

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Oct/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	166.299	4792.592	1) Gujrat	1.979	223.613
2) Hydro	10.873	436.814	2) Madhya Pradesh	6.879	210.186
3) Gas	4.485	162.707	3) Chattisgarh	7.810	174.690
Total MSPGCL	181.657	5392.113	4) Maharashtra	221.609	6625.340
B) 1) APLM	62.954	1934.083	5) Goa (Amona)	-1.542	-52.398
2) JSWEL	27.990	821.361	Total	236.735	7181.431
3) VIPL	0.000	0.000	a) Mumbai Schedule	40.719	1174.829
4) RPL(AMT)	25.480	802.968	b) Mumbai Drawl	41.544	1284.116
5) SWPGPL	9.288	229.777	c) MSEDCL Bilateral *	119.475	3320.738
6) Other IPP	11.217	211.452	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	40.719	1173.601
C) 1) TPCL Thermal	12.873	401.908	Include PX	0.000	0.000
2) TPCL Hydro	2.969	127.016	Standby	0.000	1.229
3) TPCL Gas	2.565	64.869	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.766	308.334	1) MSEDCL	530.069	15695.110
D) STATE			2) Mumbai Discoms	69.717	2186.243
1) Thermal	325.867	9502.475	3) Other Discoms	10.474	320.594
(A1+C1+C4+(B1-B6))			TOTAL STATE	610.260	18201.947
2) Hydro (A2+C2)	13.842	563.830			
3) Gas (A3+B7+C3)	7.050	227.576			
4) Wind	11.890	249.071			
6) SOLAR	14.876	477.564			
TOTAL STATE	373.525	11020.516			

* 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 3 Hrs
MSPGCL Thermal	6756	6689	6811	7130
MSPGCL Hydro	307	195	1649	254
MSPGCL Gas	143	141	284	146
MSPGCL Total Generation	7206	7025	8744	7530
Central Sector Receipt	10990	11535	9641	8859
WIND	494	131	230	869
CPP / IPP Thermal	5828	6223	6178	5216
CPP / IPP Gas	0	0	0	0
SOLAR	2033	1160	1	0
Exchange with Mumbai	-1998	-2056	-1658	-1480
MSEDCL DEMAND MET	24094	23555	22648	20659
Load Shedding	0	0	0	0
MSEDCL DEMAND	24094	23555	22648	20659
TPCL GENERATION	832	890	1173	561
AEML GENERATION	377	501	501	330
MUMBAI DEMAND	3207	3447	3332	2371
OTHER DISCOM DEMAND	459	463	488	335
STATE DEMAND MET	27760	27465	26468	23365
STATE DEMAND	27760	27465	26468	23365
Frequency (Hz)	49.95	50.01	49.99	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.18 Hz at 18:01 Hrs	49.75 Hz at 13:55 Hrs	49.99	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 31/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.56	126.54	195	185
Unit 8	15.08	293.45	660	542
Unit 9	15.04	425.91	660	545
Unit 10	4.62	325.19	624	0
Total	39.30	1171.09		
Bhusawal				
Unit 3	2.42	85.94	130	35
Unit 4	10.32	241.94	450	395
Unit 5	8.79	282.67	440	225
Total	21.54	610.55		
Parli				
Unit 6	5.00	152.15	236	130
Unit 7	4.48	138.77	248	148
Unit 8	5.66	137.43	244	208
Total	15.14	428.35		
Chandrapur				
Unit 3	3.34	84.36	150	120
Unit 4	3.68	95.68	156	152
Unit 5	1.81	37.84	337	0
Unit 6	8.52	223.34	397	315
Unit 7	7.70	222.56	345	285
Unit 8	11.27	328.64	481	441
Unit 9	11.25	289.27	476	446
Total	47.57	1281.67		
Paras				
Unit 3	5.27	154.75	232	197
Unit 4	5.04	158.25	240	105
Total	10.31	313.01		
Khaparkheda				
Unit 1	2.64	107.98	170	80
Unit 2	1.96	69.99	119	54
Unit 3	3.22	106.28	169	116
Unit 4	3.38	112.94	174	122
Unit 5	11.04	333.28	465	450
Total	22.23	730.48		
Nasik				
Unit 3	3.56	58.92	154	139
Unit 4	3.46	102.94	151	135
Unit 5	3.18	95.58	138	124
Total	10.20	257.45		
Uran				
All Units	4.48	162.71	292	141
Total	4.48	162.71		
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)	0.75	20.85	49	0
Total	0.75	20.85		
Koyna				
Stage 1-2	2.62	99.44	410	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	3.00	165.54	1000	0
Stage 3	1.14	58.50	162	0
Total	6.76	323.47		
Hydro				
KDPH	0.86	3.79	36	36
VTRNA	0.00	0.65	0	0
TILLARI	0.00	2.79	0	0
BHIRA T.R.	0.24	8.03	40	0
SMLHY_PTN	2.26	72.13	101	88
GHATGHAR	0.00	5.12	0	0
Total	3.36	92.49		
Wind				
Total	11.89	249.07	0	0
Total	11.89	249.07		
CPP				
APML(Mus)	62.95	1934.08	0	0
JSWEL(Mus)	27.99	821.36	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.48	802.97	0	0
SWPGPL-Mus	9.29	229.78	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.86	132.60	258	209
Other(Mus)	2.82	21.19	0	0
JPL	2.53	57.66	159	0
Total	136.93	3999.64		
SOLAR				
Total	14.88	477.56	0	0
Total	14.88	477.56		
Tata				
Trombay 5	8.26	266.10	458	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.48	36.13	107	35
Trombay 7B	1.08	28.74	64	33
TATA Hydro	2.97	127.02	350	48
Trombay 8	4.62	135.81	242	133
Total	18.41	593.79		
AEML				
DTPS U-1&2	9.77	308.33	501	250
Total	9.77	308.33		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	166.30	4792.59	MSPGCL Total	181.66	5392.11
			MSPGCL Thml+Gas	170.78	4955.30	Koyna 1,2 & 4 Total	5.62	264.97
			MSPGCL Hydro	10.87	436.81	State Total	373.52	11020.52

