

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	143.916	4080.323	1) Gujrat	9.324	396.046
2) Hydro	35.503	544.890	2) Madhya Pradesh	5.333	244.751
3) Gas	7.260	73.530	3) Chattisgarh	1.740	54.400
Total MSPGCL	186.679	4698.743	4) Maharashtra	186.283	5204.859
B) 1) APML	48.294	1679.935	5) Goa (Amona)	-1.435	-48.712
2) JSWEL	23.416	539.198	Total	201.245	5851.344
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.735	961.427
4) RPL(AMT)	25.608	829.420	b) Mumbai Drawl	31.842	1075.685
5) SWPGPL	12.228	317.130	c) MSEDCL Bilateral *	73.773	2857.496
6) Other IPP	6.991	194.619	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.717	961.384
C) 1) TPCL Thermal	16.265	387.359	Include PX	0.000	0.000
2) TPCL Hydro	7.053	184.546	Standby	0.017	0.043
3) TPCL Gas	2.053	80.874	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.935	293.143	1) MSEDCL	485.913	14269.014
D) STATE			2) Mumbai Discoms	69.150	2021.605
1) Thermal	288.653	8321.127	3) Other Discoms	10.542	313.168
(A1+C1+C4+(B1-B6))			TOTAL STATE	565.605	16603.787
2) Hydro	42.556	729.436			
3) Gas	9.313	154.404			
4) Wind	8.295	1176.335			
6) SOLAR	15.541	371.143			
TOTAL STATE	364.358	10752.445			

* 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 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	6071	6027	5865	6007
MSPGCL Hydro	1598	1557	1702	1556
MSPGCL Gas	284	273	326	292
MSPGCL Total Generation	7953	7857	7893	7855
Central Sector Receipt	10382	8914	7809	7136
WIND	233	288	449	389
CPP / IPP Thermal	4659	4719	5095	4674
CPP / IPP Gas	0	0	0	0
SOLAR	1923	1411	0	0
Exchange with Mumbai	-1851	-1800	-1346	-864
MSEDCL DEMAND MET	22813	20926	19417	18813
Load Shedding	607	2986	3371	867
MSEDCL DEMAND	23420	23912	22788	19680
TPCL GENERATION	1031	1069	1269	1017
AEML GENERATION	498	502	502	500
MUMBAI DEMAND	3380	3371	3117	2381
OTHER DISCOM DEMAND	486	463	483	377
STATE DEMAND MET	26679	24760	23017	21571
STATE DEMAND	27286	27746	26388	22438
Frequency (Hz)	49.89	49.80	49.91	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.13 Hz at 13.01 Hrs	49.51 Hz at 22.25 Hrs	49.93	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/Aug/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.02	99.42	180	155
Unit 8	11.24	310.07	547	405
Unit 9	10.21	374.60	479	395
Unit 10	0.00	0.00	0	0
Total	25.46	784.09		
Bhusawal				
Unit 3	3.19	94.62	140	120
Unit 4	9.66	262.17	460	375
Unit 5	9.96	287.28	460	370
Total	22.81	644.07		
Parli				
Unit 6	5.14	113.33	230	160
Unit 7	4.50	112.10	216	133
Unit 8	4.76	103.54	211	193
Total	14.40	328.97		
Chandrapur				
Unit 3	3.65	94.93	165	130
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	8.61	191.99	395	320
Unit 7	6.32	217.82	314	235
Unit 8	10.30	314.07	470	374
Unit 9	10.94	316.03	480	410
Total	39.82	1134.85		
Paras				
Unit 3	4.95	131.84	218	188
Unit 4	4.87	144.80	228	169
Total	9.82	276.64		
Khaparkheda				
Unit 1	3.34	74.02	150	120
Unit 2	2.68	83.31	122	91
Unit 3	3.75	110.75	170	134
Unit 4	3.63	121.75	166	116
Unit 5	10.63	304.12	460	430
Total	24.03	693.96		
Nasik				
Unit 3	0.32	46.56	127	0
Unit 4	3.79	97.12	165	142
Unit 5	3.46	74.07	164	125
Total	7.57	217.75		
Uran				
All Units	7.26	73.53	379	273
Total	7.26	73.53		
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)	0.92	23.23	53	0
Total	0.92	23.23		
Koyna				
Stage 1-2	6.22	100.37	390	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	17.46	193.28	755	600
Stage 3	5.71	69.42	240	210
Total	29.39	363.07		
Hydro				
KDPH	0.76	11.36	36	18
VTRNA	0.00	0.91	0	0
TILLARI	0.00	2.10	0	0
BHIRA T.R.	0.48	13.99	80	0
SMLHY_PTN	3.96	121.70	179	154
GHATGHAR	0.00	8.53	0	0
Total	5.20	158.59		
Wind				
Total	8.30	1176.34	0	0
Total	8.30	1176.34		
CPP				
APML(Mus)	48.29	1679.94	0	0
JSWEL(Mus)	23.42	539.20	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.61	829.42	0	0
SWPGPL-Mus	12.23	317.13	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.18	164.62	259	254
Other(Mus)	0.82	29.99	0	0
Total	116.54	3560.30		
SOLAR				
Total	15.54	371.14	0	0
Total	15.54	371.14		
Tata				
Trombay 5	10.68	255.76	456	396
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.12	47.98	98	38
Trombay 7B	0.93	32.89	61	34
TATA Hydro	7.05	184.55	441	159
Trombay 8	5.58	131.60	245	223
Total	25.37	652.78		
AEML				
DTPS U-1&2	11.94	293.14	502	437
Total	11.94	293.14		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	143.92	4080.32	MSPGCL Total	186.68	4698.74
			MSPGCL Thml+Gas	151.18	4153.85	Koyna 1,2 & 4 Total	23.68	293.65
			MSPGCL Hydro	35.50	544.89	State Total	364.36	10752.44

