

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Oct/2023 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	157.281	3222.586	1) Gujrat	5.123	194.838
2) Hydro	9.474	365.427	2) Madhya Pradesh	6.872	137.619
3) Gas	6.814	126.100	3) Chattisgarh	7.020	96.230
Total MSPGCL	173.569	3714.113	4) Maharashtra	246.366	4284.940
B) 1) APLM	61.461	1337.955	5) Goa (Amona)	-1.972	-34.531
2) JSWEL	28.138	545.901	Total	263.409	4679.096
3) VIPL	0.000	0.000	a) Mumbai Schedule	43.612	769.644
4) RPL(AMT)	24.937	548.220	b) Mumbai Drawl	47.412	857.921
5) SWPGPL	6.343	159.666	c) MSEDCL Bilateral *	136.304	2084.363
6) Other IPP	9.586	118.272	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	43.599	768.416
C) 1) TPCL Thermal	10.382	284.678	Include PX	0.000	0.000
2) TPCL Hydro	3.097	99.967	Standby	0.013	1.229
3) TPCL Gas	1.589	44.903	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.267	211.033	1) MSEDCL	532.350	10513.166
D) STATE			2) Mumbai Discoms	72.747	1498.502
1) Thermal	308.395	6428.311	3) Other Discoms	10.463	217.104
(A1+C1+C4+(B1-B6))			TOTAL STATE	615.560	12228.772
2) Hydro	12.571	465.394			
3) Gas	8.403	171.003			
4) Wind	8.231	161.838			
6) SOLAR	14.551	323.130			
TOTAL STATE	352.151	7549.676			

* 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 16 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	6613	6575	6716	6658
MSPGCL Hydro	588	566	1047	346
MSPGCL Gas	282	273	279	289
MSPGCL Total Generation	7483	7414	8042	7293
Central Sector Receipt	11566	12090	10378	10076
WIND	260	171	290	480
CPP / IPP Thermal	5060	5755	6119	5235
CPP / IPP Gas	0	0	0	0
SOLAR	1955	1141	0	0
Exchange with Mumbai	-2323	-2436	-1814	-2010
MSEDCL DEMAND MET	23538	23658	22536	20614
Load Shedding	0	0	0	0
MSEDCL DEMAND	23538	23658	22536	20614
TPCL GENERATION	539	579	1158	548
AEML GENERATION	461	501	445	425
MUMBAI DEMAND	3323	3516	3417	2983
OTHER DISCOM DEMAND	463	477	479	460
STATE DEMAND MET	27324	27651	26432	24057
STATE DEMAND	27324	27651	26432	24057
Frequency (Hz)	50.02	50.01	50.02	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.2 Hz at 17.03 Hrs	49.77 Hz at 14.25 Hrs	50	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 21/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.33	84.52	190	170
Unit 8	0.00	209.26	0	0
Unit 9	14.84	278.04	660	562
Unit 10	14.31	215.52	618	555
Total	33.48	787.33		
Bhusawal				
Unit 3	2.76	61.14	125	105
Unit 4	9.34	175.54	430	290
Unit 5	10.00	184.82	470	295
Total	22.10	421.50		
Parli				
Unit 6	4.48	102.12	225	150
Unit 7	4.81	88.55	241	151
Unit 8	4.98	86.44	238	144
Total	14.27	277.12		
Chandrapur				
Unit 3	2.86	51.59	145	87
Unit 4	3.60	59.42	155	134
Unit 5	0.00	34.06	0	0
Unit 6	9.05	136.06	415	310
Unit 7	7.88	145.00	343	310
Unit 8	11.04	218.34	495	434
Unit 9	11.04	221.32	472	442
Total	45.47	865.78		
Paras				
Unit 3	5.00	103.86	220	172
Unit 4	5.14	107.45	223	204
Total	10.14	211.31		
Khaparkheda				
Unit 1	3.85	76.24	175	140
Unit 2	2.65	47.56	125	82
Unit 3	3.89	69.38	172	145
Unit 4	3.56	72.79	160	138
Unit 5	10.92	224.40	470	420
Total	24.88	490.37		
Nasik				
Unit 3	0.00	37.94	0	0
Unit 4	3.71	67.84	163	144
Unit 5	3.23	63.39	142	127
Total	6.94	169.17		
Uran				
All Units	6.81	126.10	293	271
Total	6.81	126.10		
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)	0.56	16.84	53	0
Total	0.56	16.84		
Koyna				
Stage 1-2	1.45	77.70	190	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	3.85	153.58	499	0
Stage 3	1.40	51.11	204	0
Total	6.70	282.39		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.65	0	0
TILLARI	0.00	2.79	0	0
BHIRA T.R.	0.20	6.57	53	0
SMLHY_PTN	1.90	51.55	81	77
GHATGHAR	0.12	4.65	80	0
Total	2.22	66.20		
Wind				
Total	8.23	161.84	0	0
Total	8.23	161.84		
CPP				
APML(Mus)	61.46	1337.96	0	0
JSWEL(Mus)	28.14	545.90	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.94	548.22	0	0
SWPGPL-Mus	6.34	159.67	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.09	73.50	267	209
Other(Mus)	0.73	8.12	0	0
JPL	2.76	36.65	127	104
Total	130.46	2710.01		
SOLAR				
Total	14.55	323.13	0	0
Total	14.55	323.13		
Tata				
Trombay 5	6.92	189.22	442	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.82	25.16	35	33
Trombay 7B	0.77	19.74	33	32
TATA Hydro	3.10	99.97	432	45
Trombay 8	3.46	95.46	219	130
Total	15.07	429.55		
AEML				
DTPS U-1&2	10.27	211.03	501	347
Total	10.27	211.03		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	157.28	3222.59	MSPGCL Total	173.57	3714.11
			MSPGCL Thml+Gas	164.10	3348.69	Koyna 1,2 & 4 Total	5.30	231.28
			MSPGCL Hydro	9.47	365.43	State Total	352.15	7549.68