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/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	7319	520	146	7985	783	5009	0	0	9288	8762	-1650	20500	0	0	20500	2672	389	23561	50.01
2	7349	342	146	7837	833	5499	0	0	9152	8467	-1594	20660	0	0	20660	2461	382	23503	50.02
3	7130	254	146	7530	869	5216	0	0	9122	8859	-1480	20659	0	0	20659	2371	335	23365	49.96
4	7033	249	146	7428	852	5420	0	0	9075	8974	-1415	20934	0	0	20934	2263	325	23522	50.01
5	6985	233	147	7365	858	5656	0	0	9254	9126	-1363	21296	0	0	21296	2212	346	23854	49.99
6	6935	233	148	7316	911	5689	0	0	10112	10402	-1415	22528	0	0	22528	2259	375	25162	49.96
7	6958	428	147	7533	864	5743	0	49	10337	10249	-1456	22566	0	17	22566	2279	416	25261	49.98
8	6927	378	147	7452	705	5845	0	427	9988	10021	-1569	22448	0	3	22448	2365	433	25246	50.01
9	6879	413	147	7439	536	5957	0	1089	9941	10079	-1825	22824	0	0	22824	2741	451	26016	50.02
10	6840	389	144	7373	518	5804	0	1636	10525	10570	-2025	23426	0	22	23426	2964	450	26840	49.97
11	6756	307	143	7206	494	5828	0	2033	11293	10990	-1998	24094	0	124	24094	3207	459	27760	49.95
12	6615	264	141	7020	367	5333	0	2065	11689	11596	-2087	23813	0	130	23813	3387	481	27681	50.02
13	6674	168	144	6986	239	5217	0	2149	11465	11316	-2047	23389	0	43	23389	3348	471	27208	49.98
14	6501	165	164	6830	161	5145	0	1973	11402	11643	-2019	23276	0	43	23276	3287	457	27020	49.93
15	6599	301	187	7087	157	5735	0	1668	11467	11470	-2315	23341	0	47	23341	3345	461	27147	49.96
16	6689	195	141	7025	131	6223	0	1160	11564	11535	-2056	23555	0	45	23555	3447	463	27465	50.01
17	6763	923	146	7832	162	6245	0	550	10337	10262	-1841	22747	0	0	22747	3411	463	26621	50.01
18	6788	1741	229	8758	205	6198	0	76	9239	9190	-1689	22243	0	0	22243	3345	495	26083	49.96
19	6811	1649	284	8744	230	6178	0	1	9571	9641	-1658	22648	0	0	22648	3332	488	26468	49.99
20	6795	622	286	7703	244	6223	0	0	10024	10032	-1639	22068	0	0	22068	3216	495	25779	50.02
21	7026	365	286	7677	287	5978	0	0	8947	8718	-1588	20593	0	0	20593	3067	479	24139	49.93
22	7230	290	288	7808	380	5503	0	0	8560	8369	-1516	20064	0	0	20064	2958	480	23502	50.02
23	7403	249	290	7942	482	5542	0	0	8388	8381	-1620	20274	0	0	20274	2898	453	23625	49.97
24	7294	195	292	7781	622	5743	0	0	8546	8083	-1679	20122	0	0	20122	2882	428	23432	50.00
MUs	166.30	10.87	4.48	181.66	11.89	136.93	0.00	14.88	239.29	236.74	-41.54	530.07	0.00	0.47	530.07	69.72	10.47	610.26	49.99

