

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 17/Sep/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	114.458	2204.027	1) Gujrat	11.622	62.561
2) Hydro	6.127	233.951	2) Madhya Pradesh	8.909	45.816
3) Gas	3.476	85.909	3) Chattisgarh	3.030	54.650
Total MSPGCL	124.061	2523.887	4) Maharashtra	170.851	3174.939
B) 1) APMIL	55.474	1022.937	5) Goa (Amona)	-1.853	-30.686
2) JSWEL	26.008	439.891	Total	192.559	3307.280
3) VIPL	0.000	0.000	a) Mumbai Schedule	32.991	573.744
4) RPL(AMT)	24.910	430.080	b) Mumbai Drawl	35.526	644.242
5) SWPGPL	11.388	200.698	c) MSEDCL Bilateral *	120.431	1707.879
6) Other IPP	5.671	106.462	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	32.991	573.680
C) 1) TPCL Thermal	10.904	213.323	Include PX	0.000	0.000
2) TPCL Hydro	0.696	62.376	Standby	0.000	0.064
3) TPCL Gas	2.410	37.129	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.889	164.673	1) MSEDCL	456.556	8031.281
D) STATE			2) Mumbai Discoms	58.425	1121.744
1) Thermal	257.702	4782.091	3) Other Discoms	9.714	174.736
(A1+C1+C4+(B1-B6))			TOTAL STATE	524.695	9327.761
2) Hydro (A2+C2)	6.823	296.327			
3) Gas (A3+B7+C3)	5.886	123.038			
4) Wind	49.014	629.395			
6) SOLAR	12.711	189.629			
TOTAL STATE	332.136	6020.480			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	4278	4315	5166	4699
MSPGCL Hydro	191	264	437	169
MSPGCL Gas	143	143	145	146
MSPGCL Total Generation	4612	4722	5748	5014
Central Sector Receipt	8618	8241	8884	6803
WIND	2838	2786	1386	1885
CPP / IPP Thermal	4323	4228	5762	5542
CPP / IPP Gas	0	0	0	0
SOLAR	1665	1575	0	0
Exchange with Mumbai	-1566	-1579	-1486	-1381
MSEDCL DEMAND MET	20068	19575	19866	17490
Load Shedding	0	0	0	0
MSEDCL DEMAND	20068	19575	19866	17490
TPCL GENERATION	720	748	693	548
AEML GENERATION	289	289	431	407
MUMBAI DEMAND	2575	2616	2610	2336
OTHER DISCOM DEMAND	422	398	428	373
STATE DEMAND MET	23065	22589	22904	20199
STATE DEMAND	23065	22589	22904	20199
Frequency (Hz)	50.00	49.97	49.98	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.23 Hz at 15:02 Hrs	49.77 Hz at 00:05 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 17/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.82	55.00	140	85
Unit 8	13.22	214.15	625	393
Unit 9	9.63	182.30	403	397
Unit 10	0.00	0.00	0	0
Total	25.67	451.46		
Bhusawal				
Unit 3	1.62	44.44	90	45
Unit 4	0.00	144.05	0	0
Unit 5	7.96	148.46	370	290
Total	9.57	336.96		
Parli				
Unit 6	4.23	76.02	225	146
Unit 7	4.10	65.98	220	144
Unit 8	3.00	67.12	170	72
Total	11.33	209.12		
Chandrapur				
Unit 3	3.26	52.86	155	116
Unit 4	2.68	21.97	118	100
Unit 5	0.00	0.00	0	0
Unit 6	5.19	100.69	250	180
Unit 7	4.42	105.62	215	149
Unit 8	8.12	157.59	405	278
Unit 9	8.31	123.50	405	215
Total	31.99	562.24		
Paras				
Unit 3	4.50	76.16	208	142
Unit 4	4.52	79.52	208	147
Total	9.01	155.67		
Khaparkheda				
Unit 1	3.04	46.00	140	115
Unit 2	1.53	28.51	78	50
Unit 3	3.48	57.35	169	130
Unit 4	3.43	54.23	164	124
Unit 5	9.04	161.21	430	290
Total	20.52	347.30		
Nasik				
Unit 3	0.00	46.81	0	0
Unit 4	3.20	53.84	146	123
Unit 5	3.16	40.64	150	118
Total	6.36	141.29		
Uran				
All Units	3.48	85.91	147	142
Total	3.48	85.91		
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	13.59	50	46
Total	1.13	13.59		
Koyna				
Stage 1-2	1.63	47.39	230	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.23	70.91	117	0
Stage 3	0.47	27.91	136	0
Total	2.33	146.20		
Hydro				
KDPH	0.00	4.48	0	0
VTRNA	0.00	0.49	0	0
TILLARI	0.00	0.71	0	0
BHIRA T.R.	0.26	6.00	40	0
SMLHY_PTN	2.31	58.15	104	88
GHATGHAR	0.10	4.33	70	0
Total	2.66	74.16		
Wind				
Total	49.01	629.40	0	0
Total	49.01	629.40		
CPP				
APML(Mus)	55.47	1022.94	0	0
JSWEL(Mus)	26.01	439.89	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.91	430.08	0	0
SWPGPL-Mus	11.39	200.70	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.34	96.79	253	179
Other(Mus)	0.34	9.67	0	0
Total	123.45	2200.07		
SOLAR				
Total	12.71	189.63	0	0
Total	12.71	189.63		
Tata				
Trombay 5	7.24	139.83	450	259
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.36	20.68	106	37
Trombay 7B	1.04	16.44	64	34
TATA Hydro	0.70	62.38	65	8
Trombay 8	3.66	73.49	218	130
Total	14.01	312.83		
AEML				
DTPS U-1&2	8.89	164.67	490	283
Total	8.89	164.67		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	114.46	2204.03	MSPGCL Total	124.06	2523.89
			MSPGCL Thml+Gas	117.93	2289.94	Koyna 1,2 & 4 Total	1.86	118.30
			MSPGCL Hydro	6.13	233.95	State Total	332.14	6020.48

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 17/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	4658	224	146	5028	2041	5321	0	0	6959	7001	-1452	17532	0	0	17532	2504	407	20443	49.98
2	4699	169	146	5014	1885	5542	0	0	6893	6803	-1381	17490	0	0	17490	2336	373	20199	50.01
3	4707	169	147	5023	2491	5648	0	0	6939	7016	-1268	18544	0	0	18544	2211	366	21121	50.01
4	4719	170	147	5036	1991	5880	0	0	6956	6740	-1273	18018	0	0	18018	2130	356	20504	50.05
5	4874	170	146	5190	2057	5841	0	0	7384	7094	-1159	18689	0	0	18689	2084	334	21107	50.05
6	4694	168	145	5007	2208	5302	0	0	8309	8277	-1131	19290	0	0	19290	2127	373	21790	50.09
7	4764	346	146	5256	1976	5126	0	101	8451	8623	-1111	19575	0	0	19575	2149	396	22120	50.06
8	4833	267	146	5246	1982	5461	0	511	8530	8590	-1163	20216	0	0	20216	2209	411	22836	50.03
9	4867	250	144	5261	2245	5100	0	1059	8318	8398	-1407	20231	0	0	20231	2334	425	22990	50.01
10	4802	208	145	5155	2536	4777	0	1488	8596	8133	-1580	20088	0	0	20088	2471	421	22980	50.05
11	4278	191	143	4612	2838	4323	0	1665	8918	8618	-1566	20068	0	0	20068	2575	422	23065	50.00
12	4195	320	143	4658	2886	4177	0	1593	8506	8498	-1559	19861	0	0	19861	2616	392	22869	49.96
13	4315	264	143	4722	2786	4228	0	1575	7970	8241	-1579	19575	0	0	19575	2616	398	22589	49.97
14	4548	377	144	5069	2680	4505	0	1394	7525	7701	-1713	19245	0	0	19245	2574	391	22210	49.98
15	4668	202	144	5014	2507	4581	0	1319	8032	8042	-1725	19354	0	0	19354	2539	384	22277	50.03
16	4735	182	142	5059	2367	4587	0	1098	8296	8500	-1747	19443	0	0	19443	2550	421	22414	50.00
17	4617	182	143	4942	2097	4523	0	695	8889	8563	-1745	18642	0	0	18642	2509	433	21584	49.93
18	4973	176	145	5294	1674	4845	0	211	8854	8364	-1621	18332	0	0	18332	2473	435	21240	49.95
19	5162	490	144	5796	1469	5194	0	2	8969	8887	-1499	19394	0	0	19394	2539	455	22388	50.01
20	5166	437	145	5748	1386	5762	0	0	9503	8884	-1486	19866	0	0	19866	2610	428	22904	49.98
21	5043	350	146	5539	1193	5446	0	0	8731	8480	-1566	18665	0	0	18665	2608	427	21700	49.92
22	5126	387	147	5660	1219	5768	0	0	7832	7816	-1609	18419	0	0	18419	2594	435	21448	50.05
23	5092	239	144	5475	1249	5962	0	0	7875	7554	-1588	18227	0	0	18227	2546	425	21198	50.04
24	4923	189	145	5257	1251	5552	0	0	7953	7736	-1598	17791	0	0	17791	2521	407	20719	50.03
MUs	114.46	6.13	3.48	124.06	49.01	123.45	0.00	12.71	195.19	192.56	-35.53	456.56	0.00	0.00	456.56	58.42	9.71	524.70	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 :-

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 17/Sep/2023

Position as on 6.30 Hrs of 18/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	17/09/2023	21:25	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.	18/09/2023
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	Uran Unit 8	108	13/09/2023	14:03		Continued.	Gas shortage	
MSPGCL	Nasik Unit 3	210	15/09/2023	05:45	18/09/2023	07:43	Boiler Tube Leakage	18/09/2023
MSPGCL	Bhusawal Unit 4	500	17/09/2023	00:00		Continued.	Boiler Tube Leakage	21/09/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 17/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 18/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/Tripping							
BUS COUPLER @ KOLHAPUR-III (TALANDGE)-400 KV	IntraState	18/09/2023	03:25	18/09/2023	03:50	T	heavy sparking observed at Y phase,D isolator of 400kV Karad-Kolhapur2
400 KV LINE Outages/Tripping							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
KOLHAPUR - SOLAPUR (PG) CKT - 2	InterState	18/09/2023	03:25	18/09/2023	05:45	T	heavy sparking observed at Y phase,D isolator of 400kV Karad-Kolhapur2
TALANDGE - KOLHAPUR (PG) CKT - 1	InterState	18/09/2023	03:25	18/09/2023	05:23	T	heavy sparking observed at Y phase,D isolator of 400kV Karad-Kolhapur2
KUDUS - KALA CKT - 1	InterState	18/09/2023	09:13			HT	TO ATTEND HOT SPOT BY POWERGRID
KUDUS - KALA CKT - 2	InterState	18/09/2023	09:15			HT	SAFETY PURPOSE AND TO ATTEND HOT SPOT BY POWERGRID ON CKT -1
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
KARAD - TALANDGE CKT - 1	IntraState	16/09/2023	16:59	17/09/2023	08:00	PO	C bus 400kV PG Isolator overhauling work
KHARGHAR - TALEGAON (PG)	IntraState	16/09/2023	19:57	18/09/2023	08:39	PO	Outage required for tower shifting work for MIDC road construction work
KHADKA-AURANGABAD (WALUJ)	IntraState	16/09/2023	20:08	18/09/2023	06:44	HT	H/T for voltage management
KARAD - TALANDGE CKT - 2	IntraState	17/09/2023	14:30			PO	C bus 400kV PG isolator overhauling work Quarterly maintenance work
CHANDRAPUR 2- KUMBHARGAON (NANDED) CKT - 1	IntraState	17/09/2023	20:34			T	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.
400/6.9 KV 60 MVA STATION TRANSFORMER-1 @ DHARIWAL (STU)	IntraState	16/09/2023	09:35			PO	Bay equipments PM and testing work (CT Tan Delta, CB CRM& DCRM)
400/220/33 KV 500MVA ICT - 3 @ BABHALESHWAR	IntraState	16/09/2023	13:35	17/09/2023	22:06	PO	Rapid Restoration Scheme work;LV CB DCRM,timing,Bushing tan D,winding tanD,LV CT tan D,HV/LV LBB relay;Quarterly maintenance work
400/220/33 KV 315 MVA ICT - 2 @ KOLHAPUR	IntraState	18/09/2023	03:25	18/09/2023	04:30	T	heavy sparking observed at Y phase,D isolator of 400kV Karad-Kolhapur2
400/220/33 KV 500 MVA ICT - 1 @ KOLHAPUR	IntraState	18/09/2023	03:25	18/09/2023	04:39	T	heavy sparking observed at Y phase,D isolator of 400kV Karad-Kolhapur2
167 MVA SPARE ICT @ TALANDGE	IntraState	18/09/2023	03:25	18/09/2023	05:51	T	heavy sparking observed at Y phase,D isolator of 400kV Karad-Kolhapur2
220 KV MAINBAY Outages/Tripping							
220 KV BUS COUPLER	IntraState	17/09/2023	06:36	17/09/2023	13:58	T	B/C Y PH jumper opened.
220 KV LINE Outages/Tripping							
AAREY - MSETCL BORIVALI CKT - 2	IntraState	15/08/2023	06:02			T	Tripped on Distance Protection

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 18/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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) - NAVASARI CKT - 2	IntraState	12/09/2023	09:38			HT	H/T for load management
EKLAHARE (OCR) - PADGHE	IntraState	16/09/2023	18:27			HT	H/T For load management.
URSE-CHINCHWAD	IntraState	17/09/2023	00:53	17/09/2023	02:57	HT	emergency outage
URSE-CHINCHWAD	IntraState	17/09/2023	00:53	17/09/2023	02:57	EO	for attending Hotspot on R ph CT clamp CB side (74�C)
SATANA - GANGAPUR	IntraState	17/09/2023	06:36	17/09/2023	08:13	T	TRIPPED ON DISTANCE PROTECTION
SATANA - GANGAPUR	IntraState	17/09/2023	06:36	17/09/2023	09:46	T	B/C Y PH jumper opened.
GANGAPUR-VALVE	IntraState	17/09/2023	06:36	17/09/2023	07:50	T	B/C Y PH jumper opened.
SHIVAJINAGAR - GANGAPUR	IntraState	17/09/2023	06:36	17/09/2023	09:08	T	B/C Y PH jumper opened.
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 / 105 / 33kV 250 MVA ICT 7 @ DHARAVI	IntraState	17/09/2023	10:18	17/09/2023	11:50	PO	145kV GIS Project Work: CSD Commissioning
220 / 110 / 33kV 250MVA ICT 8 @ DHARAVI	IntraState	17/09/2023	13:58	17/09/2023	16:14	PO	145kV GIS Project Work: CSD Commissioning
220 / 110 / 33kV 250MVA ICT 10 @ DHARAVI	IntraState	17/09/2023	16:35	17/09/2023	17:17	PO	145kV GIS Project Work: CSD Commissioning
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			HT	H/T AT PENCH END SYSTEM CONSTRAINT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
BHIRA (T) - KHOPOLI 2	IntraState	18/09/2023	09:24			PO	BK2 Bay TBS GOD defect attending work

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