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Oct/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	6622	126	291	7039	241	6016	0	0	10589	10415	-1984	21319	0	13	21319	3041	408	24768	49.96
2	6584	135	289	7008	295	6040	0	0	10389	10312	-1834	21446	0	7	21446	2806	375	24627	49.98
3	6517	126	292	6935	360	5903	0	0	10750	10110	-1739	21235	0	9	21235	2600	334	24169	49.97
4	6509	125	290	6924	423	5706	0	0	10555	10327	-1586	21479	0	8	21479	2463	315	24257	50.00
5	6519	148	290	6957	547	5831	0	0	10598	10498	-1502	21978	0	6	21978	2410	352	24741	50.00
6	6579	168	292	7039	544	5850	0	0	11311	11098	-1526	22623	0	0	22623	2426	383	25431	49.98
7	6630	171	293	7094	560	5400	0	53	11913	11299	-1529	22455	0	19	22455	2452	422	25329	50.03
8	6694	214	291	7199	464	4910	0	418	11412	11380	-1611	22321	0	7	22321	2502	439	25262	49.99
9	6648	460	290	7398	387	4717	0	1042	11019	11091	-1812	22372	0	8	22372	2723	452	25546	49.95
10	6556	455	283	7294	382	4806	0	1559	11350	11592	-2128	23050	0	102	23050	3052	455	26557	49.98
11	6613	588	282	7483	260	5060	0	1955	12126	11566	-2323	23538	0	129	23538	3323	463	27324	50.02
12	6261	607	278	7146	202	4585	0	2176	12696	12169	-2381	23429	0	95	23429	3412	468	27309	49.99
13	6085	607	271	6963	166	4562	0	2014	12458	12080	-2370	22958	0	32	22958	3408	456	26823	49.97
14	6140	609	274	7023	179	4585	0	1905	12444	12191	-2290	23129	0	0	23129	3352	464	26945	50.00
15	6498	626	273	7397	192	5023	0	1632	12534	12278	-2401	23676	0	107	23676	3437	445	27558	49.91
16	6575	566	273	7414	171	5755	0	1141	12654	12090	-2436	23658	0	39	23658	3516	477	27651	50.01
17	6529	414	272	7215	221	6096	0	551	11800	11209	-2200	22610	0	20	22610	3466	481	26558	50.02
18	6607	467	279	7353	238	6121	0	105	10489	10413	-1793	21963	0	12	21963	3377	474	25814	50.03
19	6716	1047	279	8042	290	6119	0	0	10469	10378	-1814	22536	0	8	22536	3417	479	26432	50.02
20	6736	618	283	7637	320	5807	0	0	10973	10520	-1853	21946	0	0	21946	3342	486	25773	50.07
21	6648	290	285	7223	429	5371	0	0	10442	10209	-2118	20642	0	0	20642	3179	472	24293	49.99
22	6694	346	288	7328	388	5195	0	0	10119	10063	-2074	20430	0	0	20430	3057	470	23957	50.01
23	6658	346	289	7293	480	5235	0	0	10118	10076	-2010	20614	0	0	20614	2983	460	24057	50.01
24	6663	216	287	7166	492	5771	0	0	10194	10044	-2098	20942	0	0	20942	3003	433	24378	50.01
MUs	157.28	9.47	6.81	173.57	8.23	130.46	0.00	14.55	269.40	263.41	-47.41	532.35	0.00	0.62	532.35	72.75	10.46	615.56	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.

*Load Shedding due to Transmission Constraint :-

- 1)FLS done due to overloading of 220 KV Lonand- Jejuri line
- 2)ELR done due to overloading of 220kV Nashik GCR-BBLR-I & II line and 132kV BBLR-Sangamner, BBLR-Rahuri line overload.
- 3) DLS was implemented as to avoid LTS operation of Under Voltage(370 kV) & 400 kV Line (Chakan-Talegaon PGCIL)

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Oct/2023

Position as on 6.30 Hrs of 22/Oct/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhaul.	15/02/2024
MSPGCL	Koyana Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	PGPL U1	262	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	31/03/2024
IPP	SWPGPL U-4	135	29/09/2023	00:03		Continued.	Turbine Bearing no.4 temperature high	25/10/2023
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
IPP	SWPGPL U-3	135	10/10/2023	23:56		Continued.	Electrostatic precipitator problem	26/10/2023
MSPGCL	Chandrapur Unit 5	500	11/10/2023	08:12		Continued.	Turbine Vibration High.	27/10/2023
IPP	RPL(AMT) U-2	270	12/10/2023	07:59		Continued.	Tripped Due to Electrical protection opted.	20/11/2023
MSPGCL	Koradi Unit 8	660	16/10/2023	10:40		Continued.	Boiler Tube Leakage	25/10/2023
MSPGCL	Nasik Unit 3	210	17/10/2023	21:16	22/10/2023	21:28	Heavy Hunting in CVSM	22/10/2023
MSPGCL	Uran Unit 8	108	22/10/2023	12:17		Continued.	Gas shortage	
IPP	JPL Unit 1	150	22/10/2023	12:28		Continued.	Boiler Feed Pump Problem	23/10/2023

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 22/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV TIEBAY Outages/Trippings							
TIE BAY (708) of KORADI - 3 CKT - 2 & EKTUNI CKT - 2 @ AKOLA 2	IntraState	21/10/2023	12:06	21/10/2023	15:37	PO	Annual Bay Maintenance
400 KV TIEBAY Outages/Trippings							
TIE BAY (418) OF ICT - 1 & ST 4B @ DEEPNAGAR	IntraState	21/10/2023	11:03	21/10/2023	13:10	PO	For Tie Bay CT Tan delta testing Work.
400 KV MAINBAY Outages/Trippings							
MAIN BAY - 418 OF IEPL @ KORADI-2	IntraState	29/09/2023	10:42			PO	1)Diagnostic testing of Circuit breaker 418-Q52. 2) Routine Maintenance work of Bay 418.
MAIN BAY - 401 CHD SWITCHING CKT1 @ CHANDRAPUR 2	IntraState	21/10/2023	10:45	21/10/2023	17:02	PO	Diagnostic testing & allied bay maintenance work
MAIN BAY (417) OF 500 MVA ICT - 1 @ DEEPNAGAR	IntraState	21/10/2023	13:16	21/10/2023	15:10	PO	For ICT-1 Main Bay CT Tan delta testing work.
400 KV LINE Outages/Trippings							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
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)
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVar bus reactor by new 125 MVar bus reactor.
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/10/2023	08:04			HT	H/T for load management.
400KV MAIN BUS - 2 @ KHADKA	IntraState	21/10/2023	07:00	21/10/2023	21:39	PO	FOR 400KV MAIN BUS - 2 CVT DIGNOSTIC TESTING WORK AND MAINTENANCE WORKS.
AKOLA - KHADKA (BHUSAWAL)	IntraState	21/10/2023	10:55	21/10/2023	11:53	EO	Red Hot on 400KV M.B.-II B phase PG Isolator
BABHALESHWAR - PADGHE CKT - 2	IntraState	22/10/2023	10:40	22/10/2023	12:32	PO	Routine Line maintenance and Insulator cleaning work
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 LINE Outages/Trippings							
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.
EKLAHARE (OCR) - PADGHE	IntraState	06/10/2023	07:37			HT	Kept Handtripped from padghe end for load managment
LONIKAND 2 - BHOSARI	IntraState	20/10/2023	09:40	21/10/2023	02:11	PO	Lonikand-II Bay CB mechanism Overhauling work by M/S Siemens
TROMBAY - SALSETTE CKT - 1	IntraState	20/10/2023	23:45	21/10/2023	07:52	PO	PROJECT WORK-LILO AT KVPTL VIKHROLI
APTA - BOMBAY DYEING	IntraState	21/10/2023	00:29	21/10/2023	09:54	PO	Shifting of 220kV Apta Bombay Dyeing line for Loc. no. 7 to 8 at HPCL Premises.
TALANDGE - SAWANTWADI	IntraState	21/10/2023	08:31	21/10/2023	14:17	PO	Replacement of faulty insulator found in PID
220 KV BAMBHORI - DEEPNAGAR CKT	IntraState	21/10/2023	17:38	21/10/2023	21:06	PO	For Restringing of Line
TROMBAY SALSETTE LINE-2	IntraState	21/10/2023	23:02	22/10/2023	09:32	PO	PROJECT WORK-LILO AT KVPTL AT VIKHROLI

