

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Oct/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	144.904	3668.843	1) Gujrat	3.614	206.984
2) Hydro	4.205	382.031	2) Madhya Pradesh	7.235	160.087
3) Gas	3.450	138.173	3) Chattisgarh	7.370	118.810
Total MSPGCL	152.559	4189.047	4) Maharashtra	226.439	5018.403
B) 1) APLM	52.158	1521.958	5) Goa (Amona)	-1.877	-39.921
2) JSWEL	27.634	627.221	Total	242.781	5464.363
3) VIPL	0.000	0.000	a) Mumbai Schedule	39.437	898.068
4) RPL(AMT)	25.575	624.881	b) Mumbai Drawl	42.711	993.767
5) SWPGPL	6.344	178.654	c) MSEDCL Bilateral *	116.167	2479.988
6) Other IPP	6.853	139.983	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	39.437	896.839
C) 1) TPCL Thermal	10.073	316.704	Include PX	0.000	0.000
2) TPCL Hydro	1.577	105.016	Standby	0.000	1.229
3) TPCL Gas	1.806	49.839	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.969	239.638	1) MSEDCL	481.301	12051.512
D) STATE			2) Mumbai Discoms	65.136	1704.964
1) Thermal	282.510	7317.882	3) Other Discoms	10.345	248.182
(A1+C1+C4+(B1-B6))			TOTAL STATE	556.782	14004.658
2) Hydro	5.782	487.047			
3) Gas	5.256	188.012			
4) Wind	5.174	178.199			
6) SOLAR	15.279	369.155			
TOTAL STATE	314.001	8540.295			

* 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 23 Hrs
MSPGCL Thermal	6109	5590	5932	6030
MSPGCL Hydro	252	201	118	141
MSPGCL Gas	142	141	141	146
MSPGCL Total Generation	6503	5932	6191	6317
Central Sector Receipt	10445	10357	9390	8723
WIND	136	157	297	595
CPP / IPP Thermal	4631	4493	5102	4750
CPP / IPP Gas	0	0	0	0
SOLAR	2029	2218	2	0
Exchange with Mumbai	-1789	-1894	-1856	-1899
MSEDCL DEMAND MET	21496	20816	18658	18045
Load Shedding	0	0	0	0
MSEDCL DEMAND	21496	20816	18658	18045
TPCL GENERATION	604	613	600	580
AEML GENERATION	362	326	415	381
MUMBAI DEMAND	2755	2833	2871	2860
OTHER DISCOM DEMAND	459	447	468	441
STATE DEMAND MET	24710	24096	21997	21346
STATE DEMAND	24710	24096	21997	21346
Frequency (Hz)	50.01	50.00	50.02	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 06.01 Hrs	49.84 Hz at 20.20 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 24/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.28	97.28	185	155
Unit 8	0.00	209.26	0	0
Unit 9	14.71	321.82	658	562
Unit 10	14.22	258.30	635	525
Total	33.22	886.66		
Bhusawal				
Unit 3	2.56	69.20	115	95
Unit 4	0.00	185.82	0	0
Unit 5	9.09	214.05	415	310
Total	11.66	469.07		
Parli				
Unit 6	4.68	116.54	237	145
Unit 7	4.37	103.17	238	148
Unit 8	4.96	101.09	229	151
Total	14.00	320.80		
Chandrapur				
Unit 3	3.01	60.72	156	80
Unit 4	3.54	70.06	155	135
Unit 5	0.00	34.06	0	0
Unit 6	7.92	160.23	415	215
Unit 7	6.89	167.18	350	224
Unit 8	10.68	250.52	473	365
Unit 9	7.98	245.84	343	314
Total	40.01	988.62		
Paras				
Unit 3	4.83	118.37	220	184
Unit 4	5.37	122.22	238	207
Total	10.20	240.59		
Khaparkheda				
Unit 1	4.02	87.64	175	155
Unit 2	2.56	55.31	124	82
Unit 3	3.87	81.14	177	147
Unit 4	4.35	85.28	186	165
Unit 5	11.16	257.45	475	445
Total	25.94	566.81		
Nasik				
Unit 3	3.31	44.68	148	125
Unit 4	3.42	78.54	155	119
Unit 5	3.14	73.07	140	118
Total	9.87	196.29		
Uran				
All Units	3.45	138.17	147	139
Total	3.45	138.17		
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)	0.19	17.65	42	0
Total	0.19	17.65		
Koyna				
Stage 1-2	1.69	83.98	255	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	155.37	0	0
Stage 3	0.37	52.58	80	0
Total	2.06	291.93		
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.	0.06	6.97	40	0
SMLHY_PTN	1.89	57.40	83	75
GHATGHAR	0.00	4.65	0	0
Total	1.95	72.45		
Wind				
Total	5.17	178.20	0	0
Total	5.17	178.20		
CPP				
APML(Mus)	52.16	1521.96	0	0
JSWEL(Mus)	27.63	627.22	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.58	624.88	0	0
SWPGPL-Mus	6.34	178.65	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.80	91.30	293	199
Other(Mus)	0.82	10.40	0	0
JPL	0.24	38.28	78	0
Total	118.56	3092.70		
SOLAR				
Total	15.28	369.16	0	0
Total	15.28	369.16		
Tata				
Trombay 5	6.72	210.43	348	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.98	27.78	42	40
Trombay 7B	0.83	22.06	35	34
TATA Hydro	1.58	105.02	126	12
Trombay 8	3.35	106.27	173	129
Total	13.46	471.56		
AEML				
DTPS U-1&2	8.97	239.64	499	315
Total	8.97	239.64		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	144.90	3668.84	MSPGCL Total	152.56	4189.05
			MSPGCL Thml+Gas	148.35	3807.02	Koyna 1,2 & 4 Total	1.69	239.35
			MSPGCL Hydro	4.20	382.03	State Total	314.00	8540.30

