

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Sep/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	125.172	2450.012	1) Gujrat	12.839	88.568
2) Hydro	6.367	247.350	2) Madhya Pradesh	9.503	63.998
3) Gas	6.202	95.578	3) Chattisgarh	3.870	61.920
Total MSPGCL	137.741	2792.940	4) Maharashtra	161.483	3517.610
B) 1) APLM	60.323	1145.016	5) Goa (Amona)	-1.130	-33.389
2) JSWEL	25.934	492.231	Total	186.565	3698.707
3) VIPL	0.000	0.000	a) Mumbai Schedule	32.257	645.813
4) RPL(AMT)	25.583	481.196	b) Mumbai Drawl	35.223	722.645
5) SWPGPL	11.784	224.286	c) MSEDCL Bilateral *	95.407	1924.684
6) Other IPP	5.964	118.472	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	32.257	645.749
C) 1) TPCL Thermal	10.769	234.224	Include PX	0.000	0.000
2) TPCL Hydro	2.001	66.986	Standby	0.000	0.064
3) TPCL Gas	2.762	42.267	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.441	182.382	1) MSEDCL	454.431	8954.568
D) STATE			2) Mumbai Discoms	60.196	1248.505
1) Thermal	274.970	5327.819	3) Other Discoms	9.717	194.576
(A1+C1+C4+(B1-B6))			TOTAL STATE	524.344	10397.649
2) Hydro	8.368	314.336			
(A2+C2)					
3) Gas	8.964	137.845			
(A3+B7+C3)					
4) Wind	31.474	700.086			
6) SOLAR	14.003	218.855			
TOTAL STATE	337.779	6698.941			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5249	5146	5356	5068
MSPGCL Hydro	318	290	491	315
MSPGCL Gas	284	279	291	146
MSPGCL Total Generation	5851	5715	6138	5529
Central Sector Receipt	7958	7710	7866	7550
WIND	1436	1346	1045	1447
CPP / IPP Thermal	4874	5224	6114	4997
CPP / IPP Gas	0	0	0	0
SOLAR	1834	1621	0	0
Exchange with Mumbai	-1826	-1847	-1287	-1236
MSEDCL DEMAND MET	19710	19344	19435	17951
Load Shedding	0	0	0	0
MSEDCL DEMAND	19710	19344	19435	17951
TPCL GENERATION	493	544	1011	607
AEML GENERATION	435	338	499	321
MUMBAI DEMAND	2754	2729	2797	2164
OTHER DISCOM DEMAND	416	425	440	336
STATE DEMAND MET	22881	22498	22673	20451
STATE DEMAND	22881	22498	22673	20451
Frequency (Hz)	50.02	49.99	50.02	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.22 Hz at 06:02 Hrs	49.76 Hz at 16:15 Hrs	50	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 19/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.41	61.72	170	105
Unit 8	13.86	240.34	610	490
Unit 9	8.96	200.32	377	360
Unit 10	0.00	0.00	0	0
Total	26.23	502.37		
Bhusawal				
Unit 3	2.91	49.74	135	110
Unit 4	8.16	152.22	435	40
Unit 5	8.97	165.95	440	305
Total	20.04	367.90		
Parli				
Unit 6	4.27	84.80	228	147
Unit 7	4.26	74.57	227	140
Unit 8	3.92	74.87	196	145
Total	12.46	234.23		
Chandrapur				
Unit 3	3.22	58.89	152	90
Unit 4	1.69	26.63	145	0
Unit 5	0.00	0.00	0	0
Unit 6	6.23	111.97	310	190
Unit 7	5.89	116.62	279	216
Unit 8	10.33	177.75	458	365
Unit 9	11.04	144.77	481	404
Total	38.40	636.62		
Paras				
Unit 3	4.16	84.65	185	139
Unit 4	4.08	87.87	195	151
Total	8.24	172.51		
Khaparkheda				
Unit 1	2.22	50.88	125	20
Unit 2	1.41	31.53	71	41
Unit 3	3.22	64.31	160	107
Unit 4	2.50	60.18	128	34
Unit 5	0.81	169.98	405	0
Total	10.17	376.88		
Nasik				
Unit 3	3.24	52.12	145	125
Unit 4	3.22	60.36	145	118
Unit 5	3.17	47.01	148	118
Total	9.63	159.49		
Uran				
All Units	6.20	95.58	294	145
Total	6.20	95.58		
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)	0.87	15.28	47	13
Total	0.87	15.28		
Koyna				
Stage 1-2	1.58	50.40	165	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	71.98	0	0
Stage 3	0.45	28.90	146	0
Total	2.03	151.29		
Hydro				
KDPH	0.00	4.48	0	0
VTRNA	0.00	0.49	0	0
TILLARI	0.00	0.71	0	0
BHIRA T.R.	0.28	6.57	77	0
SMLHY_PTN	3.19	64.20	137	130
GHATGHAR	0.00	4.33	0	0
Total	3.47	80.78		
Wind				
Total	31.47	700.09	0	0
Total	31.47	700.09		
CPP				
APML(Mus)	60.32	1145.02	0	0
JSWEL(Mus)	25.93	492.23	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.58	481.20	0	0
SWPGPL-Mus	11.78	224.29	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.63	108.13	255	173
Other(Mus)	0.34	10.34	0	0
Total	129.59	2461.20		
SOLAR				
Total	14.00	218.86	0	0
Total	14.00	218.86		
Tata				
Trombay 5	7.14	153.76	418	241
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.62	23.65	105	37
Trombay 7B	1.14	18.62	64	34
TATA Hydro	2.00	66.99	251	11
Trombay 8	3.63	80.47	216	129
Total	15.53	343.48		
AEML				
DTPS U-1&2	9.44	182.38	499	290
Total	9.44	182.38		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	125.17	2450.01	MSPGCL Total	137.74	2792.94
			MSPGCL Thml+Gas	131.37	2545.59	Koyna 1,2 & 4 Total	1.58	122.39
			MSPGCL Hydro	6.37	247.35	State Total	337.78	6698.94

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/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	5457	184	145	5786	1532	5658	0	0	7558	7097	-1517	18164	0	0	18164	2433	391	20989	50.01
2	5229	182	146	5557	1662	5505	0	0	7612	7359	-1379	18347	0	0	18347	2293	357	20997	50.01
3	5068	315	146	5529	1447	4997	0	0	7710	7550	-1236	17951	0	0	17951	2164	336	20451	49.99
4	5236	201	160	5597	1398	5373	0	0	7605	7219	-1070	18187	0	0	18187	2096	330	20613	50.01
5	5226	191	168	5585	1314	5209	0	0	8106	8181	-1187	18763	0	0	18763	2091	339	21193	49.97
6	5276	217	252	5745	1326	5255	0	0	8860	8722	-1307	19389	0	0	19389	2144	353	21885	50.04
7	5378	195	293	5866	1444	5546	0	93	9075	8866	-1394	20035	0	0	20035	2197	387	22618	50.03
8	5368	268	294	5930	1361	5234	0	518	9220	8797	-1452	19975	0	0	19975	2284	413	22672	50.04
9	5250	297	291	5838	1513	4669	0	1289	8299	8439	-1606	19736	0	2	19736	2414	405	22556	50.09
10	5226	266	292	5784	1799	4614	0	1596	8198	8131	-1705	19826	0	6	19826	2572	393	22791	49.94
11	4991	282	289	5562	1543	4591	0	1764	8019	8516	-1898	19664	0	6	19664	2694	414	22772	49.98
12	5249	318	284	5851	1436	4874	0	1834	7877	7958	-1826	19710	0	6	19710	2754	416	22881	50.02
13	5146	290	279	5715	1346	5224	0	1621	7827	7710	-1847	19344	0	2	19344	2729	425	22498	49.99
14	5070	234	279	5583	1279	5090	0	1670	7904	7559	-1725	19038	0	0	19038	2620	417	22076	50.02
15	5070	324	281	5675	1199	5002	0	1589	8099	7822	-1739	19102	0	0	19102	2630	446	22178	49.95
16	5259	228	283	5770	1197	5400	0	1071	8271	7958	-1586	19356	0	0	19356	2652	454	22462	49.96
17	5175	248	288	5711	1104	5351	0	675	8170	7844	-1611	18619	0	0	18619	2630	454	21704	49.96
18	5274	209	289	5772	1012	5594	0	263	8057	7609	-1548	18261	0	0	18261	2605	440	21307	49.95
19	5283	251	289	5823	1137	5839	0	20	8221	7972	-1378	18968	0	0	18968	2674	445	22087	49.98
20	5356	491	291	6138	1045	6114	0	0	8043	7866	-1287	19435	0	0	19435	2797	440	22673	50.02
21	5286	339	289	5914	1041	6130	0	0	7235	7068	-1265	18451	0	0	18451	2756	437	21644	50.01
22	5221	248	289	5758	1048	6145	0	0	6911	6770	-1182	18122	0	0	18122	2697	416	21236	50.01
23	5123	345	292	5760	1074	6033	0	0	6926	6867	-1220	18104	0	0	18104	2651	410	21165	50.00
24	4955	250	293	5498	1217	6145	0	0	6988	6679	-1258	17882	0	0	17882	2619	399	20900	50.03
MUs	125.17	6.37	6.20	137.74	31.47	129.59	0.00	14.00	190.79	186.56	-35.22	454.43	0.00	0.02	454.43	60.20	9.72	524.34	50.00

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 :-

220/33kv 50MVA TF 1&2 OVERLOAD AT 220 KV KOPARGAON S/stn.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Sep/2023

Position as on 6.30 Hrs of 20/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)	03/10/2023
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.	20/09/2023
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	23/09/2023
MSPGCL	Khaparkheda Unit 5	500	19/09/2023	02:22		Continued.	Boiler Validity Renevoation	22/09/2023
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
MSPGCL	Koyna Unit 7	80	13/08/2023	09:00		Continued.	Spherical Valve maintenance	20/09/2023
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	Uran Unit 8	108	13/09/2023	14:03	19/09/2023	03:32	Gas shortage	
MSPGCL	Bhusawal Unit 4	500	17/09/2023	00:00	19/09/2023	00:28	Boiler Tube Leakage	19/09/2023
MSPGCL	Chandrapur Unit 4	210	19/09/2023	12:33		Continued.	BAVIT Metal Temperature High	23/09/2023
MSPGCL	Khaparkheda Unit 4	210	20/09/2023	00:18	20/09/2023	08:09	Wet Steam Protection.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 20/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
KUDUS - KALA CKT - 1	InterState	18/09/2023	09:13	19/09/2023	01:48	HT	TO ATTEND HOT SPOT BY POWERGRID
KUDUS - KALA CKT - 2	InterState	18/09/2023	09:15	19/09/2023	01:37	HT	SAFETY PURPOSE AND TO ATTEND HOT SPOT BY POWERGRID ON CKT -1
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of 4Y ₂ phase Protection CT Of NTPP I (RPL 1)
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	15/09/2023	07:55			HT	HT for Load Management
KHADKA- DEEPNAGAR CKT 1	IntraState	18/09/2023	09:57			PO	For Breaker mechanism overhauling work by agency.Line will in service through TBC and A/R will be out
KHADKA-AURANGABAD (WALUJ)	IntraState	18/09/2023	20:16	20/09/2023	06:39	HT	H/T For Voltage Managment
KORADI-NANDGAONPETH (RPL)	IntraState	20/09/2023	06:00			PO	Faulty insulator string replacement 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.
400/6.9 KV 60 MVA STATION TRANSFORMER-1 @ DHARIWAL (STU)	IntraState	16/09/2023	09:35			PO	Bay equipments PM and testing work (CT Tan Delta, CB CRM& DCRM)
220 KV LINE Outages/Trippings							
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.
EKLAHARE (OCR) - PADGHE	IntraState	16/09/2023	18:27			HT	H/T For load management.
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	18/09/2023	14:57	19/09/2023	19:37	T	Line tripped on SOTF
TROMBAY CARNAC - 5	IntraState	19/09/2023	13:51			HT	EMERGENCY HT due to heavy Sf6 gas leakage at cable joint at Carnac end
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	19/09/2023	19:37			HT	Hand tripped from Navsari end for load management
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.
220/33 KV 50 MVA PTR 1 @ BOISAR-II	IntraState	13/09/2023	21:38			HT	Problem arise during tap changing operation ,Tap was not getting changed ,When tried manually it was found jammed. Hence HT from HV & LV Both .
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							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 20/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
MANSAR-PENCH	InterState	13/09/2023	17:04			HT	H/T AT PENCH END SYSTEM CONSTRAINT
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