

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 04/Sep/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	141.745	584.968	1) Gujrat	6.074	30.747
2) Hydro	13.871	91.243	2) Madhya Pradesh	0.325	17.059
3) Gas	6.913	28.107	3) Chattisgarh	3.100	9.950
Total MSPGCL	162.529	704.318	4) Maharashtra	201.909	802.614
B) 1) APLM	57.837	240.323	5) Goa (Amona)	-1.701	-6.822
2) JSWEL	26.630	106.362	Total	209.707	853.548
3) VIPL	0.000	0.000	a) Mumbai Schedule	33.180	116.474
4) RPL(AMT)	25.484	101.104	b) Mumbai Drawl	37.032	134.145
5) SWPGPL	11.951	47.688	c) MSEDCL Bilateral *	97.309	368.677
6) Other IPP	6.926	27.877	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	33.180	116.438
C) 1) TPCL Thermal	13.149	59.202	Include PX	0.000	0.000
2) TPCL Hydro	4.787	19.525	Standby	0.000	0.035
3) TPCL Gas	2.337	8.361	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.309	39.645	1) MSEDCL	488.956	2018.407
D) STATE			2) Mumbai Discoms	66.614	260.878
1) Thermal	293.031	1207.169	3) Other Discoms	10.649	41.316
(A1+C1+C4+(B1-B6))			TOTAL STATE	566.219	2320.601
2) Hydro	18.658	110.768			
(A2+C2)					
3) Gas	9.250	36.468			
(A3+B7+C3)					
4) Wind	23.464	59.058			
6) SOLAR	12.109	53.590			
TOTAL STATE	356.512	1467.053			

* 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 4 Hrs
MSPGCL Thermal	5989	5851	5927	5918
MSPGCL Hydro	274	380	1228	283
MSPGCL Gas	285	276	284	293
MSPGCL Total Generation	6548	6507	7439	6494
Central Sector Receipt	10671	10217	8403	7128
WIND	603	543	1113	1170
CPP / IPP Thermal	5238	5422	5550	5329
CPP / IPP Gas	0	0	0	0
SOLAR	1521	1415	0	0
Exchange with Mumbai	-2102	-1783	-1347	-1095
MSEDCL DEMAND MET	21992	21847	20677	18662
Load Shedding	0	0	0	0
MSEDCL DEMAND	21992	21847	20677	18662
TPCL GENERATION	861	993	1241	573
AEML GENERATION	409	482	477	311
MUMBAI DEMAND	3372	3258	3065	1979
OTHER DISCOM DEMAND	486	473	482	364
STATE DEMAND MET	25851	25579	24223	21005
STATE DEMAND	25851	25579	24223	21005
Frequency (Hz)	50.03	49.90	50.02	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.24 Hz at 11.36 Hrs	49.78 Hz at 14.21 Hrs	50.02	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 04/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.78	15.90	170	140
Unit 8	13.89	55.22	615	543
Unit 9	11.89	47.56	548	450
Unit 10	0.00	0.00	0	0
Total	29.56	118.67		
Bhusawal				
Unit 3	3.18	12.51	140	120
Unit 4	10.19	38.66	450	395
Unit 5	10.30	39.66	455	395
Total	23.66	90.84		
Parli				
Unit 6	5.25	18.93	250	155
Unit 7	4.95	18.69	223	158
Unit 8	4.47	17.66	222	159
Total	14.67	55.28		
Chandrapur				
Unit 3	3.67	14.41	165	123
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	23.31	0	0
Unit 7	6.98	27.60	323	266
Unit 8	10.49	40.35	470	390
Unit 9	10.30	42.24	446	390
Total	31.44	147.91		
Paras				
Unit 3	4.84	19.25	218	172
Unit 4	4.98	19.51	218	171
Total	9.82	38.76		
Khaparkheda				
Unit 1	2.76	11.47	150	0
Unit 2	2.12	9.50	115	55
Unit 3	3.90	14.97	176	143
Unit 4	3.71	15.40	171	135
Unit 5	10.10	42.17	455	370
Total	22.59	93.51		
Nasik				
Unit 3	3.35	12.11	170	130
Unit 4	3.62	14.36	173	140
Unit 5	3.02	13.53	146	40
Total	10.00	40.00		
Uran				
All Units	6.91	28.11	295	276
Total	6.91	28.11		
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)	0.61	3.81	50	0
Total	0.61	3.81		
Koyna				
Stage 1-2	3.26	17.46	385	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	3.25	37.64	507	0
Stage 3	1.63	12.09	224	0
Total	8.15	67.18		
Hydro				
KDPH	0.43	1.73	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.38	1.69	80	0
SMLHY_PTN	4.22	16.61	181	163
GHATGHAR	0.08	0.22	43	0
Total	5.12	20.25		
Wind				
Total	23.46	59.06	0	0
Total	23.46	59.06		
CPP				
APML(Mus)	57.84	240.32	0	0
JSWEL(Mus)	26.63	106.36	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.48	101.10	0	0
SWPGPL-Mus	11.95	47.69	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.08	24.52	258	233
Other(Mus)	0.85	3.35	0	0
Total	128.83	523.35		
SOLAR				
Total	12.11	53.59	0	0
Total	12.11	53.59		
Tata				
Trombay 5	8.55	38.86	450	252
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.32	4.60	108	39
Trombay 7B	1.01	3.76	64	34
TATA Hydro	4.79	19.52	399	24
Trombay 8	4.60	20.34	226	128
Total	20.27	87.09		
AEML				
DTPS U-1&2	9.31	39.64	495	300
Total	9.31	39.64		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	141.74	584.97	MSPGCL Total	162.53	704.32
			MSPGCL Thml+Gas	148.66	613.08	Koyna 1,2 & 4 Total	6.51	55.10
			MSPGCL Hydro	13.87	91.24	State Total	356.51	1467.05

