

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 10/Sep/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	112.969	1345.054	1) Gujrat	0.499	37.089
2) Hydro	9.201	155.596	2) Madhya Pradesh	1.811	12.139
3) Gas	3.189	62.151	3) Chattisgarh	2.440	29.260
Total MSPGCL	125.359	1562.801	4) Maharashtra	165.677	1909.733
B) 1) APML	50.112	570.208	5) Goa (Amona)	-1.656	-17.144
2) JSWEL	23.830	259.504	Total	168.771	1971.077
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.241	323.566
4) RPL(AMT)	24.424	252.064	b) Mumbai Drawl	37.099	364.506
5) SWPGPL	11.384	117.973	c) MSEDCL Bilateral *	104.354	997.815
6) Other IPP	5.149	64.428	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.241	323.502
C) 1) TPCL Thermal	10.509	129.123	Include PX	0.000	0.000
2) TPCL Hydro	1.234	38.383	Standby	0.000	0.064
3) TPCL Gas	1.764	21.267	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.675	97.047	1) MSEDCL	426.263	4782.476
D) STATE			2) Mumbai Discoms	59.281	650.327
1) Thermal	247.052	2835.401	3) Other Discoms	10.141	103.305
(A1+C1+C4+(B1-B6))			TOTAL STATE	495.685	5536.108
2) Hydro (A2+C2)	10.435	193.979			
3) Gas (A3+B7+C3)	4.953	83.418			
4) Wind	54.505	342.645			
6) SOLAR	9.969	109.587			
TOTAL STATE	326.914	3565.030			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	4682	4255	4604	4808
MSPGCL Hydro	346	394	1160	201
MSPGCL Gas	131	130	134	135
MSPGCL Total Generation	5159	4779	5898	5144
Central Sector Receipt	7952	7638	7592	5921
WIND	2637	2425	1770	2450
CPP / IPP Thermal	4692	3998	5960	4618
CPP / IPP Gas	0	0	0	0
SOLAR	1007	1267	0	0
Exchange with Mumbai	-1728	-1878	-1577	-1347
MSEDCL DEMAND MET	19275	17791	19176	16417
Load Shedding	0	0	0	0
MSEDCL DEMAND	19275	17791	19176	16417
TPCL GENERATION	508	509	625	503
AEML GENERATION	285	319	478	452
MUMBAI DEMAND	2521	2706	2680	2302
OTHER DISCOM DEMAND	444	438	467	369
STATE DEMAND MET	22240	20935	22323	19088
STATE DEMAND	22240	20935	22323	19088
Frequency (Hz)	50.06	50.03	50.02	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.26 Hz at 13:02 Hrs	49.79 Hz at 18:13 Hrs	49.99	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 10/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.81	34.57	135	85
Unit 8	7.60	124.16	458	241
Unit 9	8.13	110.48	428	228
Unit 10	0.00	0.00	0	0
Total	18.54	269.21		
Bhusawal				
Unit 3	2.63	26.28	125	75
Unit 4	8.34	92.34	420	270
Unit 5	7.74	90.34	365	280
Total	18.72	208.94		
Parli				
Unit 6	3.22	43.91	190	0
Unit 7	1.94	35.54	180	0
Unit 8	3.69	41.17	169	145
Total	8.85	120.62		
Chandrapur				
Unit 3	2.91	33.79	145	100
Unit 4	2.94	3.12	140	100
Unit 5	0.00	0.00	0	0
Unit 6	7.23	54.91	335	280
Unit 7	6.90	65.16	320	254
Unit 8	8.89	94.00	407	280
Unit 9	9.59	99.60	423	323
Total	38.45	350.57		
Paras				
Unit 3	3.69	45.20	187	138
Unit 4	3.95	47.19	188	139
Total	7.63	92.39		
Khaparkheda				
Unit 1	2.10	27.00	110	50
Unit 2	0.52	18.91	64	0
Unit 3	3.04	33.77	140	115
Unit 4	1.44	32.16	130	0
Unit 5	9.25	101.67	450	280
Total	16.35	213.51		
Nasik				
Unit 3	3.58	31.39	167	125
Unit 4	0.86	32.30	131	0
Unit 5	0.00	26.11	0	0
Total	4.43	89.81		
Uran				
All Units	3.19	62.15	135	130
Total	3.19	62.15		
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)	0.48	6.13	50	0
Total	0.48	6.13		
Koyna				
Stage 1-2	1.82	31.10	300	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.74	50.73	577	0
Stage 3	1.21	19.01	240	0
Total	3.77	100.85		
Hydro				
KDPH	0.43	4.32	18	18
VTRNA	0.00	0.43	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.26	3.64	77	0
SMLHY_PTN	3.69	37.45	157	145
GHATGHAR	0.57	2.78	125	0
Total	4.95	48.62		
Wind				
Total	54.50	342.64	0	0
Total	54.50	342.64		
CPP				
APML(Mus)	50.11	570.21	0	0
JSWEL(Mus)	23.83	259.50	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.42	252.06	0	0
SWPGPL-Mus	11.38	117.97	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.74	57.52	225	155
Other(Mus)	0.41	6.91	0	0
Total	114.90	1264.18		
SOLAR				
Total	9.97	109.59	0	0
Total	9.97	109.59		
Tata				
Trombay 5	6.78	84.49	377	247
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.94	11.77	42	36
Trombay 7B	0.83	9.49	36	33
TATA Hydro	1.23	38.38	106	15
Trombay 8	3.73	44.64	228	130
Total	13.51	188.77		
AEML				
DTPS U-1&2	8.68	97.05	487	283
Total	8.68	97.05		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	112.97	1345.05	MSPGCL Total	125.36	1562.80
			MSPGCL Thml+Gas	116.16	1407.20	Koyna 1,2 & 4 Total	2.56	81.84
			MSPGCL Hydro	9.20	155.60	State Total	326.91	3565.03

