

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Aug/2023 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	147.116	3936.407	1) Gujrat	10.762	386.722
2) Hydro	31.930	509.387	2) Madhya Pradesh	6.474	239.418
3) Gas	7.033	66.270	3) Chattisgarh	1.420	52.660
Total MSPGCL	186.079	4512.064	4) Maharashtra	185.809	5018.576
B) 1) APLM	46.476	1631.641	5) Goa (Amona)	-1.600	-47.277
2) JSWEL	21.454	515.782	Total	202.865	5650.099
3) VIPL	0.000	0.000	a) Mumbai Schedule	25.554	934.692
4) RPL(AMT)	25.684	803.812	b) Mumbai Drawl	29.365	1043.843
5) SWPGPL	12.229	304.902	c) MSEDCL Bilateral *	87.410	2783.723
6) Other IPP	6.867	187.628	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	25.554	934.666
C) 1) TPCL Thermal	16.002	371.094	Include PX	0.000	0.000
2) TPCL Hydro	6.905	177.493	Standby	0.000	0.026
3) TPCL Gas	2.100	78.821	H) ENERGY CATERED (MUs)		
4) AEML Thermal	12.028	281.208	1) MSEDCL	488.754	13783.101
D) STATE			2) Mumbai Discoms	66.400	1952.455
1) Thermal	287.856	8032.474	3) Other Discoms	10.466	302.626
(A1+C1+C4+(B1-B6))			TOTAL STATE	565.620	16038.182
2) Hydro (A2+C2)	38.835	686.880			
3) Gas (A3+B7+C3)	9.133	145.091			
4) Wind	10.562	1168.040			
6) SOLAR	16.369	355.602			
TOTAL STATE	362.755	10388.087			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6244	6063	6393	5893
MSPGCL Hydro	1435	1244	1133	1336
MSPGCL Gas	288	282	286	287
MSPGCL Total Generation	7967	7589	7812	7516
Central Sector Receipt	10401	9475	7700	6833
WIND	144	226	703	687
CPP / IPP Thermal	4731	4658	4684	4718
CPP / IPP Gas	0	0	0	0
SOLAR	2022	1886	0	0
Exchange with Mumbai	-1858	-1700	-1161	-688
MSEDCL DEMAND MET	22938	21692	19250	18728
Load Shedding	691	1600	1293	938
MSEDCL DEMAND	23629	23292	20543	19666
TPCL GENERATION	939	954	1261	1021
AEML GENERATION	500	501	502	501
MUMBAI DEMAND	3297	3155	2924	2210
OTHER DISCOM DEMAND	469	442	488	338
STATE DEMAND MET	26704	25289	22662	21276
STATE DEMAND	27395	26889	23955	22214
Frequency (Hz)	49.97	49.93	49.86	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.14 Hz at 06.02 Hrs	49.53 Hz at 22.19 Hrs	49.94	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 30/Aug/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.48	95.40	165	125
Unit 8	12.07	298.83	542	464
Unit 9	11.56	364.40	530	425
Unit 10	0.00	0.00	0	0
Total	27.12	758.62		
Bhusawal				
Unit 3	2.94	91.42	140	115
Unit 4	9.74	252.50	455	360
Unit 5	9.20	277.33	435	340
Total	21.88	621.26		
Parli				
Unit 6	5.55	108.18	250	222
Unit 7	5.39	107.59	241	202
Unit 8	4.78	98.78	217	150
Total	15.73	314.56		
Chandrapur				
Unit 3	3.71	91.28	165	145
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	7.76	183.39	390	275
Unit 7	7.34	211.51	326	281
Unit 8	10.28	303.77	470	390
Unit 9	10.53	305.08	471	403
Total	39.62	1095.03		
Paras				
Unit 3	5.13	126.89	233	188
Unit 4	5.17	139.93	242	192
Total	10.30	266.82		
Khaparkheda				
Unit 1	3.86	70.68	185	115
Unit 2	2.67	80.63	130	82
Unit 3	4.20	107.00	181	157
Unit 4	4.10	118.13	187	157
Unit 5	10.43	293.49	450	420
Total	25.27	669.93		
Nasik				
Unit 3	0.00	46.24	0	0
Unit 4	3.68	93.33	165	139
Unit 5	3.52	70.60	155	138
Total	7.20	210.18		
Uran				
All Units	7.03	66.27	376	280
Total	7.03	66.27		
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)	0.69	22.31	53	0
Total	0.69	22.31		
Koyna				
Stage 1-2	6.04	94.14	375	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	15.78	175.82	754	470
Stage 3	4.52	63.71	240	0
Total	26.33	333.68		
Hydro				
KDPH	0.86	10.60	36	36
VTRNA	0.00	0.91	0	0
TILLARI	0.00	2.10	0	0
BHIRA T.R.	0.47	13.51	80	0
SMLHY_PTN	3.57	117.74	157	141
GHATGHAR	0.00	8.53	0	0
Total	4.91	153.40		
Wind				
Total	10.56	1168.04	0	0
Total	10.56	1168.04		
CPP				
APML(Mus)	46.48	1631.64	0	0
JSWEL(Mus)	21.45	515.78	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.68	803.81	0	0
SWPGPL-Mus	12.23	304.90	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.16	158.45	259	254
Other(Mus)	0.71	29.18	0	0
Total	112.71	3443.76		
SOLAR				
Total	16.37	355.60	0	0
Total	16.37	355.60		
Tata				
Trombay 5	10.54	245.08	456	392
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.15	46.86	97	39
Trombay 7B	0.95	31.96	60	35
TATA Hydro	6.90	177.49	434	195
Trombay 8	5.46	126.02	238	216
Total	25.01	627.41		
AEML				
DTPS U-1&2	12.03	281.21	503	499
Total	12.03	281.21		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	147.12	3936.41	MSPGCL Total	186.08	4512.06
			MSPGCL Thml+Gas	154.15	4002.68	Koyna 1,2 & 4 Total	21.81	269.97
			MSPGCL Hydro	31.93	509.39	State Total	362.76	10388.09

