

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Sep/2023 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	124.312	2701.923	1) Gujrat	13.262	115.231
2) Hydro	12.748	270.384	2) Madhya Pradesh	8.085	82.300
3) Gas	6.972	108.519	3) Chattisgarh	5.780	72.610
Total MSPGCL	144.032	3080.826	4) Maharashtra	187.463	3885.057
B) 1) APLM	74.212	1290.762	5) Goa (Amona)	-1.457	-36.136
2) JSWEL	24.814	543.299	Total	213.133	4119.062
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.990	717.232
4) RPL(AMT)	21.125	527.925	b) Mumbai Drawl	38.810	801.000
5) SWPGPL	11.638	247.305	c) MSEDCL Bilateral *	72.392	2094.249
6) Other IPP	6.153	130.716	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.990	717.168
C) 1) TPCL Thermal	12.108	258.461	Include PX	0.000	0.000
2) TPCL Hydro	5.225	75.806	Standby	0.000	0.064
3) TPCL Gas	1.680	45.985	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.660	203.647	1) MSEDCL	480.366	9917.162
D) STATE			2) Mumbai Discoms	68.483	1384.900
1) Thermal	285.022	5904.038	3) Other Discoms	10.315	215.156
(A1+C1+C4+(B1-B6))			TOTAL STATE	559.164	11517.218
2) Hydro	17.973	346.190			
3) Gas	8.652	154.504			
4) Wind	24.299	750.518			
6) SOLAR	10.085	242.905			
TOTAL STATE	346.031	7398.155			

* 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 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	5044	5119	5063	5213
MSPGCL Hydro	958	793	966	231
MSPGCL Gas	289	283	289	291
MSPGCL Total Generation	6291	6195	6318	5735
Central Sector Receipt	11204	10692	8689	6827
WIND	449	480	1071	1026
CPP / IPP Thermal	5660	5661	5767	5479
CPP / IPP Gas	0	0	0	0
SOLAR	1330	1359	5	0
Exchange with Mumbai	-2328	-2265	-1640	-1348
MSEDCL DEMAND MET	22141	21675	19739	17309
Load Shedding	0	0	0	0
MSEDCL DEMAND	22141	21675	19739	17309
TPCL GENERATION	688	684	1056	844
AEML GENERATION	422	452	493	460
MUMBAI DEMAND	3438	3401	3189	2652
OTHER DISCOM DEMAND	465	447	471	410
STATE DEMAND MET	26044	25523	23399	20371
STATE DEMAND	26044	25523	23399	20371
Frequency (Hz)	49.94	49.94	50.00	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.24 Hz at 16.02 Hrs	49.81 Hz at 18.10 Hrs	50.01	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 21/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.70	69.32	185	115
Unit 8	14.68	269.03	645	563
Unit 9	8.64	217.72	375	355
Unit 10	0.69	0.69	185	0
Total	27.71	556.77		
Bhusawal				
Unit 3	2.50	55.24	120	75
Unit 4	9.60	171.08	450	330
Unit 5	8.76	183.58	425	335
Total	20.87	409.90		
Parli				
Unit 6	4.97	94.86	230	117
Unit 7	4.91	84.33	227	165
Unit 8	4.44	83.36	195	172
Total	14.31	262.54		
Chandrapur				
Unit 3	2.60	64.79	135	84
Unit 4	0.00	26.63	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.54	124.48	265	160
Unit 7	1.79	125.12	325	0
Unit 8	9.86	197.79	450	356
Unit 9	11.20	166.81	476	441
Total	31.00	705.62		
Paras				
Unit 3	4.78	94.30	215	183
Unit 4	4.58	96.78	210	173
Total	9.36	191.08		
Khaparkheda				
Unit 1	2.90	55.86	150	85
Unit 2	1.46	34.52	77	36
Unit 3	3.65	71.22	160	142
Unit 4	2.90	64.90	137	109
Unit 5	0.00	169.98	0	0
Total	10.92	396.47		
Nasik				
Unit 3	3.41	58.68	153	135
Unit 4	3.43	67.20	150	121
Unit 5	3.30	53.67	149	128
Total	10.14	179.55		
Uran				
All Units	6.97	108.52	296	282
Total	6.97	108.52		
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)	1.13	17.38	50	46
Total	1.13	17.38		
Koyna				
Stage 1-2	2.01	54.80	280	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	3.29	77.38	560	0
Stage 3	1.46	31.40	240	0
Total	6.76	163.57		
Hydro				
KDPH	0.10	4.58	18	0
VTRNA	0.36	0.90	59	0
TILLARI	0.48	1.19	60	0
BHIRA T.R.	0.43	7.34	80	0
SMLHY_PTN	3.15	70.49	135	125
GHATGHAR	0.34	4.93	84	0
Total	4.85	89.44		
Wind				
Total	24.30	750.52	0	0
Total	24.30	750.52		
CPP				
APML(Mus)	74.21	1290.76	0	0
JSWEL(Mus)	24.81	543.30	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	21.12	527.92	0	0
SWPGPL-Mus	11.64	247.30	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.82	119.70	257	200
Other(Mus)	0.34	11.02	0	0
Total	137.94	2740.01		
SOLAR				
Total	10.08	242.90	0	0
Total	10.08	242.90		
Tata				
Trombay 5	7.91	169.66	430	267
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.89	25.66	46	35
Trombay 7B	0.79	20.32	39	31
TATA Hydro	5.22	75.81	423	74
Trombay 8	4.19	88.81	222	132
Total	19.01	380.25		
AEML				
DTPS U-1&2	10.66	203.65	500	305
Total	10.66	203.65		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	124.31	2701.92	MSPGCL Total	144.03	3080.83
			MSPGCL Thml+Gas	131.28	2810.44	Koyna 1,2 & 4 Total	5.30	132.17
			MSPGCL Hydro	12.75	270.38	State Total	346.03	7398.16

