

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Oct/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	148.144	3523.939	1) Gujrat	4.271	203.370
2) Hydro	6.610	377.826	2) Madhya Pradesh	8.457	152.852
3) Gas	3.446	134.723	3) Chattisgarh	8.050	111.440
Total MSPGCL	158.200	4036.488	4) Maharashtra	260.190	4791.964
B) 1) APLM	65.333	1469.800	5) Goa (Amona)	-1.835	-38.044
2) JSWEL	27.270	599.587	Total	279.133	5221.582
3) VIPL	0.000	0.000	a) Mumbai Schedule	47.819	858.631
4) RPL(AMT)	25.511	599.306	b) Mumbai Drawl	49.513	951.056
5) SWPGPL	6.327	172.310	c) MSEDCL Bilateral *	143.639	2363.821
6) Other IPP	6.654	133.130	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	47.819	857.403
C) 1) TPCL Thermal	11.318	306.631	Include PX	0.000	0.000
2) TPCL Hydro	2.139	103.439	Standby	0.000	1.229
3) TPCL Gas	1.564	48.033	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.752	230.669	1) MSEDCL	527.733	11570.211
D) STATE			2) Mumbai Discoms	74.286	1639.828
1) Thermal	300.309	7035.372	3) Other Discoms	10.629	237.837
(A1+C1+C4+(B1-B6))			TOTAL STATE	612.648	13447.876
2) Hydro	8.749	481.265			
(A2+C2)					
3) Gas	5.010	182.756			
(A3+B7+C3)					
4) Wind	4.041	173.025			
6) SOLAR	15.406	353.876			
TOTAL STATE	333.515	8226.294			

* 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 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6259	5976	6229	6052
MSPGCL Hydro	490	425	367	125
MSPGCL Gas	142	138	145	146
MSPGCL Total Generation	6891	6539	6741	6323
Central Sector Receipt	12891	12957	11984	10499
WIND	109	194	129	162
CPP / IPP Thermal	4984	4395	5480	5943
CPP / IPP Gas	0	0	0	0
SOLAR	2036	2236	0	0
Exchange with Mumbai	-2352	-2372	-2088	-1630
MSEDCL DEMAND MET	24072	23471	21740	20970
Load Shedding	0	0	0	0
MSEDCL DEMAND	24072	23471	21740	20970
TPCL GENERATION	715	741	904	491
AEML GENERATION	468	499	409	330
MUMBAI DEMAND	3535	3612	3401	2451
OTHER DISCOM DEMAND	487	477	506	327
STATE DEMAND MET	28094	27561	25647	23748
STATE DEMAND	28094	27561	25647	23748
Frequency (Hz)	50.04	50.07	50.04	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.29 Hz at 13.03 Hrs	49.83 Hz at 23.04 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 23/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.31	93.00	185	165
Unit 8	0.00	209.26	0	0
Unit 9	15.11	307.11	660	568
Unit 10	14.62	244.08	630	585
Total	34.04	853.45		
Bhusawal				
Unit 3	2.71	66.63	125	100
Unit 4	0.98	185.82	355	0
Unit 5	9.60	204.96	445	330
Total	13.28	457.42		
Parli				
Unit 6	4.97	111.87	225	144
Unit 7	5.28	98.80	245	151
Unit 8	4.89	96.13	234	155
Total	15.15	306.80		
Chandrapur				
Unit 3	3.10	57.72	150	87
Unit 4	3.54	66.53	154	134
Unit 5	0.00	34.06	0	0
Unit 6	7.65	152.31	380	207
Unit 7	7.14	160.29	332	237
Unit 8	10.90	239.84	477	353
Unit 9	7.98	237.86	346	317
Total	40.31	948.61		
Paras				
Unit 3	4.79	113.54	215	174
Unit 4	4.93	116.85	215	175
Total	9.72	230.39		
Khaparkheda				
Unit 1	3.88	83.62	170	145
Unit 2	2.55	52.76	119	82
Unit 3	4.04	77.27	179	148
Unit 4	4.18	80.93	183	158
Unit 5	10.90	246.30	475	435
Total	25.54	540.87		
Nasik				
Unit 3	3.25	41.36	144	114
Unit 4	3.62	75.13	160	139
Unit 5	3.23	69.92	142	99
Total	10.10	186.41		
Uran				
All Units	3.45	134.72	148	136
Total	3.45	134.72		
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)	0.17	17.46	49	0
Total	0.17	17.46		
Koyna				
Stage 1-2	1.84	82.28	405	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	1.68	155.37	469	0
Stage 3	0.66	52.21	154	0
Total	4.17	289.87		
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.	0.14	6.91	40	0
SMLHY_PTN	2.13	55.51	94	85
GHATGHAR	0.00	4.65	0	0
Total	2.27	70.50		
Wind				
Total	4.04	173.02	0	0
Total	4.04	173.02		
CPP				
APML(Mus)	65.33	1469.80	0	0
JSWEL(Mus)	27.27	599.59	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.51	599.31	0	0
SWPGPL-Mus	6.33	172.31	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.95	85.51	267	205
Other(Mus)	0.70	9.58	0	0
JPL	0.00	38.04	0	0
Total	131.10	2974.13		
SOLAR				
Total	15.41	353.88	0	0
Total	15.41	353.88		
Tata				
Trombay 5	7.49	203.71	424	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.83	26.80	40	33
Trombay 7B	0.74	21.23	34	30
TATA Hydro	2.14	103.44	278	25
Trombay 8	3.83	102.92	221	130
Total	15.02	458.10		
AEML				
DTPS U-1&2	9.75	230.67	501	322
Total	9.75	230.67		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	148.14	3523.94	MSPGCL Total	158.20	4036.49
			MSPGCL Thml+Gas	151.59	3658.66	Koyna 1,2 & 4 Total	3.51	237.66
			MSPGCL Hydro	6.61	377.83	State Total	333.52	8226.29

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	6328	125	144	6597	194	5965	0	0	10908	10540	-2078	20833	0	21	20833	2982	385	24200	49.99
2	6328	130	146	6604	194	5938	0	0	10790	10535	-1904	20991	0	21	20991	2785	376	24152	49.99
3	6251	130	146	6527	227	5716	0	0	10849	10555	-1731	20945	0	16	20945	2589	349	23883	49.98
4	6052	125	146	6323	162	5943	0	0	10773	10499	-1630	20970	0	11	20970	2451	327	23748	50.02
5	6019	125	147	6291	143	5838	0	0	11342	11146	-1559	21530	0	0	21530	2385	329	24244	49.94
6	6094	131	146	6371	128	5827	0	0	11942	11941	-1603	22304	0	13	22304	2439	360	25103	49.98
7	6153	169	148	6470	130	5884	0	54	12406	12352	-1698	22782	0	22	22782	2513	410	25705	49.99
8	6174	271	147	6592	100	5874	0	469	11965	11701	-1817	22471	0	5	22471	2637	448	25556	50.04
9	6145	400	146	6691	88	5370	0	1146	11550	11695	-2055	22468	0	0	22468	2929	467	25864	50.00
10	6287	516	145	6948	99	5182	0	1708	11842	11919	-2212	23166	0	17	23166	3268	478	26912	50.00
11	6259	490	142	6891	109	4984	0	2036	13083	12891	-2352	24072	0	98	24072	3535	487	28094	50.04
12	5881	598	139	6618	152	4391	0	2209	13641	13326	-2386	23815	0	148	23815	3646	495	27956	50.02
13	5976	425	138	6539	194	4395	0	2236	13208	12957	-2372	23471	0	29	23471	3612	477	27561	50.07
14	6210	197	136	6543	182	4771	0	2035	12923	12487	-2267	23283	0	29	23283	3515	468	27266	50.07
15	5912	283	138	6333	200	4526	0	1695	13697	13464	-2329	23418	0	7	23418	3597	471	27486	49.96
16	6184	288	139	6611	258	5120	0	1149	13436	12969	-2387	23235	0	10	23235	3661	485	27381	49.98
17	6259	218	141	6618	251	5862	0	583	12453	12038	-2440	22429	0	36	22429	3565	483	26477	49.98
18	6260	214	144	6618	167	5515	0	86	12259	11798	-2339	21345	0	15	21345	3441	500	25286	50.01
19	6229	367	145	6741	129	5480	0	0	12182	11984	-2088	21740	0	0	21740	3401	506	25647	50.04
20	6184	280	143	6607	109	5542	0	0	11917	11590	-2216	21140	0	0	21140	3276	492	24908	50.02
21	6261	530	145	6936	148	5546	0	0	10277	10147	-2052	20249	0	0	20249	3152	476	23877	50.00
22	6267	239	145	6651	181	5811	0	0	10023	10077	-2015	20208	0	0	20208	3030	497	23735	50.00
23	6248	175	145	6568	244	5842	0	0	10291	10218	-1976	20447	0	0	20447	2942	449	23838	49.99
24	6183	184	145	6512	252	5773	0	0	10493	10304	-2007	20422	0	0	20422	2935	412	23769	49.98
MUs	148.14	6.61	3.45	158.20	4.04	131.09	0.00	15.41	284.25	279.13	-49.51	527.73	0.00	0.50	527.73	74.29	10.63	612.65	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) DLS implemented to avoid LTS operation of under voltage & overloading of Chakan-Talegaon (PG) line.
- 2) LTS operated due to overloading of 220kv Jejuri Lonand line.
- 3) ELR carried out due to 132kv BBLR-Rahuri line overload.
- 4) LTS stage-I operated, due to 220kv Lonand Jejuri line overloading.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Oct/2023

Position as on 6.30 Hrs of 24/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	28/10/2023
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.	30/10/2023
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	26/10/2023
MSPGCL	Uran Unit 8	108	22/10/2023	12:17		Continued.	Gas shortage	
IPP	JPL Unit 1	150	22/10/2023	12:28	24/10/2023	19:40	Boiler Feed Pump Problem	24/10/2023
MSPGCL	Bhusawal Unit 4	500	23/10/2023	02:52		Continued.	PA Fan problem	26/10/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 23/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 24/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV MAINBAY Outages/Tripping							
MAIN BAY (709) OF KORADI 3 CKT-2 @ AKOLA 2	IntraState	23/10/2023	11:27	23/10/2023	19:19	PO	Annual Bay Maintenance
765 KV LINE Outages/Tripping							
400 KV EKTUNI - BABHLESHWAR CKT- 2	InterState	24/10/2023	07:11	24/10/2023	11:54	EO	To attend Hot Spot on Line Isolator
400 KV MAINBAY Outages/Tripping							
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.
400 KV LINE Outages/Tripping							
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 2Y2 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.
KHADKA-AURANGABAD (WALUJ)	IntraState	24/10/2023	19:40		Continued.	HT	H/T on overvoltage
400 KV ICT Outages/Tripping							
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.
STATION TRANSFORMER - 8A @ CHANDRAPUR SWITCHING SS	IntraState	23/10/2023	00:10			EO	CHECKING AND TESTING OF TRANSFORMER
400/220/33 KV 315 MVA ICT - 2 @ PARLI	IntraState	23/10/2023	12:05	23/10/2023	12:05	PO	Shifting of 400/220 KV ICT 2 from Main Bus 2 to Main Bus 1
400/220/33 KV 500 MVA ICT - 3 @ PARLI	IntraState	23/10/2023	12:49	23/10/2023	12:49	PO	Shifting of 400/220 KV ICT 3 from Main Bus 1 to Main Bus 2
400/220/33 KV 315 MVA ICT - 1 @ PARLI	IntraState	23/10/2023	13:17	23/10/2023	13:17	PO	Shifting of 400/220 KV ICT 1 from Main Bus 2 to Main Bus 1
400/220/20 KV 300 MVA ICT - 1 @ KORADI	IntraState	24/10/2023	08:35	24/10/2023	12:22	PO	LA Replacement
500 MVA 400/220 KV ICT - 2 @ CHANDRAPUR 2	IntraState	24/10/2023	09:09	24/10/2023	11:01	PO	Replacement of ICT-II Y Phase CTR Nitrogen Cylinder
220 KV LINE Outages/Tripping							
BALE - SOLAPUR (PG)	InterState	24/10/2023	10:25	24/10/2023	17:26	T	Tripped on distance protection
JEUR - SOLAPUR PG	InterState	24/10/2023	15:04	24/10/2023	19:47	T	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.
EKLAHARE (OCR) - PADGHE	IntraState	06/10/2023	07:37			HT	Kept Handtripped from padghe end for load managemet
WARDHA - WARDHA RLY TSS 2	IntraState	23/10/2023	09:19	23/10/2023	13:05	PO	Testing Work.
BOISAR II - BOISAR (PG) CKT - 2	IntraState	24/10/2023	04:32	24/10/2023	06:46	EO	To attend Major Hot spot work at Spacer Clamp Nut Bolt in jumper from R-ph CT clamp to upper gantry. 159°C
CHAKAN PH II - VOLKSWAGEN	IntraState	24/10/2023	09:56	24/10/2023	14:27	PO	Hot spot attending work- in jumper crimping R Phase CT and R phase isolator .Yearly maintenance .

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 24/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
CHAKAN -BRIDGESTONE	IntraState	24/10/2023	09:56	24/10/2023	14:26	PO	Hot spot attending work- in jumper crimping R Phase CT and R phase isolator .Yearly maintenance .
URSE - M. HINODAYA CO	IntraState	24/10/2023	10:08			PO	B-ph check CT replacement at consumer end & CB overhauling work at Urse bay MSETCL.
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.
220/33kv 50MVA TF-3 @ 5 STAR MIDC	IntraState	23/10/2023	10:10	24/10/2023	05:00	PO	for Y-ph TF HV Bushing replacement work, diagnostic testing work of CBs on dt. 23.10.2023
100 MVA 220/132 KV ICT 2	IntraState	23/10/2023	10:51	23/10/2023	21:52	EO	Replacement of Y ph HV Bushing
220/132 KV 100 MVA ICT 1	IntraState	23/10/2023	17:30	23/10/2023	19:02	PO	To Attend Hot spot t on LV side B ph Bushing (72 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 .
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