

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 25/Sep/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.044	3187.075	1) Gujrat	11.962	163.680
2) Hydro	8.341	308.787	2) Madhya Pradesh	6.926	111.670
3) Gas	6.195	135.451	3) Chattisgarh	4.090	89.640
Total MSPGCL	135.580	3631.313	4) Maharashtra	179.086	4594.161
B) 1) APML	52.968	1511.448	5) Goa (Amona)	-1.655	-41.894
2) JSWEL	24.364	639.550	Total	200.409	4917.257
3) VIPL	0.000	0.000	a) Mumbai Schedule	37.487	855.193
4) RPL(AMT)	24.550	611.415	b) Mumbai Drawl	41.625	954.283
5) SWPGPL	11.612	293.392	c) MSEDCL Bilateral *	79.534	2429.274
6) Other IPP	4.913	156.723	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	37.487	855.128
C) 1) TPCL Thermal	9.989	300.038	Include PX	0.000	0.000
2) TPCL Hydro	5.011	91.655	Standby	0.000	0.064
3) TPCL Gas	2.456	53.635	H) ENERGY CATERED (MUs)		
4) AEML Thermal	7.085	236.763	1) MSEDCL	421.834	11628.423
D) STATE			2) Mumbai Discoms	66.166	1636.375
1) Thermal	256.525	6936.404	3) Other Discoms	10.327	255.319
(A1+C1+C4+(B1-B6))			TOTAL STATE	498.327	13520.117
2) Hydro (A2+C2)	13.352	400.442			
3) Gas (A3+B7+C3)	8.651	189.086			
4) Wind	8.165	793.089			
6) SOLAR	11.225	283.838			
TOTAL STATE	297.918	8602.859			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4936	5322	5480	4962
MSPGCL Hydro	311	341	881	232
MSPGCL Gas	286	232	228	286
MSPGCL Total Generation	5533	5895	6589	5480
Central Sector Receipt	9929	8849	8488	6467
WIND	156	435	554	427
CPP / IPP Thermal	4889	5271	5785	4696
CPP / IPP Gas	0	0	0	0
SOLAR	1156	140	10	0
Exchange with Mumbai	-2210	-1972	-1718	-1141
MSEDCL DEMAND MET	18982	18147	19235	15585
Load Shedding	0	0	0	0
MSEDCL DEMAND	18982	18147	19235	15585
TPCL GENERATION	576	859	1135	606
AEML GENERATION	285	304	291	285
MUMBAI DEMAND	3071	3135	3144	2032
OTHER DISCOM DEMAND	471	471	473	344
STATE DEMAND MET	22524	21753	22852	17961
STATE DEMAND	22524	21753	22852	17961
Frequency (Hz)	49.96	49.97	49.98	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.15 Hz at 16:02 Hrs	49.83 Hz at 14:25 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 25/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.24	81.58	155	100
Unit 8	14.57	326.21	660	446
Unit 9	0.00	221.66	0	0
Unit 10	11.91	35.55	600	375
Total	29.72	665.00		
Bhusawal				
Unit 3	2.10	65.18	125	0
Unit 4	8.47	205.65	460	285
Unit 5	7.76	215.68	400	220
Total	18.34	486.52		
Parli				
Unit 6	4.13	111.71	236	146
Unit 7	3.68	100.51	180	144
Unit 8	3.70	98.68	180	132
Total	11.52	310.90		
Chandrapur				
Unit 3	2.90	76.05	140	104
Unit 4	0.00	26.63	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.07	146.47	278	165
Unit 7	0.00	125.12	0	0
Unit 8	8.57	232.13	461	281
Unit 9	9.33	205.17	446	316
Total	25.86	811.56		
Paras				
Unit 3	4.02	111.27	186	146
Unit 4	3.97	114.47	208	130
Total	7.99	225.73		
Khaparkheda				
Unit 1	2.20	66.52	120	65
Unit 2	1.65	40.40	105	46
Unit 3	3.14	85.01	149	121
Unit 4	2.83	77.03	125	101
Unit 5	9.33	205.56	430	300
Total	19.15	474.53		
Nasik				
Unit 3	2.98	71.86	142	35
Unit 4	2.48	74.64	135	0
Unit 5	3.02	66.32	143	114
Total	8.48	212.83		
Uran				
All Units	6.20	135.45	287	227
Total	6.20	135.45		
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)	1.09	21.50	46	44
Total	1.09	21.50		
Koyna				
Stage 1-2	1.76	62.24	205	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.21	81.86	211	0
Stage 3	0.51	34.73	188	0
Total	2.48	178.84		
Hydro				
KDPH	0.43	6.65	18	18
VTRNA	0.86	3.86	61	0
TILLARI	0.00	1.19	0	0
BHIRA T.R.	0.40	8.96	80	0
SMLHY_PTN	2.97	82.53	127	115
GHATGHAR	0.11	5.26	80	0
Total	4.77	108.45		
Wind				
Total	8.16	793.09	0	0
Total	8.16	793.09		
CPP				
APML(Mus)	52.97	1511.45	0	0
JSWEL(Mus)	24.36	639.55	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.55	611.42	0	0
SWPGPL-Mus	11.61	293.39	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.57	138.84	226	151
Other(Mus)	0.34	12.37	0	0
JPL	0.00	5.52	0	0
Total	118.41	3212.53		
SOLAR				
Total	11.22	283.84	0	0
Total	11.22	283.84		
Tata				
Trombay 5	6.64	197.11	397	258
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.41	29.85	108	37
Trombay 7B	1.04	23.78	64	33
TATA Hydro	5.01	91.66	410	95
Trombay 8	3.35	102.93	214	130
Total	17.46	445.33		
AEML				
DTPS U-1&2	7.08	236.76	317	279
Total	7.08	236.76		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	121.04	3187.08	MSPGCL Total	135.58	3631.31
			MSPGCL Thml+Gas	127.24	3322.53	Koyna 1,2 & 4 Total	1.97	144.11
			MSPGCL Hydro	8.34	308.79	State Total	297.92	8602.86

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 25/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	4900	227	285	5412	390	4612	0	0	7262	7083	-1340	15780	0	0	15780	2308	377	18465	49.98
2	5065	227	287	5579	405	4665	0	0	6744	6518	-1222	15583	0	0	15583	2153	362	18098	49.97
3	4962	232	286	5480	427	4696	0	0	6698	6467	-1141	15585	0	0	15585	2032	344	17961	49.97
4	4955	228	287	5470	393	4611	0	0	6920	6696	-1059	15765	0	0	15765	1967	346	18078	49.98
5	5014	228	286	5528	385	4678	0	0	7186	7002	-1060	16180	0	0	16180	1963	353	18496	50.01
6	5151	227	287	5665	366	4710	0	0	8255	8102	-1202	17264	0	0	17264	2076	377	19717	50.00
7	5027	284	286	5597	281	5112	0	40	9115	9327	-1387	18560	0	0	18560	2247	410	21217	49.97
8	5094	343	286	5723	165	5400	0	295	9516	9580	-1575	19153	0	0	19153	2448	435	22036	50.01
9	5133	428	287	5848	178	5020	0	753	9629	9644	-1923	19052	0	0	19052	2770	468	22290	50.01
10	4936	311	286	5533	156	4889	0	1156	9779	9929	-2210	18982	0	0	18982	3071	471	22524	49.96
11	4681	304	281	5266	166	4490	0	1565	10169	10163	-2437	18736	0	0	18736	3297	477	22510	49.98
12	4585	348	278	5211	189	4457	0	1428	9800	9773	-2468	18126	0	0	18126	3359	464	21949	49.98
13	5070	308	238	5616	222	4541	0	1411	9181	8506	-2332	17493	0	0	17493	3297	471	21261	49.95
14	4587	291	236	5114	339	4379	0	1545	9193	8810	-2228	17512	0	0	17512	3160	447	21119	50.02
15	4491	310	235	5036	344	4142	0	1389	9201	9141	-2246	17365	0	0	17365	3198	441	21004	49.93
16	4790	449	230	5469	411	4192	0	957	9122	9175	-2173	17579	0	0	17579	3238	452	21269	49.98
17	5195	381	231	5807	454	4459	0	536	9131	9058	-2042	17809	0	0	17809	3201	463	21473	49.95
18	5322	341	232	5895	435	5271	0	140	9091	8849	-1972	18147	0	0	18147	3135	471	21753	49.97
19	5480	881	228	6589	554	5785	0	10	8613	8488	-1718	19235	0	0	19235	3144	473	22852	49.98
20	5513	516	228	6257	635	5870	0	0	8760	8584	-1613	19264	0	0	19264	3083	469	22816	49.99
21	5461	437	227	6125	499	5555	0	0	7947	7910	-1669	17958	0	0	17958	2921	462	21341	50.00
22	5406	440	229	6075	257	5657	0	0	7398	7407	-1579	17364	0	0	17364	2780	453	20597	50.00
23	5255	313	230	5798	273	5752	0	0	7259	7203	-1525	17064	0	0	17064	2698	437	20199	50.00
24	4971	287	229	5487	241	5464	0	0	7340	6994	-1504	16276	0	0	16276	2620	406	19302	49.99
MUs	121.04	8.34	6.19	135.58	8.17	118.41	0.00	11.22	203.31	200.41	-41.62	421.83	0.00	0.00	421.83	66.17	10.33	498.33	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 25/Sep/2023

Position as on 6.30 Hrs of 26/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	Koyana Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
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	26/09/2023	07:14	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	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	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	
IPP	RPL(AMT) U-5	270	25/09/2023	14:53	25/09/2023	16:55	Flame Failure	
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	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 26/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							
315 MVA ICT- II HV BAY	IntraState	25/09/2023	12:09	25/09/2023	17:28	PO	1. Measurement of CB timing, CRM, DCRM. 2. Maintenance and alignment of PG-1 & PG-2 Isolators. 3. 400/220/33KV ICT-2 will be in service via 400KV TBC-1
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 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
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
JAIGAD - KARAD CKT - 1	IntraState	25/09/2023	11:25	25/09/2023	17:36	PO	CVT tan delta testing work, Quarterly maintenance 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.
400/220/33 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 TBC Outages/Trippings							
TBC @ BHOSARI 2	IntraState	25/09/2023	10:20	25/09/2023	15:30	PO	Half Yearly Maintenance 2. EHV CB CRM, Timing, IR measurement. 3. EHV CT IR measurement.
220 KV LINE Outages/Trippings							
AAREY - MSETCL BORIVALI CKT - 2	IntraState	15/08/2023	06:02	25/09/2023	07:18	T	Tripped on Distance Protection
AAREY - MSETCL BORIVALI CKT - 2	IntraState	15/08/2023	06:02	25/09/2023	07:18	T	
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.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 26/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
VANKUSWADE - AJINKYATARA	IntraState	25/09/2023	05:05	25/09/2023	14:50	T	Tripped on distance protection.The fault observed at Loc No-97 R phase polymer fault.
CHINCHWAD- PARVATI	IntraState	25/09/2023	07:53	25/09/2023	21:31	PO	1. Erection of Monopoe at loc no.17A 2. Slip positioning of Loc 17
FLAGSHIP-CHINCHWAD	IntraState	25/09/2023	07:53	25/09/2023	21:28	PO	1. Erection of Monopoe at loc no.17A 2. Slip positioning of Loc 17
AAREY - MSETCL BORIVALI CKT - 1	IntraState	25/09/2023	09:06			T	Tripped on distance protection.
BHUGAON - WARDHA (PG)	IntraState	25/09/2023	10:42	25/09/2023	20:26	HT	At wardha pg :- for replacement of old bhel insulators on gantries of element.
BHUGAON - WARDHA (PG)	IntraState	25/09/2023	10:42	25/09/2023	20:26	PO	For Replacement of Old BHEL Insulators on gantries of element
OSMANABAD - PARLY (PG)	IntraState	25/09/2023	11:11	25/09/2023	14:08	T	R(RYB) phase disk flashover replacemnt at loc no.337.
PUSAD - WARDHA (PG)	IntraState	25/09/2023	11:24	25/09/2023	21:10	PO	For Replacement of Old BHEL Insulators on gantries of element
PUSAD - WARDHA (PG)	IntraState	25/09/2023	11:24	25/09/2023	21:10	HT	At wardha pg :- for replacement of old bhel insulators on gantries of element.
MALHARPETH SATARA MIDC	IntraState	25/09/2023	12:16	25/09/2023	14:46	HT	H/T for safety purpose to attend breakdown on220KV Ajinkyatara-Vankuswade line due to multi-ckt tower.
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			PO	Twin jumpering work at all cut point locations.
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 200MVA PTR NO 3 @ CHINCHWAD	IntraState	25/09/2023	12:54	25/09/2023	15:54	HT	Emergency H/T due to "R " Phase HV CT Busbar Core Cable found Burnt in Busbar Relay panel.
220/132 KV 200 MVA ICT 1 @ RAYMOND	IntraState	25/09/2023	21:00			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.
KHOPOLI - KARANJADE	IntraState	25/09/2023	08:02	25/09/2023	12:32	PO	Line Side GOD Alignment defect attending

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