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/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	5920	1588	289	7797	509	4725	0	0	6729	6963	-955	18620	909	0	19529	2536	419	22484	49.96
2	5903	1544	289	7736	678	4726	0	0	6606	6592	-817	18543	1065	0	19608	2358	372	22338	50.01
3	5893	1336	287	7516	687	4718	0	0	6667	6833	-688	18728	938	0	19666	2210	338	22214	50.00
4	5946	1200	288	7434	725	4724	0	0	7122	7031	-678	18906	946	0	19852	2120	330	22302	50.01
5	6033	1146	289	7468	731	4737	0	0	7687	7428	-630	19376	563	0	19939	2093	358	22390	50.01
6	6082	1408	288	7778	467	4727	0	0	8361	8689	-679	20604	323	0	20927	2181	378	23486	49.97
7	6140	1405	285	7830	344	4711	0	100	8547	8798	-811	20552	1995	0	22547	2300	420	25267	50.00
8	6100	1249	287	7636	266	4712	0	521	9142	9302	-1039	20965	1101	0	22066	2494	433	24993	50.05
9	6177	1214	285	7676	231	4707	0	1150	9093	9472	-1330	21451	0	0	21451	2811	455	24717	50.04
10	6263	1336	283	7882	212	4728	0	1681	9049	9513	-1591	21971	0	0	21971	3094	454	25519	49.99
11	6249	1231	282	7762	178	4729	0	1984	10004	10158	-1807	22520	0	0	22520	3276	484	26280	49.99
12	6244	1435	288	7967	144	4731	0	2022	10165	10401	-1858	22938	691	0	23629	3297	469	27395	49.97
13	6308	1040	280	7628	132	4731	0	2091	9610	9576	-1809	21899	671	0	22570	3257	450	26277	49.97
14	6129	1349	282	7760	172	4677	0	2059	9473	9827	-1691	22350	68	0	22418	3140	454	26012	49.99
15	6063	1244	282	7589	226	4658	0	1886	9534	9475	-1700	21692	1600	0	23292	3155	442	26889	49.93
16	5996	1121	282	7399	313	4712	0	1469	9156	9078	-1612	20895	797	0	21692	3163	464	25319	49.96
17	6060	1256	280	7596	500	4648	0	958	9352	9053	-1505	20764	1398	0	22162	3108	486	25756	49.91
18	6105	1098	281	7484	566	4622	0	411	9074	8854	-1370	20085	785	0	20870	3008	482	24360	49.94
19	6176	1511	285	7972	619	4696	0	37	8556	8115	-1197	19764	775	0	20539	2915	478	23932	49.87
20	6393	1133	286	7812	703	4684	0	0	8187	7700	-1161	19250	1293	0	20543	2924	488	23955	49.86
21	6336	1449	291	8076	656	4627	0	0	7898	7773	-1130	19539	0	0	19539	2857	463	22859	49.85
22	6241	1582	347	8170	509	4671	0	0	7682	7657	-1101	19445	0	0	19445	2767	461	22673	49.81
23	6201	1531	376	8108	536	4625	0	0	7408	7541	-1094	19263	292	0	19555	2680	453	22688	49.70
24	6158	1524	321	8003	458	4684	0	0	7271	7036	-1112	18637	882	0	19519	2656	432	22607	49.85
MUs	147.12	31.93	7.03	186.08	10.56	112.71	0.00	16.37	202.37	202.86	-29.37	488.75	17.09	0.00	505.85	66.40	10.47	582.71	49.94