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 04/Sep/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	5970	726	293	6989	924	5532	0	0	6549	6615	-1014	18663	0	0	18663	2332	383	21378	50.01
2	6018	426	293	6737	1028	5546	0	0	6992	7002	-1094	18857	0	0	18857	2163	362	21382	50.04
3	5969	276	293	6538	1260	5521	0	0	7378	7015	-1142	18844	0	0	18844	2038	348	21230	50.03
4	5918	283	293	6494	1170	5329	0	0	7438	7128	-1095	18662	0	0	18662	1979	364	21005	50.08
5	5927	421	294	6642	1236	5388	0	0	7816	7613	-1115	19392	0	0	19392	1975	373	21739	50.05
6	6017	394	295	6706	1319	5315	0	0	8290	8256	-1239	19965	0	0	19965	2083	392	22440	50.04
7	5999	1038	295	7332	1141	5426	0	60	8086	8085	-1176	20444	0	12	20444	2278	425	23146	50.04
8	5910	821	295	7026	952	5476	0	358	8413	8678	-1299	20747	0	11	20747	2490	444	23681	50.07
9	5804	480	295	6579	947	5057	0	786	9679	9813	-1905	20798	0	2	20798	2799	479	24076	50.06
10	5921	272	289	6482	768	5173	0	1239	10493	10082	-2182	21084	0	11	21084	3101	478	24663	50.02
11	5890	231	288	6409	612	4874	0	1485	11116	11092	-2231	21757	0	21	21757	3305	484	25546	49.96
12	5989	274	285	6548	603	5238	0	1521	10925	10671	-2102	21992	0	22	21992	3372	486	25851	50.03
13	5764	302	283	6349	549	4954	0	1577	11048	10750	-2204	21505	0	19	21505	3284	470	25259	49.92
14	5792	365	279	6436	410	4779	0	1576	10699	10814	-2025	21525	0	19	21525	3189	465	25179	49.95
15	5851	380	276	6507	543	5422	0	1415	10225	10217	-1783	21847	0	16	21847	3258	473	25579	49.90
16	5907	654	279	6840	758	5510	0	1110	10233	10009	-2008	21749	0	16	21749	3285	470	25504	50.02
17	5897	226	281	6404	1105	5534	0	655	9864	9555	-1903	20882	0	1	20882	3264	468	24614	50.04
18	5901	354	279	6534	1074	5506	0	286	9178	9077	-1784	20203	20	0	20223	3181	490	23894	50.04
19	5924	976	280	7180	1147	5523	0	41	8632	8609	-1620	20369	143	0	20512	3085	512	24108	50.05
20	5927	1228	284	7439	1113	5550	0	0	8412	8403	-1347	20677	0	0	20677	3065	482	24223	50.02
21	5928	507	291	6726	1298	5547	0	0	8278	8103	-1220	19990	0	0	19990	2924	465	23378	50.04
22	5847	1058	291	7196	1221	5533	0	0	7330	7622	-1152	19958	0	0	19958	2802	463	23222	50.04
23	5838	1098	291	7227	1163	5529	0	0	7275	7213	-1187	19500	0	0	19500	2712	445	22657	50.03
24	5837	1081	291	7209	1123	5564	0	0	7167	7285	-1205	19547	0	0	19547	2650	428	22626	50.02
MUs	141.75	13.87	6.91	162.53	23.46	128.83	0.00	12.11	211.52	209.71	-37.03	488.96	0.16	0.15	489.12	66.61	10.65	566.38	50.02

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) 132kv BBLR to Rahuri line overload- at 132kv rahuri ss/stn. 2)220/33KV 50MVA T/F I&II overload at koparagoan sstn. 3) 132Kv Sangamner-bblr Line Overload.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 04/Sep/2023

Position as on 6.30 Hrs of 05/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	07/09/2023
IPP	Adani U-4	660	12/08/2023	23:44		Continued.	Annual Overhaul	06/09/2023
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
MSPGCL	Koyna Unit 7	80	13/08/2023	09:00		Continued.	Spherical Valve maintenance	10/09/2023
IPP	RPL(AMT) U-4	270	22/08/2023	18:46		Continued.	Generator Stator Earth Fault	01/10/2023
MSPGCL	Uran Unit 6	108	02/09/2023	07:16		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 6	500	03/09/2023	19:07		Continued.	Boiler Tube Leakage	06/09/2023
MSPGCL	Koyna STG-IV Unit-3	250	04/09/2023	05:57	04/09/2023	07:00	24kV CB Stuck-up hence, 400kV CB Tripped.	04/09/2023
MSPGCL	Ghatghar Unit-2	125	04/09/2023	18:40	04/09/2023	19:40	Tripped on UGB oil level high indication	
MSPGCL	Koyna STG-IV Unit-3	250	04/09/2023	18:50	04/09/2023	21:05	Generator Circuit breaker phase discrepancy fault.	
MSPGCL	Khaparkheda Unit 1	210	04/09/2023	21:23	04/09/2023	23:56	Due to Furnace Pressure High.	
MSPGCL	Bhusawal Unit 3	210	05/09/2023	06:56		Continued.	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 04/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 05/Sep/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/Tripping							
TIE BAY (402) OF ICT - 1 & LINE - 4 @ KORADI 3	IntraState	04/09/2023	10:49	04/09/2023	19:03	PO	Annual Maintenance of CB at Koradi-III SS.
Tie bay (405) of Deepnagar line @ Taptitanda	IntraState	04/09/2023	12:11			PO	Circuit breaker mechanism overhauling work by M/s CGL
400 KV MAINBAY Outages/Tripping							
MAIN BAY (403) OF LINE- 4 @ KORADI 3	IntraState	05/09/2023	09:27			PO	Annual Maintenance of CB at Koradi-III SS.
400 KV LINE Outages/Tripping							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
CHANDRAPUR - BHADRAVATI CKT - 3	InterState	05/09/2023	08:24			PO	Attending CVT Oil leakage .
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)
PARLI - KARJAT CKT - 1	IntraState	03/09/2023	21:11	04/09/2023	02:53	PO	(1) CT testing work. (2) Bay maintenance work. (3) Hardware tightening & fitting work
PARLI-SOLAPUR (LAMBOTI)	IntraState	03/09/2023	22:30	04/09/2023	07:04	T	Distance Protection
DABHOL - NAGOTHANE CKT - 1	IntraState	04/09/2023	09:20			PO	Earthwire Replacement work
EKTUNI - TAPTITANDA CKT - 1	IntraState	04/09/2023	11:17	04/09/2023	19:39	PO	Diagnostic Testing and Routine Maintenance Work.
GT-10 @ KORADI-2	IntraState	04/09/2023	12:11				1) Nut bolt tightening work of jumpers, clamp & connector of CT, CB & other bay equipments.
MAIN BUS - 1 @ KARAD	IntraState	05/09/2023	09:15			PO	Dismantling of existing Bus-II CVT & Erection commissioning of new Bus-II CVT along with Bus Isolator & main Bus-II tightening work.
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.
400/220/33 KV 315 MVA ICT - 2 @ KORADI	IntraState	05/09/2023	08:56			PO	Bushing tan delta of ICT ; 220KV CT TAN Delta, CB CRM, CB Timing & other routine bay maintenance works
400/220/33 KV 315 MVA ICT - 3 @ PADGHE	IntraState	05/09/2023	09:21			PO	1.Replacement of HV CB under LES Scheme.2.A & B Bus PG isolator Maintenance Work.3.ICT HV Side will be in service through TBC.
220 KV LINE Outages/Tripping							
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.
WAGHIVALI - DHARAVI 7	IntraState	03/09/2023	22:54	04/09/2023	03:40	PO	Project work Diversion of 220kV TS2 Line into TDS Ckt from Somaiya to Vikhroli . Work in vicinity.
TROMBAY SALSETTE LINE-2	IntraState	03/09/2023	23:00	04/09/2023	03:40	PO	Project work Diversion of 220kV TS2 Line into TDS Ckt from Somaiya to Vikhroli
SALSETTE - SAKI - 7	IntraState	03/09/2023	23:00	04/09/2023	03:40	PO	Project work Diversion of 220kV TS2 Line into TDS Ckt from Somaiya to Vikhroli

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 05/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
PADGHE - KAMBA 2	IntraState	04/09/2023	07:13	04/09/2023	08:38	T	Distance Protection
URAN - APTA CKT - 1	IntraState	04/09/2023	11:20	04/09/2023	16:02	PO	Removing of rusted earthwire at Loc no. 36 to 37.
TALANDGE - SAWANTWADI	IntraState	04/09/2023	11:56	04/09/2023	15:28	PO	Diagnostic testing of bay equipment's.
TALANDGE - ICHALKARANJI 1	IntraState	04/09/2023	12:22	04/09/2023	17:13	PO	Q/M of bay
KHAPARKHEDA-KALMESHVAR	IntraState	04/09/2023	12:25	04/09/2023	18:56	PO	1)FOR REMOVING RECONNECTING OF BUS-2 ISOLATOR JUMPER OF ALL THREE PHASE BY HLU, NAGPUR. 2) FOR OVERHAULING OF BUS-2 ISOLATOR BY AGENCY 3) THE DIAGNOSTIC TESTING OF 220 KV CVT TO BE CARRIED OUT.
BIDRI - SAWANTWADI	IntraState	04/09/2023	15:35	04/09/2023	18:00	PO	Diagnostic testing of bay equipment's.
NERLE - PEDAMBE	IntraState	05/09/2023	06:26			T	Distance Protection
KARAD - OGALEWADI CKT 2	IntraState	05/09/2023	09:50			PO	Cold line Washing of Insulator Strings
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.
220/22 KV 50 MVA PTR 1 @ LONIKAND	IntraState	04/09/2023	10:40			PO	220kV HV CB mechanism overhauling work
220/132 KV 200 MVA ICT 1@ RANJANGAON	IntraState	04/09/2023	11:20			PO	220kV Circuit breaker overhauling 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.
MAIN BUS - 2 @ PHALTAN MIDC- 220 KV	IntraState	04/09/2023	10:44			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.
100 KV LINE Outages/Trippings							
KALWA - SALSETTE CKT - 1	IntraState	05/09/2023	09:41			PO	CB pole Overhauling work

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage