

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 26/Sep/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.679	3308.754	1) Gujrat	12.315	175.995
2) Hydro	10.470	319.257	2) Madhya Pradesh	6.083	117.753
3) Gas	6.172	141.623	3) Chattisgarh	3.970	93.610
Total MSPGCL	138.321	3769.634	4) Maharashtra	177.665	4771.826
B) 1) APLM	58.306	1569.754	5) Goa (Amona)	-1.668	-43.562
2) JSWEL	24.358	663.908	Total	198.365	5115.622
3) VIPL	0.000	0.000	a) Mumbai Schedule	39.148	894.340
4) RPL(AMT)	25.563	636.978	b) Mumbai Drawl	40.687	994.970
5) SWPGPL	11.582	304.974	c) MSEDCL Bilateral *	78.115	2507.390
6) Other IPP	5.013	161.736	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	39.148	894.276
C) 1) TPCL Thermal	11.710	311.748	Include PX	0.000	0.000
2) TPCL Hydro	4.383	96.038	Standby	0.000	0.064
3) TPCL Gas	1.933	55.568	H) ENERGY CATERED (MUs)		
4) AEML Thermal	7.263	244.026	1) MSEDCL	425.843	12054.266
D) STATE			2) Mumbai Discoms	65.976	1702.351
1) Thermal	265.474	7201.878	3) Other Discoms	10.293	265.612
(A1+C1+C4+(B1-B6))			TOTAL STATE	502.112	14022.229
2) Hydro (A2+C2)	14.853	415.295			
3) Gas (A3+B7+C3)	8.105	197.191			
4) Wind	5.367	798.456			
6) SOLAR	9.948	293.786			
TOTAL STATE	303.747	8906.606			

* 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 4 Hrs
MSPGCL Thermal	5076	4836	5491	4827
MSPGCL Hydro	273	349	1638	233
MSPGCL Gas	231	278	276	231
MSPGCL Total Generation	5580	5463	7405	5291
Central Sector Receipt	9993	8632	7823	7397
WIND	70	565	205	158
CPP / IPP Thermal	4955	4597	5954	4750
CPP / IPP Gas	0	0	0	0
SOLAR	1187	1377	0	0
Exchange with Mumbai	-2017	-2104	-1722	-1234
MSEDCL DEMAND MET	19305	18085	19207	16023
Load Shedding	0	0	0	0
MSEDCL DEMAND	19305	18085	19207	16023
TPCL GENERATION	617	696	1189	551
AEML GENERATION	305	299	306	299
MUMBAI DEMAND	2939	3099	3217	2084
OTHER DISCOM DEMAND	463	445	458	339
STATE DEMAND MET	22707	21629	22882	18446
STATE DEMAND	22707	21629	22882	18446
Frequency (Hz)	49.95	49.93	50.03	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.2 Hz at 06:03 Hrs	49.8 Hz at 16:36 Hrs	49.98	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 26/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.42	85.00	165	120
Unit 8	13.38	339.58	660	432
Unit 9	0.00	221.66	0	0
Unit 10	13.25	48.80	637	455
Total	30.04	695.05		
Bhusawal				
Unit 3	2.23	67.42	110	60
Unit 4	9.04	214.70	450	305
Unit 5	8.49	224.17	420	290
Total	19.76	506.28		
Parli				
Unit 6	3.87	115.58	204	120
Unit 7	4.04	104.54	209	140
Unit 8	3.87	102.55	198	133
Total	11.78	322.68		
Chandrapur				
Unit 3	3.16	79.21	150	100
Unit 4	1.92	28.55	152	0
Unit 5	0.00	0.00	0	0
Unit 6	5.73	152.20	272	194
Unit 7	0.00	125.12	0	0
Unit 8	7.73	239.86	405	243
Unit 9	9.99	215.15	471	334
Total	28.53	840.09		
Paras				
Unit 3	4.24	115.50	193	155
Unit 4	4.44	118.90	202	146
Total	8.67	234.40		
Khaparkheda				
Unit 1	2.10	68.62	115	65
Unit 2	1.84	42.25	89	53
Unit 3	3.11	88.12	141	123
Unit 4	2.86	79.89	139	106
Unit 5	9.45	215.01	435	320
Total	19.36	493.88		
Nasik				
Unit 3	0.00	71.86	0	0
Unit 4	0.00	74.64	0	0
Unit 5	3.53	69.85	157	127
Total	3.53	216.36		
Uran				
All Units	6.17	141.62	287	229
Total	6.17	141.62		
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)	1.16	22.66	50	46
Total	1.16	22.66		
Koyna				
Stage 1-2	1.86	64.11	285	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	1.72	83.58	717	0
Stage 3	0.84	35.57	240	0
Total	4.42	183.26		
Hydro				
KDPH	0.38	7.03	18	0
VTRNA	0.63	4.49	61	0
TILLARI	0.00	1.19	0	0
BHIRA T.R.	0.44	9.40	80	0
SMLHY_PTN	2.88	85.41	126	105
GHATGHAR	0.56	5.82	125	0
Total	4.88	113.34		
Wind				
Total	5.37	798.46	0	0
Total	5.37	798.46		
CPP				
APML(Mus)	58.31	1569.75	0	0
JSWEL(Mus)	24.36	663.91	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.56	636.98	0	0
SWPGPL-Mus	11.58	304.97	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.67	143.51	253	0
Other(Mus)	0.34	12.71	0	0
JPL	0.00	5.52	0	0
Total	124.82	3337.35		
SOLAR				
Total	9.95	293.79	0	0
Total	9.95	293.79		
Tata				
Trombay 5	7.76	204.87	450	267
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.03	30.89	83	38
Trombay 7B	0.90	24.68	56	35
TATA Hydro	4.38	96.04	406	67
Trombay 8	3.95	106.88	224	131
Total	18.03	463.35		
AEML				
DTPS U-1&2	7.26	244.03	314	286
Total	7.26	244.03		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	121.68	3308.75	MSPGCL Total	138.32	3769.63
			MSPGCL Thml+Gas	127.85	3450.38	Koyna 1,2 & 4 Total	3.59	147.70
			MSPGCL Hydro	10.47	319.26	State Total	303.75	8906.61

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 26/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	5041	233	231	5505	224	5474	0	0	7449	6871	-1485	16197	0	0	16197	2489	392	19078	49.97
2	5005	232	229	5466	213	4991	0	0	7391	7297	-1358	16234	0	0	16234	2312	375	18921	49.98
3	5008	232	232	5472	214	5041	0	0	7212	6888	-1280	15987	0	0	15987	2167	348	18502	49.97
4	4827	233	231	5291	158	4750	0	0	7405	7397	-1234	16023	0	0	16023	2084	339	18446	49.97
5	4898	237	232	5367	170	5234	0	0	7445	7571	-1219	16771	0	0	16771	2079	352	19202	50.00
6	4822	236	231	5289	174	5681	0	1	8285	8247	-1323	17675	0	0	17675	2188	394	20257	49.98
7	4852	357	231	5440	217	5823	0	53	9161	9385	-1431	19074	0	0	19074	2341	413	21828	49.98
8	4889	391	233	5513	180	5770	0	405	9663	9485	-1622	19286	0	0	19286	2553	445	22284	50.01
9	4954	345	230	5529	71	5365	0	862	9868	9704	-1916	19169	0	0	19169	2838	446	22453	50.00
10	5076	273	231	5580	70	4955	0	1187	9982	9993	-2017	19305	0	0	19305	2939	463	22707	49.95
11	5158	349	264	5771	63	4608	0	1319	10182	9836	-2124	19020	0	0	19020	3130	453	22603	49.99
12	4886	418	272	5576	71	4542	0	1322	10037	9537	-2139	18460	0	0	18460	3173	449	22082	49.96
13	4836	349	278	5463	565	4597	0	1377	9585	8632	-2104	18085	0	0	18085	3099	445	21629	49.93
14	4417	287	277	4981	570	4443	0	1251	9043	8751	-2064	17488	0	0	17488	2971	444	20903	50.01
15	4694	345	272	5311	358	4546	0	988	8799	8963	-2091	17642	0	0	17642	3011	433	21086	49.98
16	5243	280	270	5793	211	4721	0	704	9093	8958	-2093	17831	0	0	17831	3066	463	21360	49.96
17	5194	295	271	5760	146	4578	0	368	9291	9147	-1972	17563	0	0	17563	3061	464	21088	49.91
18	5302	816	274	6392	112	5239	0	109	8758	8311	-1775	17920	0	0	17920	3030	468	21418	49.99
19	5381	1627	273	7281	168	5725	0	2	8442	8164	-1611	19288	0	0	19288	3022	441	22751	50.02
20	5491	1638	276	7405	205	5954	0	0	8124	7823	-1722	19207	0	0	19207	3217	458	22882	50.03
21	5439	541	281	6261	310	6093	0	0	7403	7138	-1550	17792	0	0	17792	3032	460	21284	49.99
22	5498	314	282	6094	222	6044	0	0	7190	6658	-1506	17051	0	0	17051	2858	461	20370	49.98
23	5385	221	284	5890	325	5383	0	0	7255	7157	-1546	16758	0	0	16758	2713	451	19922	49.93
24	5383	221	287	5891	350	5265	0	0	7003	6452	-1505	16017	0	0	16017	2603	436	19056	50.02
MUs	121.68	10.47	6.17	138.32	5.37	124.82	0.00	9.95	204.07	198.37	-40.69	425.84	0.00	0.00	425.84	65.98	10.29	502.11	49.98

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 26/Sep/2023

Position as on 6.30 Hrs of 27/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
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
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	26/09/2023	07:14	BAVIT Metal Temperature High	26/09/2023
MSPGCL	Chandrapur Unit 7	500	21/09/2023	06:43	27/09/2023	08:00	Boiler Tube Leakage	27/09/2023
IPP	JPL Unit 1	150	21/09/2023	23:11		Continued.	Steam leakage from Turbine	
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
MSPGCL	Nasik Unit 4	210	25/09/2023	20:27		Continued.	Poor Coal Stock and ID fan 4B break down.	28/09/2023
MSPGCL	Nasik Unit 3	210	25/09/2023	23:35		Continued.	Emergency Stop Valve leakage	27/09/2023
IPP	IEPL Unit 1	270	26/09/2023	17:27	26/09/2023	19:04	PA Fan problem	
MSPGCL	Koyna STG-IV Unit-1	250	26/09/2023	19:35	26/09/2023	23:45	Governor mechanical over speed and Governor safety bolt ruptured.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 27/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
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)
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.
JAIGAD - KARAD CKT - 2	IntraState	26/09/2023	10:12	26/09/2023	17:23	PO	CVT tan delta testing, relay testing, Bus isolator alignment work, quarterly maintenace work.
KORADI-NANDGAONPETH (RPL)	IntraState	26/09/2023	10:30	26/09/2023	11:45	T	Tripped on Distance Protection.
KORADI-NANDGAONPETH (RPL)	IntraState	26/09/2023	12:49	26/09/2023	14:52	T	Tripped on distance protection.
KOLHAPUR (TALANDGE) - ALKUD	IntraState	26/09/2023	18:18			T	Tripped on distance protection.
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 500 MVA ICT - 3 @ DHULE	IntraState	25/09/2023	10:37			PO	Overhauling of own bay CB by OEM ICT-3 HV will shift on 400kV TBC
220 KV LINE Outages/Trippings							
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
AAREY - MSETCL BORIVALI CKT - 1	IntraState	25/09/2023	09:06			T	Tripped on distance protection.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	26/09/2023	08:43			HT	H/T For load management.
NAGOTHANE - ACCIL	IntraState	26/09/2023	09:25	26/09/2023	19:28	PO	Twin jumpering work at all cut point locations.
FLAGSHIP-CHINCHWAD	IntraState	26/09/2023	11:38	26/09/2023	21:11	PO	1. Erection of Monopoe at loc no.17A 2. Slip positioning of Loc 17
CHINCHWAD- PARVATI	IntraState	26/09/2023	11:38	26/09/2023	21:01	PO	1. Erection of Monopoe at loc no.17A 2. Slip positioning of Loc 17
PEDAMBE-KALAMBANI(TSS)	IntraState	26/09/2023	17:16			T	Tripped on distance protection.
CHAKAN-MAHINDRA VEHICLE	IntraState	26/09/2023	20:25	26/09/2023	21:20	T	Tripped on Back up protection
MAHINDRA VEHICLE-BRIDGESTONE	IntraState	26/09/2023	20:25	27/09/2023	05:24	T	Tripped on distance protection.
LAMBOTI - KARKAMB	IntraState	26/09/2023	23:52	27/09/2023	00:29	T	Tripped on distance protection
TEMBHURNI - JEUR	IntraState	26/09/2023	23:52	27/09/2023	00:38	T	Tripped at Temburni end only
VITTAL SUGAR CO GEN (VSSK) - KARKAMBH	IntraState	26/09/2023	23:52			T	Tripped on distance protection Y phase
GHATGHAR - JINDAL	IntraState	27/09/2023	05:22	27/09/2023	06:27	T	Tripped at Ghatghar end only

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 27/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 1 @ RAYMOND	IntraState	25/09/2023	21:00	26/09/2023	20:45	T	Tripped on differential protection
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.

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