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 31/Aug/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	6073	1574	291	7938	435	4670	0	0	6920	7102	-991	18774	784	0	19558	2549	380	22487	49.87
2	6007	1556	292	7855	389	4674	0	0	7308	7136	-864	18813	867	0	19680	2381	377	22438	49.94
3	5968	1608	294	7870	342	4672	0	0	7391	7530	-767	19299	765	0	20064	2225	348	22637	49.97
4	5947	1604	294	7845	316	4704	0	0	7626	7728	-731	19515	738	0	20253	2129	347	22729	49.99
5	5937	1604	293	7834	314	4693	0	0	7751	7927	-696	19717	1097	0	20814	2109	355	23278	49.94
6	5953	1582	293	7828	229	4692	0	0	7963	8255	-785	19832	2306	0	22138	2227	387	24752	49.94
7	6046	1468	293	7807	255	4669	0	69	8030	8077	-923	19547	3056	0	22603	2375	407	25385	49.98
8	6138	1297	291	7726	329	4691	0	453	8634	8665	-1087	20332	1644	0	21976	2543	445	24964	50.02
9	6077	1195	290	7562	307	4695	0	1024	9203	9215	-1385	20943	974	0	21917	2864	475	25256	50.02
10	6118	1381	286	7785	250	4703	0	1645	9500	9635	-1646	21890	207	0	22097	3170	481	25749	49.94
11	6071	1598	284	7953	233	4659	0	1923	10013	10382	-1851	22813	607	0	23420	3380	486	27286	49.89
12	6076	1234	278	7588	152	4661	0	1982	10245	9832	-1901	21839	1301	0	23140	3443	475	27058	49.97
13	6097	1385	280	7762	132	4685	0	2031	9979	10196	-1850	22497	0	0	22497	3387	459	26343	49.94
14	6084	1630	277	7991	93	4707	0	2041	9439	9936	-1785	22525	962	0	23487	3287	458	27232	49.98
15	5930	1452	279	7661	197	4733	0	1747	9321	9016	-1797	21119	2586	0	23705	3326	438	27469	49.91
16	6027	1557	273	7857	288	4719	0	1411	9106	8914	-1800	20926	2986	0	23912	3371	463	27746	49.80
17	5921	1538	278	7737	373	4841	0	851	8718	8554	-1701	20181	2650	0	22831	3344	474	26649	49.93
18	5847	1459	280	7586	388	4935	0	332	8543	8297	-1541	19513	1261	0	20774	3255	484	24513	49.91
19	5871	1675	287	7833	347	4963	0	32	7998	8297	-1416	19559	2077	0	21636	3155	497	25288	49.90
20	5865	1702	326	7893	449	5095	0	0	7751	7809	-1346	19417	3371	0	22788	3117	483	26388	49.91
21	5867	1401	376	7644	536	5235	0	0	7362	7236	-1259	18922	2588	0	21510	3001	470	24981	49.99
22	6000	1309	379	7688	604	5381	0	0	7551	7548	-1231	19518	1482	0	21000	2888	472	24360	49.92
23	6003	1570	378	7951	719	5472	0	0	7115	7345	-1232	19800	1813	0	21613	2832	455	24900	49.77
24	5993	1126	368	7487	618	5588	0	0	7221	6611	-1257	18621	2183	0	20804	2790	426	24020	49.91
MUs	143.92	35.50	7.26	186.68	8.30	116.54	0.00	15.54	200.69	201.25	-31.84	485.91	38.30	0.00	524.22	69.15	10.54	603.91	49.93

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 :-

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

Position as on 6.30 Hrs of 01/Sep/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.	05/10/2023
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault(converted to Capital overhaul from 00.00Hrs DT.27-07-2023)	13/09/2023
MSPGCL	Koyna STG-IV Unit-1	250	05/06/2023	16:30		Continued.	Annual Overhaul	18/09/2023
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
MSPGCL	Koradi Unit-10	660	11/07/2023	00:45		Continued.	Capital Overhaul.	07/09/2023
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	23/09/2023
MSPGCL	Chandrapur Unit 4	210	27/07/2023	03:00		Continued.	OVERHAUL	02/09/2023
IPP	Adani U-4	660	12/08/2023	23:44		Continued.	Annual Overhaul	05/09/2023
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	JSW (J) U1	300	02/08/2023	06:42	31/08/2023	15:50	Condenser cooling water problem heavy leakage	30/08/2023
MSPGCL	Koyna Unit 7	80	13/08/2023	09:00		Continued.	Spherical Valve maintenance	02/09/2023
MSPGCL	Nasik Unit 3	210	13/08/2023	16:00	31/08/2023	10:22	Boiler Tube Leakage (Tolling from 15:00 hrs on Dt 14.08.2023.)	
IPP	RPL(AMT) U-4	270	22/08/2023	18:46		Continued.	Generator Stator Earth Fault	01/10/2023
IPP	Adani U-1	660	28/08/2023	21:21	31/08/2023	18:48	Due to APH A Hot SA heavy bellow leakage.	31/08/2023
MSPGCL	Uran Unit 6	108	30/08/2023	23:29	31/08/2023	18:37	Gas shortage	
MSPGCL	Nasik Unit 3	210	31/08/2023	10:35	31/08/2023	10:45	Vacuum protection operated	
MSPGCL	Nasik Unit 3	210	31/08/2023	14:50	01/09/2023	02:30	BOTH EMERGENCY LIFT PUMP TRIPPED	
MSPGCL	Uran Unit 6	108	31/08/2023	23:56		Continued.	Gas shortage	

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

Statement-VII

Position as on 6.30 Hrs of 01/Sep/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 (401) OF ICT - 1 @ KORADI 3	IntraState	01/09/2023	09:37			HT	Annual maintenance of CB
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)
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	24/08/2023	06:20			HT	H/T to control loading
KHADKA-AURANGABAD (WALUJ)	IntraState	30/08/2023	18:49	31/08/2023	09:29	HT	H/T For Voltage management.
JEJURI - KARAD	IntraState	31/08/2023	10:29	31/08/2023	20:39	PO	PID Faulty disc Insulator replacement work & Cold line washing work
JEJURI - KARAD	IntraState	31/08/2023	10:29	31/08/2023	20:39	PO	For Maintenance & Testing work
KHADKA-AURANGABAD (WALUJ)	IntraState	31/08/2023	11:24			PO	1) Installation of new Digital LA Monitoring Device. 2) Routine Maintenance and Diagnostic Testing 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 MAINBAY Outages/Trippings							
TBC @ HINJEWADI-2	IntraState	30/08/2023	09:22			PO	Half yearly maintenance
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - PADGHE	IntraState	22/07/2023	21:09			HT	As per usual practice line is H/T
AAREY - MSETCL BORIVALI CKT - 2	IntraState	15/08/2023	06:02			T	Tripped on 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.
LOTEPARSHURAM- DASTURI LINE	IntraState	30/08/2023	14:39	31/08/2023	23:52	PO	For erection of new tower against rusted tower in lote (P) MIDC Area at loc no. 95, 96, 99, 102, 104
YEOTMAL- PUSAD	IntraState	31/08/2023	04:09	31/08/2023	08:53	T	Distance Protection
BHUGAON - WARDHA (PG)	IntraState	31/08/2023	06:30	31/08/2023	07:35	T	Tripped at Bhugaon end only
TAMBATI - ADLABS	IntraState	31/08/2023	07:32	31/08/2023	10:10	PO	Yph Main Metering PT leakage attending work and Metering PT Bus isolator maintenance and overhauling work at 220kv adlabs Consumer end
ADLABS - PEDAMBE	IntraState	31/08/2023	07:40	31/08/2023	11:05	PO	Yph Main Metering PT leakage attending work and Metering PT Bus isolator maintenance and overhauling work at 220kv adlabs Consumer end
NIGADE- PETH LINE	IntraState	31/08/2023	09:17	31/08/2023	18:01	PO	Cold line washing of insulator strings
MUMEWADI -HALKARNI 1 LINE	IntraState	31/08/2023	10:24	31/08/2023	14:35	PO	For Diagnostic Testing of CB & Maintenance work of bay equipments
YEOTMAL- PUSAD	IntraState	31/08/2023	13:02	31/08/2023	16:42	EO	CC Replacement work.

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

Statement-VII

Position as on 6.30 Hrs of 01/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KANDALGAON - KOYNA (POPHALI)	IntraState	31/08/2023	14:10	31/08/2023	21:48	PO	For erection of new tower against rusted tower in Lote (P) MIDC Area at loc no. 95, 96, 99, 102, 104
LOTEPARSHURAM- DASTURI LINE	IntraState	31/08/2023	14:14	31/08/2023	22:08	PO	For erection of new tower against rusted tower in lote (P) MIDC Area at loc no. 95, 96, 99, 102, 104
MUMEWADI -HALKARNI 2 LINE	IntraState	31/08/2023	14:38	31/08/2023	17:09	PO	For Diagnostic Testing of CB & Maintenance work of bay equipments
TROMBAY - SALSETTE CKT - 1	IntraState	31/08/2023	23:12	01/09/2023	07:29	PO	A-Ph conductor replacement in view of annealing AND R/M
HINJAWADI I- CHINCHWAD	IntraState	01/09/2023	08:36			PO	On. 30.08.23 Conductor paying out & Final sag(Location 161 to 161 A) ∩ Circuit II ∩ Top circuit On. 31.08.23 Conductor paying out & Final sag (Location 161 to 161 A) ∩ circuit ∩ I ∩ Bottom Circuit On. 01.09.23 Conductor paying out & Final sag (Location 161 to 161 A) ∩ Circuit II ∩ Bottom Circuit
BABLESHWAR -BHENDA	IntraState	01/09/2023	09:55			PO	Replacement of damage conductor observed while patrolling of the line by LMSD BBLR employees between loc no 99 and 100 B 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.
220/33KV 50MVA PTR 1 @ KURKUMBH	IntraState	31/08/2023	09:10	31/08/2023	18:27	PO	OLTC Overhauling of PTR
220/132 KV 100MVA ICT 2 @ BARAMATI	IntraState	31/08/2023	10:50	31/08/2023	15:24	PO	Quarterly maintenance work
220/132-110 KV 100MVA ICT No-02 @ OGLEWADI	IntraState	31/08/2023	10:52	31/08/2023	17:24	PO	Retrofitting work of T60 GE make Differential protection relay
220/132 KV 100 MVA ICT - 1 @ ALEPHATA	IntraState	31/08/2023	11:07	31/08/2023	22:17	PO	For B phase OLTC Diverter switch contact replacement with oil filtration.
220/132 KV 200MVA ICT 1 @ JALNA	IntraState	31/08/2023	11:36	31/08/2023	13:14	PO	To attendent red hot on LV bay Y-ph CT
100 MVA 220/132 KV ICT - II @ JALKOT	IntraState	31/08/2023	12:10	31/08/2023	15:04	PO	Replacement of Butter fly valve of CTR NIFPS system
220/22 KV 50 MVA PTR 3 @ CHAKAN	IntraState	31/08/2023	12:53	31/08/2023	19:01	PO	For attending oil leakages and rewiring of Fan from FCC.
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.
MAIN BUS - 1 @ PHALTAN MIDC- 220 KV	IntraState	30/08/2023	11:34			PO	220kV Bus PT Extension Work
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