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 10/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	4864	201	133	5198	2373	4635	0	0	6720	6403	-1445	16768	0	0	16768	2475	396	19639	49.98
2	4808	201	135	5144	2450	4618	0	0	6230	5921	-1347	16417	0	0	16417	2302	369	19088	49.97
3	5001	302	135	5438	2478	4655	0	0	5757	5712	-1256	16690	0	0	16690	2170	337	19197	49.98
4	5118	263	134	5515	2574	4670	0	0	5666	5461	-1103	16788	0	0	16788	2085	329	19202	50.02
5	5159	256	135	5550	2489	4664	0	0	5954	6010	-1067	17299	0	0	17299	2056	347	19702	49.98
6	5031	438	135	5604	2325	4513	0	0	6787	6709	-1134	17632	0	0	17632	2124	385	20141	49.98
7	5236	405	135	5776	2490	4847	0	70	6953	6815	-1169	18421	0	0	18421	2152	408	20981	50.01
8	5020	444	133	5597	2477	4695	0	296	7375	7533	-1318	18848	0	0	18848	2221	432	21501	50.01
9	4778	378	131	5287	2552	4713	0	712	7670	7669	-1560	18930	0	0	18930	2364	443	21737	50.01
10	4682	346	131	5159	2637	4692	0	1007	7928	7952	-1728	19275	0	0	19275	2521	444	22240	50.06
11	4320	412	132	4864	2724	4356	0	1197	8507	8228	-1862	19059	0	0	19059	2659	448	22166	50.03
12	4233	328	131	4692	2531	4101	0	1318	8333	8151	-1856	18497	0	0	18497	2708	440	21645	49.98
13	4255	394	130	4779	2425	3998	0	1267	7609	7638	-1878	17791	0	0	17791	2706	438	20935	50.03
14	4399	351	131	4881	2357	4290	0	1223	6845	6762	-1806	17272	0	0	17272	2626	435	20333	50.04
15	4347	270	130	4747	2434	4468	0	1092	7132	7114	-1806	17616	0	11	17616	2611	433	20660	49.96
16	4467	322	132	4921	2283	4346	0	908	7329	7447	-1777	17689	0	9	17689	2596	439	20724	49.97
17	4528	201	131	4860	2316	4605	0	633	7544	6924	-1705	17194	0	0	17194	2554	439	20187	49.98
18	4482	266	131	4879	2081	4559	0	235	8096	7562	-1647	17205	0	0	17205	2510	464	20179	49.95
19	4524	879	133	5536	1824	5155	0	11	7886	7719	-1618	18154	0	0	18154	2570	473	21197	49.93
20	4604	1160	134	5898	1770	5960	0	0	7681	7592	-1577	19176	0	0	19176	2680	467	22323	50.02
21	4756	417	134	5307	1703	5976	0	0	7277	7101	-1649	17969	0	0	17969	2679	469	21117	49.95
22	4735	463	134	5332	1805	5425	0	0	7147	7091	-1621	17582	0	0	17582	2663	450	20695	50.02
23	4861	255	135	5251	1662	5762	0	0	6645	6535	-1584	17187	0	0	17187	2635	439	20261	49.99
24	4761	251	134	5146	1745	5196	0	0	6974	6720	-1586	16804	0	0	16804	2614	417	19835	49.98
MUs	112.97	9.20	3.19	125.36	54.51	114.90	0.00	9.97	172.04	168.77	-37.10	426.26	0.00	0.02	426.26	59.28	10.14	495.68	49.99

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 carried out due to overloading of 220KV BBLR CKT-I

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 10/Sep/2023

Position as on 6.30 Hrs of 11/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)	20/09/2023
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.	13/09/2023
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	23/09/2023
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	Parli Unit 7	250	08/09/2023	08:51	10/09/2023	09:25	Generator Elect. Fault	10/09/2023
MSPGCL	Uran Unit 7	108	09/09/2023	00:03		Continued.	Gas shortage	
MSPGCL	Nasik Unit 5	210	09/09/2023	01:24		Continued.	Boiler Tube Leakage	11/09/2023
MSPGCL	Nasik Unit 4	210	10/09/2023	06:35		Continued.	Boiler Tube Leakage	11/09/2023
MSPGCL	Khaparkheda Unit 2	210	10/09/2023	10:00		Continued.	Drum Level High	11/09/2023
MSPGCL	Khaparkheda Unit 4	210	10/09/2023	11:37	11/09/2023	01:33	Furnace pressure High	11/09/2023
MSPGCL	Parli Unit 6	250	10/09/2023	16:10	10/09/2023	19:43	Furnace pressure Low.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 10/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 11/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LR Outages/Tripping							
Pole-1 Non base AC filter Z3 (120 MVAR) @PADGHE HVDC	InterState	10/09/2023	20:24	10/09/2023	22:58	HT	For attending hotspot
POLE-2 BASE AC FILTER Z1-Z2(200MVAR) @ PADGHE HVDC	IntraState	09/09/2023	22:57	10/09/2023	01:21	EO	Attending Hotspot in Pole-2 Base Filter
500 KV LINE Outages/Tripping							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	10/09/2023	22:57	10/09/2023	01:21	HT	Emergency outage for attending hotspot at Padghe end
400 KV LINE Outages/Tripping							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
KALWA - TALEGAON (PG)	InterState	10/09/2023	01:48	10/09/2023	07:29	EO	Replacement of insulator strings DTN at location no. 142 Y phase Talegaon(PGCIL) side due to abnormal performance.
KALWA - TALEGAON (PG)	InterState	10/09/2023	01:48	10/09/2023	07:29	HT	Emergency Outage for replacement of insulator string.
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of ɛYɛ phase Protection CT Of NTPP I (RPL 1)
EKTUNI - BABLESHWAR CKT - 1	IntraState	09/09/2023	09:51	10/09/2023	00:35	PO	Line Maintenance and Diagnostic Testing work.
KHADKA-AURANGABAD (WALUJ)	IntraState	09/09/2023	21:56	11/09/2023	07:31	HT	H/T For Voltage Management.
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	09/09/2023	22:51			HT	H/T For load Management.
MAIN BUS - 2 @ KALWA	IntraState	10/09/2023	10:35	10/09/2023	15:16	PO	400 KV B bus maintenance, Jumper connection for 167MVA Spare ICT & Charging of Spare ICT .
DABHOL - NEW KOYNA CKT - 2	IntraState	11/09/2023	04:11			T	DT received at New Koyana end.
NAGOTHANE - DABHOL CKT - 1	IntraState	11/09/2023	04:11			T	Tripped on Distance protection.
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 - 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							
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	09/09/2023	16:45			HT	HT for Load Management
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	09/09/2023	18:23	10/09/2023	10:40	HT	HT for Load Management
GHATGHAR - JINDAL	IntraState	10/09/2023	05:05	10/09/2023	10:25	T	220KV Jindal S/S Rph. Bus section conductor snap.
PADGHE - JINDAL	IntraState	10/09/2023	05:05	10/09/2023	10:33	T	220KV Jindal S/S Rph. Bus section conductor snap.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	10/09/2023	09:56	10/09/2023	15:33	HT	For load management during 220 kv NASHIK GCR - Babhaleshwar II CKT 2 OUTAGE

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 11/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	10/09/2023	10:21	10/09/2023	15:27	PO	On dated 10.09.2023 the second ckt stringing shall be carried out and work shall be completed i/r of tower erection work of the additional 220kV D/C tower (NC + 6) between location No. 213- 214 to 220kV Babhaleshwar- Nasik 1 & 2 DC under EHV O&M Division Babhaleshwar. All the three GCR EKLAHARE GEN will be in service till 30 sept 2023.
BHAMBORI AMALNER	IntraState	10/09/2023	14:07	10/09/2023	14:34	T	Bambhori ICT LA burst.
EKLAHARE (GCR) - GHATGHAR	IntraState	10/09/2023	14:14	10/09/2023	15:28	HT	HT 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 / 110 / 33kV 250MVA ICT 10 @ DHARAVI	IntraState	10/09/2023	10:15	10/09/2023	16:18	PO	PROJECT WORK-CSD COMMISSIONING
250 MVA ICT-5 @ TROMBAY	IntraState	10/09/2023	13:21	10/09/2023	14:10	HT	Emergency Tree cutting.
220/132 KV 100 MVA ICT-1	IntraState	10/09/2023	14:07	10/09/2023	20:23	T	LA burst of LV side BPH.
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.
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
TATA BORIVLI MSETCL BORIVLI 2	IntraState	10/09/2023	09:45	10/09/2023	20:05	PO	PROJECT WORK-CRP AND ISLANDING PANEL REPLACEMENT.
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