
22	5002	1480	186	6668	1448	4506	0	0	7116	6905	-1194	17878	0	0	17878	2835	455	21168	50.04
23	4963	1394	187	6544	1369	4482	0	0	6858	6639	-1079	17507	0	0	17507	2743	448	20698	50.04
24	4849	1430	188	6467	1298	4501	0	0	6799	6410	-1039	17209	0	0	17209	2703	428	20340	50.02
MUs	119.19	19.18	4.45	142.82	35.60	109.38	0.00	4.73	219.37	215.52	-33.91	464.03	0.50	0.02	464.53	66.19	10.11	540.83	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.

*Load Shedding due to Transmission Constraint :-

- 1) 220KV Jejuri-Lonand line overload.
- 2) Load management at Shirwal s/stn.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Aug/2023

Position as on 6.30 Hrs of 20/Aug/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
MSPGCL	Koradi Unit-10	660	11/07/2023	00:45		Continued.	Capital Overhaul.	27/08/2023
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	23/09/2023
MSPGCL	Chandrapur Unit 4	210	27/07/2023	03:00		Continued.	OVERHAUL	31/08/2023
IPP	Adani U-4	660	12/08/2023	23:44		Continued.	Annual Overhaul	05/09/2023
FORCED OUTAGE								
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	01/04/2024
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	01/05/2024
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	08/11/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	25/08/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhaul.	05/10/2023
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	COH (Hot spot on Stator).	13/09/2023
MSPGCL	Koyna STG-IV Unit-1	250	05/06/2023	16:30		Continued.	Annual Overhaul	18/09/2023
MSPGCL	Uran Unit B0	120	24/06/2023	19:01		Continued.	On RR end bearing high vibrations	25/08/2023
IPP	JSW (J) U1	300	02/08/2023	06:42		Continued.	Condenser cooling water problem heavy leakage	29/08/2023
MSPGCL	Koyna Unit 7	80	13/08/2023	09:00		Continued.	Spherical Valve maintenance	02/09/2023
MSPGCL	Nasik Unit 3	210	13/08/2023	16:00		Continued.	Boiler Tube Leakage (Tolling from 15:00 hrs on Dt 14.08.2023.)	
MSPGCL	Chandrapur Unit 6	500	14/08/2023	06:30	20/08/2023	00:20	BTL	19/08/2023
MSPGCL	Paras Unit 3	250	16/08/2023	10:48	19/08/2023	20:22	Boiler Tube Leakage	19/08/2023
IPP	Adani U-2	660	17/08/2023	14:30	20/08/2023	05:11	APH A Hot PA bellow leakage.	21/08/2023
MSPGCL	Koradi Unit 8	660	17/08/2023	16:20		Continued.	Boiler Tube Leakage	24/08/2023
MSPGCL	Uran Unit 8	108	17/08/2023	23:17		Continued.	Gas shortage	
IPP	RPL(AMT) U-1	270	18/08/2023	22:45		Continued.	Bottom Ash Evacuation Problem.	21/08/2023
MSPGCL	Khaparkhedda Unit 3	210	19/08/2023	11:11	20/08/2023	17:54	Boiler Tube Leakage	21/08/2023
IPP	SWPGPL U-2	135	19/08/2023	19:02	20/08/2023	19:39	Generator protection operated	20/08/2023

