

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Sep/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	117.855	3066.031	1) Gujrat	11.491	151.718
2) Hydro	8.471	300.446	2) Madhya Pradesh	6.461	104.744
3) Gas	6.771	129.256	3) Chattisgarh	3.370	85.550
Total MSPGCL	133.097	3495.733	4) Maharashtra	169.211	4415.075
B) 1) APLM	49.721	1458.480	5) Goa (Amona)	-1.341	-40.239
2) JSWEL	24.056	615.186	Total	189.192	4716.848
3) VIPL	0.000	0.000	a) Mumbai Schedule	31.955	817.706
4) RPL(AMT)	21.669	586.865	b) Mumbai Drawl	35.452	912.658
5) SWPGPL	10.890	281.780	c) MSEDCL Bilateral *	80.468	2349.741
6) Other IPP	4.096	146.294	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	31.955	817.641
C) 1) TPCL Thermal	9.626	290.049	Include PX	0.000	0.000
2) TPCL Hydro	2.585	86.644	Standby	0.000	0.064
3) TPCL Gas	1.962	51.179	H) ENERGY CATERED (MUs)		
4) AEML Thermal	6.860	229.678	1) MSEDCL	411.935	11201.073
D) STATE			2) Mumbai Discoms	56.485	1570.209
1) Thermal	244.773	6674.363	3) Other Discoms	9.776	244.992
(A1+C1+C4+(B1-B6))			TOTAL STATE	478.196	13016.274
2) Hydro (A2+C2)	11.056	387.090			
3) Gas (A3+B7+C3)	8.733	180.435			
4) Wind	13.167	784.924			
6) SOLAR	11.275	272.613			
TOTAL STATE	289.004	8299.425			

* 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 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5145	4552	5102	4953
MSPGCL Hydro	285	239	1093	221
MSPGCL Gas	280	274	282	288
MSPGCL Total Generation	5710	5065	6477	5462
Central Sector Receipt	8826	8428	7921	7150
WIND	146	372	1041	501
CPP / IPP Thermal	5053	4233	4949	4438
CPP / IPP Gas	0	0	0	0
SOLAR	1080	1678	2	0
Exchange with Mumbai	-1611	-1805	-1529	-1260
MSEDCL DEMAND MET	18781	17545	18424	15924
Load Shedding	0	0	0	0
MSEDCL DEMAND	18781	17545	18424	15924
TPCL GENERATION	539	520	678	542
AEML GENERATION	286	286	287	282
MUMBAI DEMAND	2436	2611	2494	2084
OTHER DISCOM DEMAND	423	426	437	367
STATE DEMAND MET	21640	20582	21355	18375
STATE DEMAND	21640	20582	21355	18375
Frequency (Hz)	50.06	50.09	50.04	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.3 Hz at 13:26 Hrs	49.8 Hz at 17:21 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 24/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.02	78.34	145	100
Unit 8	13.80	311.64	658	423
Unit 9	0.00	221.66	0	0
Unit 10	10.59	23.64	521	370
Total	27.41	635.28		
Bhusawal				
Unit 3	2.07	63.08	115	30
Unit 4	7.52	197.18	385	270
Unit 5	6.86	207.92	330	255
Total	16.44	468.18		
Parli				
Unit 6	3.88	107.58	216	117
Unit 7	3.83	96.83	209	143
Unit 8	3.51	94.99	167	130
Total	11.23	299.39		
Chandrapur				
Unit 3	3.01	73.15	140	111
Unit 4	0.00	26.63	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.54	141.40	275	180
Unit 7	0.00	125.12	0	0
Unit 8	8.18	223.56	413	275
Unit 9	9.39	195.84	463	288
Total	26.11	785.70		
Paras				
Unit 3	4.18	107.25	200	140
Unit 4	4.27	110.50	218	123
Total	8.45	217.75		
Khaparkheda				
Unit 1	2.82	64.32	140	95
Unit 2	1.53	38.76	70	58
Unit 3	3.57	81.87	166	127
Unit 4	3.04	74.20	135	115
Unit 5	8.76	196.23	447	285
Total	19.73	455.38		
Nasik				
Unit 3	3.30	68.89	156	121
Unit 4	2.15	72.17	133	0
Unit 5	3.04	63.30	148	113
Total	8.49	204.36		
Uran				
All Units	6.77	129.26	290	274
Total	6.77	129.26		
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	20.41	46	0
Total	0.87	20.41		
Koyna				
Stage 1-2	1.88	60.48	285	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.46	81.65	461	0
Stage 3	0.72	34.22	208	0
Total	3.06	176.36		
Hydro				
KDPH	0.43	6.22	18	18
VTRNA	0.84	3.00	60	0
TILLARI	0.00	1.19	0	0
BHIRA T.R.	0.36	8.56	77	0
SMLHY_PTN	2.90	79.56	125	116
GHATGHAR	0.00	5.15	0	0
Total	4.53	103.68		
Wind				
Total	13.17	784.92	0	0
Total	13.17	784.92		
CPP				
APML(Mus)	49.72	1458.48	0	0
JSWEL(Mus)	24.06	615.19	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	21.67	586.86	0	0
SWPGPL-Mus	10.89	281.78	0	0
Dhariwal	0.00	0.00	0	0
IEPL	3.76	134.26	223	0
Other(Mus)	0.34	12.03	0	0
Total	110.43	3088.60		
SOLAR				
Total	11.28	272.61	0	0
Total	11.28	272.61		
Tata				
Trombay 5	6.36	190.47	276	253
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.07	28.44	54	40
Trombay 7B	0.89	22.74	43	34
TATA Hydro	2.58	86.64	261	39
Trombay 8	3.26	99.58	156	129
Total	14.17	427.87		
AEML				
DTPS U-1&2	6.86	229.68	288	282
Total	6.86	229.68		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	117.86	3066.03	MSPGCL Total	133.10	3495.73
			MSPGCL Thml+Gas	124.63	3195.29	Koyna 1,2 & 4 Total	2.35	142.14
			MSPGCL Hydro	8.47	300.45	State Total	289.00	8299.42

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/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	4855	227	287	5369	425	4701	0	0	7478	7167	-1435	15838	0	0	15838	2336	389	18563	49.96
2	5020	222	284	5526	482	4694	0	0	7418	6997	-1353	15973	0	0	15973	2202	373	18548	50.00
3	4953	221	288	5462	501	4438	0	0	7538	7150	-1260	15924	0	0	15924	2084	367	18375	49.98
4	4976	221	286	5483	475	4624	0	0	7355	6998	-1194	16036	0	0	16036	2018	350	18404	49.96
5	5046	220	287	5553	443	4818	0	0	7487	7190	-1165	16495	0	0	16495	1995	344	18834	49.97
6	5069	225	289	5583	386	4772	0	0	8246	7799	-1215	16967	0	0	16967	2046	358	19371	49.99
7	4925	230	286	5441	393	4433	0	32	8828	9012	-1242	17677	0	0	17677	2076	392	20145	49.94
8	5019	412	290	5721	327	4513	0	255	8949	8802	-1296	17927	0	0	17927	2124	395	20446	49.98
9	5139	515	280	5934	209	4753	0	652	8618	8687	-1436	18390	0	0	18390	2257	409	21056	50.01
10	5145	285	280	5710	146	5053	0	1080	8708	8826	-1611	18781	0	0	18781	2436	423	21640	50.06
11	4734	309	278	5321	191	4433	0	1387	9770	9255	-1761	18394	0	0	18394	2586	432	21412	50.10
12	4599	253	277	5129	256	4402	0	1490	9562	9165	-1854	18150	0	0	18150	2657	438	21245	50.12
13	4552	239	274	5065	372	4233	0	1678	8977	8428	-1805	17545	0	0	17545	2611	426	20582	50.09
14	4396	250	274	4920	486	3967	0	1681	8469	7942	-1688	16896	0	0	16896	2476	412	19784	50.19
15	4285	259	275	4819	756	3899	0	1420	8272	8125	-1622	16987	0	0	16987	2410	410	19807	50.09
16	4523	455	281	5259	1007	4182	0	944	7780	7784	-1593	17162	0	0	17162	2390	421	19973	50.00
17	4930	282	279	5491	1253	4323	0	507	7620	7315	-1543	16912	0	0	16912	2359	434	19705	50.00
18	4771	590	282	5643	978	4275	0	147	8020	8020	-1472	17150	0	0	17150	2360	441	19951	49.94
19	5102	1093	282	6477	1041	4949	0	2	8025	7921	-1529	18424	0	0	18424	2494	437	21355	50.04
20	5070	501	283	5854	926	5451	0	0	8317	7868	-1546	18127	0	0	18127	2585	426	21138	50.05
21	5100	467	286	5853	765	4971	0	0	7617	7516	-1518	17148	0	0	17148	2572	439	20159	50.02
22	5211	424	282	5917	526	4981	0	0	7416	7279	-1478	16785	0	0	16785	2525	440	19750	50.02
23	5247	285	277	5809	424	4911	0	0	7325	7119	-1432	16406	0	0	16406	2468	425	19299	50.02
24	5188	287	284	5759	399	4656	0	0	7222	6826	-1404	15840	0	0	15840	2418	396	18654	50.01
MUs	117.85	8.47	6.77	133.10	13.17	110.43	0.00	11.27	195.02	189.19	-35.45	411.93	0.00	0.00	411.93	56.49	9.78	478.20	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 :-

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Sep/2023

Position as on 6.30 Hrs of 25/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 9	660	22/09/2023	11:39		Continued.	Boiler Tube Leakage and Unit-9 Economizer BTL outage converted to Planned outage for 10 days in view of loadability& reliability improvement.	02/10/2023
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	26/09/2023
MSPGCL	Chandrapur Unit 7	500	21/09/2023	06:43		Continued.	Boiler Tube Leakage	26/09/2023
IPP	RPL(AMT) U-1	270	21/09/2023	08:00	24/09/2023	04:58	Withdrawn due to bottom ash problem	24/09/2023
MSPGCL	Nasik Unit 4	210	22/09/2023	21:07	24/09/2023	04:31	Boiler Tube Leakage	
IPP	IEPL Unit 1	270	24/09/2023	15:01	24/09/2023	18:31	PA FAN UNBALANCED	
MSPGCL	Bhusawal Unit 3	210	25/09/2023	04:39	25/09/2023	07:15	Flame Failure	25/09/2023
MSPGCL	Bhusawal Unit 3	210	25/09/2023	07:23	25/09/2023	08:48	Drum level low	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 25/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV TBC Outages/Trippings							
POLE-2 BASE AC FILTER Z1-Z2(200MVAR) @ CHANDRAPUR HVDC	IntraState	23/09/2023	12:16	24/09/2023	18:07	PO	To replace R Ph Interrupter of Pole II Base Filter Circuit breaker as value of CRM is beyond permissible limit & Further to carry out the testing of Breaker like CRM, Timing, DCRM etc.
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 $\delta Y \delta$ 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
PADGHE - PADGHE HVDC CKT- 2	IntraState	22/09/2023	12:58			PO	1.Replacement of old BHEL make Quad CB with new siemens Quad CB. 2.A & B Bus PG Isolator Maintenance work. 3.400kV HVDC-1 in service through TBC, Power restriction of 1300MW.
KHADKA-AURANGABAD (WALUJ)	IntraState	23/09/2023	00:06	25/09/2023	09:17	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.
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.
HINJAWADI I- CHINCHWAD	IntraState	24/09/2023	07:00	24/09/2023	20:15	PO	On 24.09.2023 a) Erection of Cross Arm at Loc 160 δ 3 Cross arms b) Erection of Cross Arm at Loc 162 δ 1 Cross arm c) Stringing of conductor& OPGW from Loc 160 to 161 (4conductors) d) Stringing of conductor& OPGW from Loc 161A to 162 (2 conductors) On 25.09.2023 a) Final stringing of Conductor from Loc159 to Loc160 b) Final stringing of Conductor from Loc. 162 to Loc163

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 25/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
SAHARA-URSE	IntraState	24/09/2023	12:01	24/09/2023	16:54	HT	For Load Management
URSE - TALEGAON (AMBI) CKT 2	IntraState	24/09/2023	12:12	24/09/2023	16:42	PO	Replacement of Disc insulator string found broken in Monkey patrolling by Drone at Loc no. 22 Y-ph Urse side.
HALKARNI - TILARI LINE	IntraState	24/09/2023	12:24	24/09/2023	13:21	T	Distance Protection
TILLARI - AMONA LINE	IntraState	24/09/2023	12:27	24/09/2023	16:34	T	Distance Protection
TROMBAY - MULUND	IntraState	24/09/2023	12:34	24/09/2023	21:03	T	Distance Protection
GANGAPUR-VALVE	IntraState	24/09/2023	15:08	24/09/2023	21:18	T	LA replacement.
THEUR-JEJURI	IntraState	24/09/2023	16:50			T	Tripped on Distance protection.
BUTIBORI 3 - WARDHA	IntraState	24/09/2023	19:54	24/09/2023	21:03	T	Red hot observed and earth strip broken from bottom of B PH cc at wardha end.
FLAGSHIP-CHINCHWAD	IntraState	25/09/2023	07:53			PO	1. Erection of Monopoe at loc no.17A 2. Slip positioning of Loc 17
CHINCHWAD- PARVATI	IntraState	25/09/2023	07:53			PO	1. Erection of Monopoe at loc no.17A 2. Slip positioning of Loc 17
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							
MANSAR-PENCH	InterState	22/09/2023	07:10			HT	H/T FOR LOAD MANAGEMENT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
KHOPOLI - KARANJADE	IntraState	25/09/2023	08:02			PO	Line Side GOD Alignment defect attending

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