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/Oct/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLA R	CS SHAR E	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planned	*Transmission Constraint					
1	6257	165	146	6568	221	5783	0	0	10738	11008	-1949	21215	0	4	21215	2898	416	24529	49.96
2	6247	129	146	6522	156	5539	0	0	11102	10939	-1861	20911	0	0	20911	2752	384	24047	49.96
3	6212	118	146	6476	137	5230	0	0	11204	11000	-1684	20808	0	0	20808	2578	351	23737	49.97
4	6310	119	146	6575	121	4980	0	0	11376	11003	-1551	20789	0	0	20789	2441	339	23569	50.00
5	6343	118	147	6608	105	4938	0	0	11620	11216	-1400	21100	0	0	21100	2387	367	23854	49.99
6	6262	118	147	6527	109	5199	0	5	11874	11779	-1397	21833	0	0	21833	2392	389	24614	50.03
7	6092	239	146	6477	124	4819	0	69	11889	11906	-1398	21566	0	6	21566	2385	431	24382	50.01
8	6348	222	147	6717	117	5380	0	483	10319	10152	-1440	20971	0	1	20971	2393	438	23802	50.02
9	6199	194	145	6538	114	5009	0	1148	9751	9723	-1607	20482	0	0	20482	2467	443	23392	49.98
10	5998	337	143	6478	103	4525	0	1684	9912	10174	-1618	20890	0	17	20890	2608	456	23954	49.99
11	6109	252	142	6503	136	4631	0	2029	10496	10445	-1789	21496	0	50	21496	2755	459	24710	50.01
12	5923	200	142	6265	127	4669	0	2277	10557	10310	-1889	21300	0	60	21300	2836	459	24595	50.04
13	5590	201	141	5932	157	4493	0	2218	10548	10357	-1894	20816	0	60	20816	2833	447	24096	50.00
14	5682	199	139	6020	170	4476	0	2037	10445	10315	-1951	20626	0	60	20626	2812	441	23879	50.03
15	6090	198	140	6428	158	4759	0	1576	10387	10192	-1982	20676	0	73	20676	2875	455	24006	50.01
16	6061	196	141	6398	208	4797	0	1131	10369	10186	-2049	20206	0	61	20206	2921	465	23592	49.99
17	5926	125	140	6191	256	5394	0	516	9734	9649	-1955	19592	0	8	19592	2846	459	22897	50.00
18	5962	121	144	6227	272	5545	0	104	9289	8590	-1815	18450	0	49	18450	2782	473	21705	50.02
19	5932	118	141	6191	297	5102	0	2	9789	9390	-1856	18658	0	20	18658	2871	468	21997	50.02
20	5766	119	142	6027	233	4673	0	0	9653	9447	-1929	18003	0	0	18003	2879	448	21330	50.04
21	5771	118	142	6031	238	4570	0	0	8901	8766	-1909	17250	0	0	17250	2827	446	20523	49.98
22	5743	309	145	6197	310	4612	0	0	8663	8644	-1899	17418	0	0	17418	2808	446	20672	49.99
23	6030	141	146	6317	595	4750	0	0	8678	8723	-1899	18045	0	0	18045	2860	441	21346	49.99
24	6051	149	146	6346	710	4691	0	0	8933	8867	-1990	18200	0	0	18200	2930	424	21554	49.99
MUs	144.90	4.21	3.45	152.56	5.17	118.56	0.00	15.28	246.23	242.78	-42.71	481.30	0.00	0.47	481.30	65.14	10.35	556.78	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) ELR Carried out due to 132 kV Sangamner-BBLR Line Over Load.
- 2) DLS done due to overloading of 220 KV Jejuri-Baramati line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Oct/2023

Position as on 6.30 Hrs of 25/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 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	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
MSPGCL	Uran Unit 7	108	25/10/2023	03:01	25/10/2023	05:32	CTO High Protection.	25/10/2023
MSPGCL	Uran Unit B0	120	25/10/2023	03:01		Continued.	CTO high protection.	25/10/2023
MSPGCL	Nasik Unit 3	210	25/10/2023	09:27		Continued.	ID Fan Problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 24/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 25/Oct/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/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 4Y4 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	25/10/2023	05:40	HT	H/T on overvoltage
DABHOL - NAGOTHANE CKT - 1	IntraState	25/10/2023	09:26			PO	Cold washing
KORADI - KHAPERKHEDA CKT - 1	IntraState	25/10/2023	10:49	25/10/2023	16:35	PO	Tan Delta & Capacitance of Main CTs & Isolator Maintenance Work
MAIN BUS - 2 @ KORADI-3	IntraState	25/10/2023	14:38			PO	Annual Maintenance Bus Equipments at Koradi-III SS
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
400/220/20 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
400 KV BR Outages/Tripping							
BUS REACTOR (125 MVAR) - 2 @ KOLHAPUR (TALANDGE)	IntraState	25/10/2023	09:14			PO	Reactor AMP
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 managment
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 .
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 .

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 25/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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.
PADGHE - PAL DOMBIVALI	IntraState	25/10/2023	02:49	25/10/2023	05:19	T	Tripped on Distance Protection.
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	25/10/2023	09:10			PO	Routine bay maintenance & line maintenance
POPHLI PEDHMBE LINE- 1	IntraState	25/10/2023	09:40	25/10/2023	12:35	PO	To Attend Y phase Circuit Breaker to Line side isolator conductor unwound strands
NERLE - DASGAON	IntraState	25/10/2023	10:02			PO	Relay Testing Work
PANDHARPUR - MALINAGAR	IntraState	25/10/2023	11:21			PO	Outage is required for Cold line washing of strings
GHATGHAR - BAPGAON	IntraState	25/10/2023	12:10			PO	220kV Ghatghar Line Bay 'B' Bus Isolator Maintenance work after shifting the line on TBC.
MAIN BUS- B @ BAPGAON	IntraState	25/10/2023	12:20			PO	For 220kV 2 Bus-B2 PT maintenance & Painting work and checking of oil leakages if any & 220kV Ghatghar Line Bay 'B' Bus Isolator Maintenance work.
SOUTH SOLAPUR (KUMBHARI) - SOLAPUR (PG) CKT - 2	IntraState	25/10/2023	12:57	25/10/2023	16:04	PO	Outage is required for Quarterly Maintenance
MAIN BUS - 2 @ SOUTH SOLAPUR	IntraState	25/10/2023	13:25	25/10/2023	15:50	PO	Outage is required for Quarterly Maintenance
KADEGAON-MIRAJ	IntraState	25/10/2023	16:01			PO	String Replacement Work at Loc No.193R Ph
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
220/100 KV 200 MVA ICT 2 @ KOLSHET	IntraState	25/10/2023	10:51			PO	To attend the problem of Trip Circuit Faulty B-ph TC- 1 and 2 TC -2 HV CB work will be attended by Testing Batch Kalwa.
220/132-110/11KV 200MVA VID ICT 1 @ MIRAJ	IntraState	25/10/2023	15:07	25/10/2023	16:46	PO	Hot Spot attending Work at HV side isolator jaw
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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 25/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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