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	5533	275	293	6101	1440	6071	0	0	7129	6797	-1112	18895	0	0	18895	2539	402	21836	50.00
2	5390	282	295	5967	1386	5905	0	0	7377	7225	-1151	18945	0	0	18945	2363	387	21695	50.01
3	5252	236	294	5782	1479	6018	0	0	7314	7168	-971	19112	0	0	19112	2226	364	21702	50.01
4	5230	252	295	5777	1318	6013	0	0	7462	7322	-1154	18920	0	0	18920	2120	356	21396	49.99
5	5162	274	294	5730	1269	6033	0	0	8058	7780	-1248	19201	0	0	19201	2110	363	21674	49.99
6	5441	283	296	6020	1050	6025	0	0	8869	8698	-1188	20230	0	0	20230	2181	375	22786	50.01
7	5357	1047	296	6700	974	6064	0	63	9011	8887	-1098	21183	0	4	21183	2290	407	23880	50.03
8	5218	1068	296	6582	621	5947	0	361	9405	9575	-1289	21355	0	14	21355	2500	442	24297	50.08
9	5287	913	294	6494	480	5694	0	820	9911	9934	-1687	21281	0	0	21281	2833	454	24568	50.04
10	5277	740	288	6305	546	5680	0	1272	10858	10774	-2024	22090	0	25	22090	3156	463	25709	50.02
11	5222	617	287	6126	565	5566	0	1359	11513	11245	-2257	22128	0	29	22128	3376	476	25980	50.02
12	5044	958	289	6291	449	5660	0	1330	11191	11204	-2328	22141	0	9	22141	3438	465	26044	49.94
13	5119	793	283	6195	480	5661	0	1359	10850	10692	-2265	21675	0	0	21675	3401	447	25523	49.94
14	5116	285	285	5686	591	5578	0	1236	10911	10579	-2182	21058	0	0	21058	3247	430	24735	49.99
15	5087	272	282	5641	821	5577	0	1061	11010	10368	-2168	20860	0	1	20860	3299	440	24599	49.98
16	5013	269	282	5564	1225	5478	0	726	11097	10587	-2165	20949	0	0	20949	3347	466	24762	50.01
17	4979	253	284	5516	1437	5635	0	369	10060	9621	-2026	20102	0	0	20102	3284	450	23836	50.04
18	5020	227	290	5537	1229	5740	0	124	9798	9351	-1905	19612	0	0	19612	3190	464	23266	49.99
19	5063	966	289	6318	1071	5767	0	5	8706	8689	-1640	19739	0	0	19739	3189	471	23399	50.00
20	5012	1161	289	6462	1239	5754	0	0	8648	8309	-1516	19778	0	0	19778	3148	470	23396	50.07
21	5028	481	293	5802	1345	5771	0	0	7793	7379	-1449	18407	0	0	18407	2999	441	21847	50.04
22	5081	407	294	5782	1165	5548	0	0	7411	7036	-1327	17766	0	0	17766	2849	438	21053	50.01
23	5168	458	293	5919	1093	5278	0	0	7090	7086	-1312	17631	0	0	17631	2746	433	20810	50.04
24	5213	231	291	5735	1026	5479	0	0	7163	6827	-1348	17309	0	0	17309	2652	410	20371	50.06
MUs	124.31	12.75	6.97	144.03	24.30	137.94	0.00	10.08	218.63	213.13	-38.81	480.37	0.00	0.08	480.37	68.48	10.31	559.16	50.01

