

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 17/Oct/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	134.770	2634.755	1) Gujrat	13.350	176.335
2) Hydro	18.581	305.241	2) Madhya Pradesh	9.093	102.774
3) Gas	6.393	98.845	3) Chattisgarh	6.020	70.260
Total MSPGCL	159.744	3038.841	4) Maharashtra	252.863	3274.988
B) 1) APLM	70.031	1061.066	5) Goa (Amona)	-1.832	-26.927
2) JSWEL	29.030	432.271	Total	279.494	3597.430
3) VIPL	0.000	0.000	a) Mumbai Schedule	43.408	601.631
4) RPL(AMT)	25.637	447.352	b) Mumbai Drawl	46.915	674.244
5) SWPGPL	6.326	134.301	c) MSEDCL Bilateral *	137.562	1528.487
6) Other IPP	7.182	86.654	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	43.369	600.634
C) 1) TPCL Thermal	13.076	233.823	Include PX	0.000	0.000
2) TPCL Hydro	5.099	82.539	Standby	0.039	0.997
3) TPCL Gas	1.625	38.637	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.746	167.513	1) MSEDCL	538.514	8356.964
D) STATE			2) Mumbai Discoms	77.461	1196.756
1) Thermal	296.798	5197.735	3) Other Discoms	10.513	174.925
(A1+C1+C4+(B1-B6))			TOTAL STATE	626.488	9728.645
2) Hydro	23.680	387.780			
(A2+C2)					
3) Gas	8.018	137.482			
(A3+B7+C3)					
4) Wind	3.860	140.908			
6) SOLAR	14.638	267.310			
TOTAL STATE	346.994	6131.215			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5404	5818	5899	5489
MSPGCL Hydro	497	1135	1904	140
MSPGCL Gas	276	276	286	164
MSPGCL Total Generation	6177	7229	8089	5793
Central Sector Receipt	13148	12560	10434	11731
WIND	161	108	253	87
CPP / IPP Thermal	5348	5630	6005	5848
CPP / IPP Gas	0	0	0	0
SOLAR	2227	1065	4	0
Exchange with Mumbai	-2596	-2311	-1993	-1736
MSEDCL DEMAND MET	23993	23799	22300	21371
Load Shedding	0	0	791	0
MSEDCL DEMAND	23993	23799	23091	21371
TPCL GENERATION	666	1045	1132	535
AEML GENERATION	479	494	490	342
MUMBAI DEMAND	3741	3850	3615	2613
OTHER DISCOM DEMAND	472	482	492	352
STATE DEMAND MET	28206	28131	26407	24336
STATE DEMAND	28206	28131	27198	24336
Frequency (Hz)	50.02	50.01	49.98	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.23 Hz at 12:07 Hrs	49.65 Hz at 17:54 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 17/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.20	67.03	190	150
Unit 8	0.00	209.26	0	0
Unit 9	14.83	217.79	657	571
Unit 10	0.00	197.17	0	0
Total	19.04	691.25		
Bhusawal				
Unit 3	2.72	50.54	120	95
Unit 4	10.11	136.56	445	350
Unit 5	10.54	144.64	475	370
Total	23.37	331.74		
Parli				
Unit 6	5.26	81.13	234	155
Unit 7	0.00	70.91	0	0
Unit 8	4.85	66.66	245	153
Total	10.11	218.69		
Chandrapur				
Unit 3	2.92	40.76	154	80
Unit 4	3.59	45.94	158	136
Unit 5	0.00	34.06	0	0
Unit 6	3.05	102.24	285	0
Unit 7	7.30	114.82	340	280
Unit 8	11.06	175.81	488	338
Unit 9	11.07	177.64	477	381
Total	38.99	691.28		
Paras				
Unit 3	5.16	83.28	230	199
Unit 4	5.69	86.28	248	223
Total	10.85	169.56		
Khaparkheda				
Unit 1	3.87	60.76	185	135
Unit 2	0.57	37.78	123	0
Unit 3	3.86	53.15	167	149
Unit 4	3.76	57.62	179	137
Unit 5	10.82	181.08	475	419
Total	22.89	390.38		
Nasik				
Unit 3	3.00	37.94	152	0
Unit 4	3.50	53.17	155	136
Unit 5	3.02	50.74	133	122
Total	9.52	141.85		
Uran				
All Units	6.39	98.84	291	141
Total	6.39	98.84		
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)	0.45	15.00	39	0
Total	0.45	15.00		
Koyna				
Stage 1-2	4.28	65.64	530	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	8.23	126.41	954	0
Stage 3	2.82	42.44	240	0
Total	15.32	234.50		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.65	0	0
TILLARI	0.18	2.28	60	0
BHIRA T.R.	0.28	5.50	77	0
SMLHY_PTN	2.32	43.28	101	93
GHATGHAR	0.03	4.03	17	0
Total	2.81	55.74		
Wind				
Total	3.86	140.91	0	0
Total	3.86	140.91		
CPP				
APML(Mus)	70.03	1061.07	0	0
JSWEL(Mus)	29.03	432.27	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.64	447.35	0	0
SWPGPL-Mus	6.33	134.30	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.33	51.48	268	224
Other(Mus)	0.34	5.76	0	0
JPL	0.51	29.41	103	0
Total	138.21	2161.64		
SOLAR				
Total	14.64	267.31	0	0
Total	14.64	267.31		
Tata				
Trombay 5	8.68	155.56	450	257
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.84	21.68	37	34
Trombay 7B	0.79	16.96	34	32
TATA Hydro	5.10	82.54	437	46
Trombay 8	4.40	78.26	219	130
Total	19.80	355.00		
AEML				
DTPS U-1&2	10.75	167.51	498	342
Total	10.75	167.51		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	134.77	2634.76	MSPGCL Total	159.74	3038.84
			MSPGCL Thml+Gas	141.16	2733.60	Koyna 1,2 & 4 Total	12.50	192.05
			MSPGCL Hydro	18.58	305.24	State Total	346.99	6131.22

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 17/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	5557	151	213	5921	152	6093	0	0	11777	11546	-2077	21245	0	12	21245	3052	390	24687	49.97
2	5523	166	141	5830	161	5824	0	0	11931	11801	-1827	21413	0	0	21413	2800	376	24589	50.00
3	5489	140	164	5793	87	5848	0	0	12077	11731	-1736	21371	0	0	21371	2613	352	24336	50.00
4	5480	139	221	5840	123	5802	0	0	12061	11806	-1609	21638	0	0	21638	2466	324	24428	49.99
5	5445	143	281	5869	125	5933	0	0	12160	11996	-1502	22064	0	0	22064	2418	357	24839	49.99
6	5464	169	289	5922	170	5734	0	0	13005	12734	-1540	22631	0	21	22631	2473	389	25493	49.92
7	5493	501	291	6285	125	5945	0	66	12789	12438	-1616	22837	0	37	22837	2561	406	25804	49.98
8	5572	738	290	6600	229	5800	0	412	12178	11836	-1630	22799	0	20	22799	2715	448	25962	50.01
9	5565	1235	288	7088	136	5269	0	1048	11545	11784	-1959	22882	0	22	22882	3031	484	26397	49.96
10	5556	1248	285	7089	136	5866	0	1615	11281	11443	-2121	23551	0	114	23551	3382	477	27410	50.03
11	5522	897	275	6694	86	5961	0	2007	12565	12156	-2460	23982	0	344	23982	3636	462	28080	50.06
12	5404	497	276	6177	161	5348	0	2227	13291	13148	-2596	23993	0	390	23993	3741	472	28206	50.02
13	5588	487	275	6350	82	5259	0	2166	12953	12171	-2502	23072	0	165	23072	3738	454	27264	50.04
14	5283	930	276	6489	100	4722	0	1863	13248	12955	-2229	23448	0	11	23448	3686	452	27586	50.03
15	5568	1007	278	6853	97	5215	0	1508	13216	12683	-2254	23635	0	52	23635	3792	467	27894	49.99
16	5818	1135	276	7229	108	5630	0	1065	12568	12560	-2311	23799	0	94	23799	3850	482	28131	50.01
17	5857	1598	282	7737	200	5962	0	551	11221	10908	-2134	22736	0	0	22736	3757	488	26981	49.90
18	5925	1727	279	7931	257	6012	0	106	10395	10302	-2016	22104	0	2	22104	3644	488	26236	49.85
19	5899	1904	286	8089	253	6005	0	4	10319	10434	-1993	22300	791	0	23091	3615	492	27198	49.98
20	5829	1271	282	7382	166	5985	0	0	10721	10674	-1876	21862	0	0	21862	3501	469	25832	50.06
21	5833	1122	285	7240	221	5996	0	0	10118	10073	-1711	21346	0	0	21346	3344	472	25163	50.03
22	5813	436	287	6536	203	5978	0	0	10403	10470	-1704	21030	0	0	21030	3223	453	24706	49.96
23	5707	423	286	6416	225	6013	0	0	10320	10700	-1740	21176	0	0	21176	3195	438	24809	49.97
24	5580	517	287	6384	257	6006	0	0	10840	11145	-1772	21599	0	0	21599	3228	421	25248	49.93
MUs	134.77	18.58	6.39	159.74	3.86	138.21	0.00	14.64	282.98	279.49	-46.91	538.51	0.79	1.28	539.30	77.46	10.51	627.28	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)ELR done due to 220Kv Lonand-jejuri line,132Kv kamathi-Phursungi line overload.2)ELR done due to 132Kv Sangamner-BBLR,132 Kv BBLR-Rahuri & MIDC-Sonewadi line overload.3)DLS carried out due to system undervoltage at Lonikand and Jejuri.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 17/Oct/2023

Position as on 6.30 Hrs of 18/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.	18/10/2023
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	20/10/2023
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	19/10/2023
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.	19/10/2023
MSPGCL	Koradi Unit-10	660	14/10/2023	22:19		Continued.	Boiler Tube Leakage	20/10/2023
MSPGCL	Chandrapur Unit 6	500	15/10/2023	19:53	17/10/2023	10:41	DUE TO SUSPECTED BTL AT BOILER 57 MTRS ELEVATION 1ST PASS LEFT SIDE.	18/10/2023
MSPGCL	Parli Unit 7	250	16/10/2023	04:00	18/10/2023	04:15	Boiler Tube Leakage	19/10/2023
MSPGCL	Koradi Unit 8	660	16/10/2023	10:40		Continued.	Boiler Tube Leakage	21/10/2023
MSPGCL	Uran Unit 7	108	17/10/2023	00:33	17/10/2023	01:52	Tripped on Impedance Protection	
MSPGCL	Khaparkhedha Unit 2	210	17/10/2023	04:50	18/10/2023	02:24	FD Fan Problem.	18/10/2023
IPP	JPL Unit 1	150	17/10/2023	05:25		Continued.	Low Vaccum	19/10/2023
MSPGCL	Ghatghar Unit-2	125	17/10/2023	18:06	17/10/2023	20:55	G/M link fault	
MSPGCL	Nasik Unit 3	210	17/10/2023	21:16		Continued.	Heavy Hunting in CVSM	20/10/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 17/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 18/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/Trippings							
MAIN BAY (706) OF KORADI 3 CKT-1 @ AKOLA 2	IntraState	17/10/2023	11:03	17/10/2023	18:59	PO	Annual Bay Maintenance
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 (409) of EKTUNI CKT-1 @ TAPTITANDA	IntraState	16/10/2023	12:28			PO	Circuit Breaker Mechanism overhauling work to be carried out by M/s CGL through M/s Ajaydeep
400 KV LR Outages/Trippings							
400KV KORADI-BHUSAWAL (Koradi end)	IntraState	17/10/2023	06:31	17/10/2023	18:35	PO	Routine Maint. 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 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.
BABHALESHWAR - PADGHE CKT - 2	IntraState	16/10/2023	07:21			PO	CB pole overhauling 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 managemnet
APTA - KALWA	IntraState	15/10/2023	09:20	17/10/2023	14:48	PO	CB POLE overhauling work by keeping the line on TBC.
ONI KHAREPATAN LINE	IntraState	15/10/2023	10:54			PO	Replacement of Auxiliary Switch, Closing coil & Tripping coil each, variable resistor of 220kV Oni-Kharepatan line CB
GHATGHAR - JINDAL	IntraState	16/10/2023	09:28			PO	1)For flashover disc Insulator replacement work at loc no 138(Bottom-ph), 2) For broken disc insulator replacement work Loc 131
JEJURI - KONDHWA	IntraState	17/10/2023	00:28	17/10/2023	06:14	PO	1) Replacement of SSN Clamp L.No. 12 (B-Ph), 16 (Y-Ph), 17(Y-Ph), 32(R, Y, B-Ph), 33 (R, B-Ph), 36 (R-Ph), 21 (R, Y, B-Ph), 26 (R, Y-Ph), 30(R, Y, B-Ph). 2) Tightening of Nut Bolt - At L.No. 21 (R, Y, B-Ph), 26 (Y, R-Ph), 30(R, Y, B-Ph). 3) Replacement of SSN String at L. No. 64 B-Ph due to flashover 4) Replacement of Nut-Bolt at 220kV Jejuri-Kondhwa Line L.No. 65 & 66
220 KV AMRAVATI - KARANJA CKT	IntraState	17/10/2023	09:15	17/10/2023	20:07	PO	CT Replacement

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 18/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KORADI-KHAPERKHEDA	IntraState	17/10/2023	09:20	17/10/2023	16:33	PO	Replacement of CT in LE scheme
VITA WAIPHALE	IntraState	17/10/2023	10:09	17/10/2023	17:43	PO	Cold washing of insulator
CHANDRAPUR MIDC - BALLARSHAH CKT II	IntraState	17/10/2023	10:48	17/10/2023	15:58	PO	Testing and Routine Maintenance work
URAN - APTA CKT - 1	IntraState	17/10/2023	11:56	17/10/2023	15:52	PO	Bay Maintenance Work and Diagnostic Testing
BOISAR - VERSOVA	IntraState	17/10/2023	12:45	17/10/2023	15:27	T	Tripped at Versova end only
BOISAR II - BOISAR (PG) CKT - 2	IntraState	17/10/2023	12:45	17/10/2023	15:35	T	Tripped on distance protection
BOISAR II - BOISAR (PG) CKT - 1	IntraState	17/10/2023	12:45	17/10/2023	13:52	T	Tripped at Boisar PG end only
KARAD - WATHAR	IntraState	17/10/2023	16:07	17/10/2023	18:34	PO	Replacement of LMU work & Quarterly maint work.
PEDAMBE-KALAMBANI(TSS)	IntraState	17/10/2023	16:42	18/10/2023	22:52	T	Tripped on distance projection
APTA - TAMBATI	IntraState	18/10/2023	05:29			PO	"Twin jumperring work. "
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.
220/33 KV 50 MVA PTR 1	IntraState	17/10/2023	11:00	17/10/2023	16:10	PO	Diagnostic Testing & Quarterly maintenance work
220/132 KV 200 MVA ICT 1	IntraState	17/10/2023	11:02	17/10/2023	17:30	PO	132KV LV CT Bus Bar core ratio change
100 MVA 220/132 KV ICT - II	IntraState	17/10/2023	11:46	17/10/2023	17:24	PO	Testing and Bay 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.
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