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 22/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
URSE-CHINCHWAD	IntraState	21/10/2023	23:02	22/10/2023	01:01	PO	Replacement of disc insulator string found weak/priority in PID testing of CT gantry R & Y ph pilot string.
BOISAR II - TARAPUR	IntraState	22/10/2023	08:59	22/10/2023	16:47	PO	Replacement of old hardware at critical location
BORIVALI - BOISAR (PG)	IntraState	22/10/2023	09:20	22/10/2023	13:08	PO	Replacement of old hardware at critical location.
BUS SECTION - 1 @ TROMBAY	IntraState	22/10/2023	13:23	22/10/2023	23:45	PO	1) R-ph CB pole replacement work of 220KV Trombay-Chembur-3 line due to high CRM value 2) Diagnostic testing work of equipment of Chembur-3 line
BOISAR II - BOISAR (PG) CKT - 3	IntraState	22/10/2023	14:19	22/10/2023	14:48	HT	H/T for emergency outage
GHODBUNDER - MSETCL BOISAR	IntraState	22/10/2023	14:28	22/10/2023	15:53	T	Tripped on distance protection
BOISAR II - BOISAR (PG) CKT - 2	IntraState	22/10/2023	14:28	22/10/2023	14:47	T	Tripped on overcurrent
BOISAR II - BOISAR (PG) CKT - 1	IntraState	22/10/2023	14:28	22/10/2023	15:47	T	Tripped on line fault
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.
220/100 KV 200 MVA ICT 1 @ BORIVALI	IntraState	12/10/2023	10:19			PO	For replacement of various EHV equipments under LE Scheme. The old EHV equipments are to be replaced under LE Scheme whose details are as given below - 1. 220 kV Circuit Breaker - 1 No. 2. 220 kV Lightning Arrestors - 3 Nos. 3. 100 kV Potential Transformers - 6 Nos. 4. 100 kV Isolators - 9 Nos. Also the Anti Corrosive Painting of ICT-1 will be carried out in this outage.
220/132KV 100 MVA ICT 2@ PETH	IntraState	21/10/2023	10:38	21/10/2023	13:45	PO	Attending oil leakage from inspection window
220/132 KV 200 MVA ICT 2 @ BABHLESHWAR	IntraState	21/10/2023	18:25	21/10/2023	19:33	PO	To Attend Hot spot t on LV side R ph Bushing clamp (80.8 deg celcius) and hotspot on LV side B phase Bushing clamp (101 deg celcius)
220/132 KV 200 MVA ICT 3 @ BABHLESHWAR	IntraState	22/10/2023	18:12	22/10/2023	19:25	PO	To Attend Hot spot t on HV side R ph Bushing Jump Clamp (93.20 deg celcius)
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.
AUXILIARY BUS @ PADGHE	IntraState	14/09/2023	10:32			PO	For making twin bus conductor arrangements of 220kV Aux. Bus in upper section .
MAIN BUS-1 @ SAKI (AEML)	IntraState	21/10/2023	12:18	21/10/2023	18:04	PO	Preventive Maintenance of Main Bus-1 & Bus side isolators.
132 KV LINE Outages/Trippings							
MANSAR-PENCH	InterState	22/09/2023	07:10			HT	H/T FOR LOAD MANAGEMENT
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