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 done due to overloading of 220kv Jejuri-Baramati line due to system under voltage.
- 2) FLS for load management due to 132kv Kamthadi-Phursingi line overloading.
- 3) ELR done due to 132 kV Sangamner-BBLR & Rahuri-BBLR line overloading.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Oct/2023

Position as on 6.30 Hrs of 01/Nov/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	31/10/2023	11:20	Turbine Bearing no.4 temperature high	01/11/2023
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
IPP	RPL(AMT) U-2	270	12/10/2023	07:59		Continued.	Tripped Due to Electrical protection opted.	20/11/2023
MSPGCL	Uran Unit 8	108	22/10/2023	12:17	31/10/2023	12:52	Gas shortage	31/10/2023
MSPGCL	Ghatghar Unit-2	125	27/10/2023	00:00		Continued.	Guide vain not openning	
MSPGCL	Koradi Unit-10	660	29/10/2023	19:03	31/10/2023	13:55	Boiler Tube Leakage	01/11/2023
MSPGCL	Chandrapur Unit 5	500	31/10/2023	02:12	31/10/2023	19:47	Drum level low	
MSPGCL	Uran Unit 8	108	31/10/2023	14:42	31/10/2023	16:43	Bad instrument signal	31/10/2023
IPP	JPL Unit 1	150	31/10/2023	16:33	31/10/2023	19:05	Master field trip	
MSPGCL	Koyana Unit 12	80	31/10/2023	18:05	31/10/2023	21:30	Governer Problem.	
MSPGCL	Bhusawal Unit 3	210	31/10/2023	23:45		Continued.	ID Fan Problem	
TPC-G	Trombay 7B	60	01/11/2023	01:13		Continued.	reduced APM gas supply rate as ONGC pigging operation is being carried out.	
TPC-G	Trombay 7A	120	01/11/2023	01:17		Continued.	reduced APM gas supply rate as ONGC pigging operation is being carried out.	
MSPGCL	Khaparkhedda Unit 3	210	01/11/2023	04:28	01/11/2023	08:18	Furnace Pressure High	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 01/Nov/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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.
400 KV LINE Outages/Trippings							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
PADGHE - BOISAR (PG)	InterState	27/10/2023	12:32			HT	Outage proposed by Powergrid.
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.
KHARGHAR - VIKHROLI GIS CKT - 1	IntraState	29/10/2023	04:43			HT	Line Hand tripped for safety purpose during tap period of Katai nakka.
KHARGHAR - VIKHROLI GIS CKT - 2	IntraState	29/10/2023	04:45			HT	Line Hand tripped for safety purpose during tap period of Katai nakka.
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.
STATION TRANSFORMER - 8A @ CHANDRAPUR SWITCHING SS	IntraState	23/10/2023	00:10			EO	CHECKING AND TESTING OF TRANSFORMER
400/220KV 500 MVA ICT - 1 @ VIKHROLI GIS	IntraState	28/10/2023	22:20			PO	1) ICTs Hand tripped for safety purpose during tap period of Katai nakka 2) Removal of Tata Power 220KV Lines passing over Vikhroli Substation
400/220KV 500 MVA ICT - 2 @ VIKHROLI GIS	IntraState	28/10/2023	22:27			PO	1) ICTs Hand tripped for safety purpose during tap period of Katai nakka 2) Removal of Tata Power 220KV Lines passing over Vikhroli Substation
400/220KV 500 MVA ICT - 3 @ VIKHROLI GIS	IntraState	28/10/2023	22:32			PO	1) ICTs Hand tripped for safety purpose during tap period of Katai nakka 2) Removal of Tata Power 220KV Lines passing over Vikhroli Substation
STATION TF - 1 @ KORADI -2	IntraState	31/10/2023	11:03	31/10/2023	15:04	PO	1) Tan delta measurement of Line CT & Bus CT 2) Routine Bay 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) - NAVASARI CKT - 2	IntraState	26/10/2023	20:16			HT	Charged from Navsary end only
LONIKAND (400 KV)-THEUR II	IntraState	31/10/2023	08:25	31/10/2023	20:00	PO	CB Overhauling.
NIGADE- PETH LINE	IntraState	31/10/2023	09:04	31/10/2023	14:44	PO	1.Quarterly Maintenance Work 2.Chemical Washing of insulators of all equipments of line bay and insulator strings

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 01/Nov/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
ONI KHAREPATAN LINE	IntraState	31/10/2023	09:13			PO	Replacement of Auxiliary Switch, Closing coil & Tripping coil each, variable resistor of 220kV Oni-Kharepatan line CB R Ph pole
GHATODI-NANDED	IntraState	31/10/2023	09:20	31/10/2023	14:38	HT	Measurement of c & tan delta of line ct's & cc. cb crm, timing, ir values. routine maintenance work.
NAGOTHANE - IPCL	IntraState	31/10/2023	10:10	31/10/2023	17:32	PO	For Diagnostic testing work at IPCL s/s.
KARAD - OGALEWADI CKT 2	IntraState	31/10/2023	10:20	31/10/2023	13:34	PO	CB and CT Testing
DHAMANGAON NEW- TSS -I	IntraState	31/10/2023	11:06	31/10/2023	17:03	HT	Measurement of c tan delta of cts cb crm, timing ir of cb routine maintenance work.
LONAND-PHALTAN MIDC	IntraState	31/10/2023	12:15	31/10/2023	12:23	PO	Connection of 220kV Jejuri-Lonand line to 220kV Lonand-Phaltan MIDC line through 220kV Auxiliary bus at 220kV Lonand S/stn.
KARAD - OGALEWADI CKT 1	IntraState	31/10/2023	15:02	31/10/2023	20:03	PO	CT Testing
220 KV GHATODI - HINGOLI	IntraState	31/10/2023	15:08	31/10/2023	19:40	HT	Measurement of c & tan delta of line ct's & cc. cb crm, timing, ir values. routine maintenance work.
KARAD - NIGADE	IntraState	31/10/2023	15:30	31/10/2023	18:06	PO	1.Quarterly Maintenance Work 2.Chemical Washing of insulators of all equipments of line bay and insulator strings
MIRAJ - ICHALKARANJI	IntraState	31/10/2023	16:02	31/10/2023	17:45	PO	To attend work of RTU SCADA IED dismental for repair.
ONI KHAREPATAN LINE	IntraState	01/11/2023	09:04			PO	For replacement of insulators detected critical in PID testing.
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.
220/100 KV 100 MVA ICT 2 @ KANDALGAON	IntraState	31/10/2023	09:19	31/10/2023	14:37	PO	Diagnostic testing & Thermosyfon filter changing work to be carried out.
220/132 KV 80 MVA ICT 1 @ HINGANGHAT	IntraState	31/10/2023	10:42	31/10/2023	19:20	HT	For replacement of 12c faulty control cable from ict to crp and ict testing.
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							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 01/Nov/2023

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