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 30/Aug/2023

Position as on 6.30 Hrs of 31/Aug/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	31/08/2023
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		Continued.	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		Continued.	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		Continued.	Due to APH A Hot SA heavy bellow leakage.	31/08/2023
MSPGCL	Uran Unit 6	108	29/08/2023	10:17	30/08/2023	20:55	Gas shortage	
MSPGCL	Koyna STG-IV Unit-4	250	30/08/2023	01:51	30/08/2023	04:15	Unit 4 governor oil sump tank temperature very high.	30/08/2023
MSPGCL	Koyna STG-IV Unit-4	250	30/08/2023	07:48	30/08/2023	10:15	Governor oil temp very high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2023

Statement-VII

Position as on 6.30 Hrs of 31/Aug/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV TIEBAY Outages/Trippings							
TIE BAY-420 OF ICT - 2 @ KORADI -2	IntraState	30/08/2023	10:00	30/08/2023	14:28	PO	1) Diagnostic testing of Circuit Breaker & Current Transformer at bay 420
400 KV LR Outages/Trippings							
400KV KORADI-BHUSAWAL (Koradi end)	IntraState	30/08/2023	06:20	30/08/2023	12:40	PO	Urgent string replacement work at Loc. No. 692 R phase due to a broken discs.
400 KV LINE Outages/Trippings							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49	30/08/2023	18:49	PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
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 ȳȳ 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	29/08/2023	21:16	30/08/2023	06:10	HT	H/T on Overvoltage
DABHOL - NEW KOYNA CKT - 1	IntraState	30/08/2023	11:20	30/08/2023	20:14	PO	PID Faulty String insulators replacement
PARLI-SOLAPUR (LAMBOTI)	IntraState	30/08/2023	11:21	30/08/2023	20:05	PO	(1) Main-1 distance relay testing work. (2) Bay maintenance work. (3) Hardware tightening & fitting work
KHADKA-AURANGABAD (WALUJ)	IntraState	30/08/2023	18:49			HT	H/T For Voltage management.
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.
400/220 KV 3X200 MVA ICT - 2 @ KALWA	IntraState	30/08/2023	05:38	30/08/2023	08:15	HT	Leakage attending work from R ph Neutral bushing
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.
NEW KOYNA - PEDAMBE	IntraState	30/08/2023	08:42	30/08/2023	12:45	PO	To attend unwound conductor strands of B phase CT to LS isolator.
KARAD -NIGADE	IntraState	30/08/2023	09:19	30/08/2023	18:46	PO	Cold line washing of insulator stings
220 KV PARLI -U-8 - PARBHANI CKT	IntraState	30/08/2023	11:12	30/08/2023	14:06	PO	Replacement of R-ph Disc insulator string at Loc no. 291.
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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2023

Statement-VII

Position as on 6.30 Hrs of 31/Aug/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	30/08/2023	14:41	30/08/2023	23:45	PO	For erection of new tower against rusted tower in Lote (P) MIDC Area at loc no. 95, 96, 99, 102, 104
BHUGAON - WARDHA (PG)	IntraState	31/08/2023	06:30			T	Tripped at Bhugaon end only
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 / 105 / 33kV 250 MVA ICT 7 @ DHARAVI	IntraState	30/08/2023	08:17	30/08/2023	09:27	PO	PROJECT WORK-CSD Commissioning
220/132 KV 200 MVA ICT 1	IntraState	30/08/2023	09:57	30/08/2023	15:47	PO	Replacement of damaged jumper of Y-ph LV side - 3 nos. from CT to line isolator, CT to Auxiliary bus isolator CB to line isolator.
220/132KV 200MVA ICT 2 @ PANDHARPUR	IntraState	30/08/2023	10:00	30/08/2023	14:59	PO	Outage is required for OLTC OVERHAULLING WORK
220/33KV 25MVA PTR 1	IntraState	30/08/2023	10:23	30/08/2023	17:40	PO	For replacement of 33KV LVCT.
220/132-110 KV 100 MVA ICT 2	IntraState	30/08/2023	10:52	30/08/2023	17:50	PO	Oil Leakage attending work
220/33 KV 25MVA PTR2	IntraState	30/08/2023	17:54	30/08/2023	20:41	PO	For replacement of 33kV LV CT's
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