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 :-

ELR done due to 132 KV BBLR - Sangamner Line Overload

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Sep/2023

Position as on 6.30 Hrs of 22/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	21/09/2023	11:25	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	22/09/2023	02:19	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
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 4	210	19/09/2023	12:33		Continued.	BAVIT Metal Temperature High	23/09/2023
MSPGCL	Chandrapur Unit 7	500	21/09/2023	06:43		Continued.	Boiler Tube Leakage	24/09/2023
IPP	RPL(AMT) U-1	270	21/09/2023	08:00		Continued.	Withdrawn due to bottom ash problem	24/09/2023
MSPGCL	Koradi Unit-10	660	21/09/2023	13:28	21/09/2023	20:43	Differential protection and restricted earth fault protection.	21/09/2023

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 22/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							
400KV 125MVAR BUS REACTOR MAIN BAY(420) @ 400KV DEEPNAGAR	IntraState	21/09/2023	13:08	21/09/2023	16:30	PO	To attend fire detector trip indication by M/s. CTR representative.
MAIN BAY (404) OF AURANGABAD (PG) - 1 @ AKOLA	IntraState	21/09/2023	16:38	21/09/2023	17:44	T	AT AK E=R PH, IF=4.34KA, D=74.6KM, DT SEND
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 ȳȳ 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
220 KV CHANDRAPUR GCR (400 KV) - GRACE CKT	IntraState	21/09/2023	10:21	21/09/2023	14:42	T	Tripped on Distance Protection.
KHADKA-AURANGABAD (WALUJ)	IntraState	21/09/2023	19:54			HT	H/T FOR O/V
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.
400/220/33 KV 315 MVA ICT - 2 @ CHANDRAPUR	IntraState	21/09/2023	10:21	21/09/2023	12:48	T	Tripped due to Backup OC/EF prot. Optd.
400/220/33 KV 315 MVA ICT - 1 @ CHANDRAPUR	IntraState	21/09/2023	10:21	21/09/2023	12:40	T	Tripped due to Backup OC/EF prot. Optd.
400 KV BR Outages/Trippings							
BUS REACTOR (80 MVAR) @ DHULE	IntraState	21/09/2023	09:20	21/09/2023	21:03	PO	MTAMC Project Work: Retrofitting of REF Protection Relay, Master trip Relay etc.
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	19/09/2023	19:37			HT	Hand tripped from Navsari end for load management
KOLSHET - KHARBAO	IntraState	20/09/2023	12:10			PO	1)Replacement VT-II on Y-phase of 220KV Main Bus-II. 2) 220KV Main Bus II B-phase spacer replacement of O-ring to arrest gas leakage in this section (Bay 206). 3) DFCCIL has deputed M/s Hyosung T&D company's Engineer to arrest gas leakage problem.
220KV KARJAT-AHMEDNAGAR-CKT-1	IntraState	21/09/2023	10:57	21/09/2023	15:12	PO	Replacement of B ph (Cut point) flashover insu. String at loc 112 (Found during monkey patrolling and as line was AR on dt. 14.09.2023)
ONGC URAN - JNPT	IntraState	21/09/2023	11:40	21/09/2023	14:58	PO	Attending of hot spot at Loc no.15 Top phase & rouser routine maintenance work.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 22/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220 KV CHALISGAON - KHADKA CKT -1	IntraState	21/09/2023	12:52	21/09/2023	15:38	T	C:D/P,Z1,Y-PH-6.33 KA,B-PH-6.54 KA,22 KM. B:D/P,Z1,Y-PH-2.43 KA,B-PH-2.22
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 .
220/132 KV 200 MVA ICT - 2 @ CHINCHWAD 2	IntraState	21/09/2023	09:14	21/09/2023	18:47	PO	1) Diagnostic Testing of ICT & CB,CT of HV bay at 220 kv Chinchwad II S/s. 2) Attending oil leakage from HV bushing of the ICT 3) Half yearly maintenannace
220/132kv 200MVA ICT-2 @ KOPARGAON	IntraState	21/09/2023	10:00	21/09/2023	14:45	PO	For Diagnostic testing of ICT and its allied equipment's (ICT Bushing, Winding and CT's Tan Delta testing , CB CRM & CBT) , 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	13/09/2023	17:04	21/09/2023	23:28	HT	H/T AT PENCH END SYSTEM CONSTRAINT
MANSAR-PENCH	InterState	22/09/2023	07:10			HT	H/T FOR LOAD MANAGEMENT
KANHAN-MANSAR	IntraState	21/09/2023	21:56	22/09/2023	07:10	T	TRIPPED ON DISTANCE PROTECTION .A/R SUCCESSFUL FROM KANHAN END
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