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Aug/2023

Statement-VII

Position as on 6.30 Hrs of 20/Aug/2023

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							
AKOLA II - EKTUNI CKT - 1	IntraState	20/08/2023	16:57	20/08/2023	22:13	PO	As per grid guideline, Line outage required with Line Reactor for spare reactor changeover at Ektuni SS. Non-switchable Reactor at Ektuni SS Last changeover date-25.07.2022
765 KV BUSBAR Outages/Trippings							
MAIN BUS - 2 @ EKTUNI	IntraState	18/08/2023	10:11	19/08/2023	17:09	EO	Emergency Outage to attend visual hot-spot of 402-89B R-phase Isolator (Towards Bus) at 765KV Ektuni
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	19/08/2023	09:38	19/08/2023	22:05	PO	Replacement of connecting jumper of capacitor bank at Pole-1 base filter due to aging effect
400 KV TBC Outages/Trippings							
TBC @ NAGOTHANE	IntraState	18/08/2023	11:02			PO	CB replacement work
400 KV MAINBAY Outages/Trippings							
MAIN BAY (413) OF BUS REACTOR - 1@TIRORA	IntraState	20/08/2023	09:46	20/08/2023	12:57	PO	CT oil sample collection for DGA
400 KV LINE Outages/Trippings							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
DHULE - SSNNL CKT - 2	InterState	19/08/2023	17:55	19/08/2023	21:31	T	LBB Protection operated at SSNNL End
DHULE - SSNNL CKT - 1	InterState	19/08/2023	17:55	19/08/2023	19:22	T	LBB Protection operated at SSNNL End
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
KALWA - TALEGAON (PG)	InterState	19/08/2023	23:19	20/08/2023	15:06	PO	For bunching in between locations no. 153-154 for erection of newly proposed 2 nos. of Towers in between location no 195 to 197. The 400kv Kalwa- Talegaon line will be taken in service by temporary rerouting in between location no. 153 to 154 for 15 days.
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of $\Delta Y \Delta$ phase Protection CT Of NTPP I (RPL 1)
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	05/08/2023	10:07			HT	TO CONTROL LINE LOADING OF PUNE GIS
KHADKA-AURANGABAD (WALUJ)	IntraState	18/08/2023	20:04	19/08/2023	10:02	HT	H/T due to O/V
KALWA - KHARGHAR	IntraState	19/08/2023	23:43	20/08/2023	14:57	PO	For bunching in between locations no. 153-154 for erection of newly proposed 2 nos. of Towers in between location no 195 to 197. The 400kv Kalwa- Talegaon line will be taken in service by temporary rerouting in between location no. 153 to 154 for 15 days.
400 KV ICT Outages/Trippings							
STATION TF No 3 @ CHANDRAPUR GCR	IntraState	01/03/2023	15:07			PO	1) Oil filtration work 2) Testing of Station transformer 3) Preventive maintenance work.
220 KV MAINBAY Outages/Trippings							

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Aug/2023

Statement-VII

Position as on 6.30 Hrs of 20/Aug/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
BUS COUPLER @ SALSETTE	IntraState	19/08/2023	00:34	19/08/2023	01:57	PO	Protection testing
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - PADGHE	IntraState	22/07/2023	21:09			HT	As per usual practice line is H/T
AAREY - AEML BORIVALI	IntraState	06/08/2023	18:20			PO	Shifting of 220kV AIS Bay No 9 to New GIS Bay No 18.
AAREY - MSETCL BORIVALI CKT - 2	IntraState	15/08/2023	06:02			T	Tripped on Distance Protection
GOREGAON - AAREY CKT - 2	IntraState	19/08/2023	07:13			PO	Outage proposed for bunching of 220kV Aarey-AEML Borivali Line (which is under outage) with 220kV Aarey-Goregaon Line-2. Work to be executed under MERC approved Aarey AIS to GIS project conversion scheme.
220KV KARJAT-AHMEDNAGAR-CKT-1	IntraState	19/08/2023	11:28	19/08/2023	13:24	PO	: Replacement of R ph Flashover String At Loc no 31 observed during Vertical Patrolling.
TIFIL - KALWA	IntraState	19/08/2023	17:43	19/08/2023	21:10	HT	Emergency outage for T formation with 220 Kv Pawane ss
KHARGHAR - BORIVALI CKT - 2	IntraState	19/08/2023	17:45	19/08/2023	20:24	HT	Emergency outage availed for safety purpose for T formation with 220 KV PAWANE SS
KHARGHAR - NET MAGIC GIS	IntraState	19/08/2023	18:10	19/08/2023	20:37	HT	Emergency outage availed for safety purpose for T formation with 220 KV PAWANE SS
KALWA - TFIPL	IntraState	20/08/2023	12:20	20/08/2023	13:09	T	DT received at Kalwa end.
BUS SECTION BREAKER-3 @ TROMBAY	IntraState	20/08/2023	15:47	20/08/2023	16:16	PO	SF6 GAS FILLING
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/22-22 KV 100 MVA PTR 2 @ PARVATI	IntraState	17/08/2023	14:40	19/08/2023	21:15	PO	EHV CB overhauling work
220/33kV 50MVA TF-2 @ KOPARGAON	IntraState	19/08/2023	10:17	19/08/2023	14:35	PO	For inspection and attending problem of OLTC
220/132 KV 200 MVA ICT 2 @ AHMEDNAGAR	IntraState	19/08/2023	10:24	19/08/2023	18:10	PO	For replacing OTI & WTI.
220/132KV 200MVA ICT 5 @ EKLAHARE (OCR)	IntraState	19/08/2023	10:27	19/08/2023	14:01	PO	CTR Maintenance work.
220 KV BUSBAR Outages/Trippings							
220KV AUXILLARY BUS @ BAMBHORI	IntraState	26/07/2023	15:03			T	Avoid mal operation of Aux bus zone, Blocking of busbar relay for aux bus zone is required.
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57	20/08/2023	10:54	HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage