

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 18/Sep/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	120.813	2324.840	1) Gujrat	13.168	75.729
2) Hydro	7.032	240.983	2) Madhya Pradesh	8.679	54.495
3) Gas	3.467	89.376	3) Chattisgarh	3.400	58.050
Total MSPGCL	131.312	2655.199	4) Maharashtra	181.188	3356.127
B) 1) APLM	61.756	1084.693	5) Goa (Amona)	-1.573	-32.259
2) JSWEL	26.406	466.297	Total	204.862	3512.142
3) VIPL	0.000	0.000	a) Mumbai Schedule	39.812	613.556
4) RPL(AMT)	25.533	455.613	b) Mumbai Drawl	43.180	687.422
5) SWPGPL	11.804	212.502	c) MSEDCL Bilateral *	121.398	1829.277
6) Other IPP	6.046	112.508	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	39.812	613.492
C) 1) TPCL Thermal	10.132	223.455	Include PX	0.000	0.000
2) TPCL Hydro	2.609	64.985	Standby	0.000	0.064
3) TPCL Gas	2.376	39.505	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.268	172.941	1) MSEDCL	468.856	8500.137
D) STATE			2) Mumbai Discoms	66.565	1188.309
1) Thermal	270.758	5052.849	3) Other Discoms	10.123	184.859
(A1+C1+C4+(B1-B6))			TOTAL STATE	545.544	9873.305
2) Hydro	9.641	305.968			
(A2+C2)					
3) Gas	5.843	128.881			
(A3+B7+C3)					
4) Wind	39.217	668.612			
6) SOLAR	15.223	204.852			
TOTAL STATE	340.682	6361.162			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5156	5111	5372	4800
MSPGCL Hydro	292	185	533	202
MSPGCL Gas	142	143	143	147
MSPGCL Total Generation	5590	5439	6048	5149
Central Sector Receipt	9113	9341	9092	7255
WIND	2162	1941	1561	1267
CPP / IPP Thermal	5149	5360	5892	5498
CPP / IPP Gas	0	0	0	0
SOLAR	1858	1198	0	0
Exchange with Mumbai	-2301	-2312	-1755	-1259
MSEDCL DEMAND MET	21126	20520	20373	17577
Load Shedding	0	0	0	0
MSEDCL DEMAND	21126	20520	20373	17577
TPCL GENERATION	705	623	872	493
AEML GENERATION	398	313	364	303
MUMBAI DEMAND	3404	3248	2991	2055
OTHER DISCOM DEMAND	445	447	465	333
STATE DEMAND MET	24975	24215	23829	19965
STATE DEMAND	24975	24215	23829	19965
Frequency (Hz)	49.97	49.98	50.05	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.3 Hz at 14:02 Hrs	49.78 Hz at 12:12 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 18/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.30	58.30	160	110
Unit 8	12.33	226.48	575	425
Unit 9	9.06	191.36	405	332
Unit 10	0.00	0.00	0	0
Total	24.69	476.15		
Bhusawal				
Unit 3	2.38	46.83	120	75
Unit 4	0.00	144.05	0	0
Unit 5	8.52	156.98	405	315
Total	10.90	347.86		
Parli				
Unit 6	4.51	80.53	233	148
Unit 7	4.32	70.30	216	148
Unit 8	3.82	70.94	191	130
Total	12.66	221.78		
Chandrapur				
Unit 3	2.81	55.67	148	89
Unit 4	2.96	24.94	142	96
Unit 5	0.00	0.00	0	0
Unit 6	5.05	105.74	295	135
Unit 7	5.11	110.73	220	201
Unit 8	9.83	167.42	440	375
Unit 9	10.22	133.72	458	392
Total	35.98	598.22		
Paras				
Unit 3	4.33	80.49	205	145
Unit 4	4.28	83.79	203	144
Total	8.61	164.28		
Khaparkheda				
Unit 1	2.66	48.65	135	80
Unit 2	1.61	30.12	76	60
Unit 3	3.73	61.08	170	140
Unit 4	3.45	57.68	162	121
Unit 5	7.96	169.17	400	245
Total	19.40	366.70		
Nasik				
Unit 3	2.07	48.88	145	0
Unit 4	3.30	57.14	150	125
Unit 5	3.20	43.84	148	118
Total	8.57	149.86		
Uran				
All Units	3.47	89.38	147	142
Total	3.47	89.38		
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)	0.82	14.42	54	20
Total	0.82	14.42		
Koyna				
Stage 1-2	1.44	48.83	200	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	1.08	71.98	258	0
Stage 3	0.54	28.45	144	0
Total	3.06	149.26		
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.	0.29	6.29	40	0
SMLHY_PTN	2.86	61.01	139	105
GHATGHAR	0.00	4.33	0	0
Total	3.15	77.30		
Wind				
Total	39.22	668.61	0	0
Total	39.22	668.61		
CPP				
APML(Mus)	61.76	1084.69	0	0
JSWEL(Mus)	26.41	466.30	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.53	455.61	0	0
SWPGPL-Mus	11.80	212.50	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.71	102.50	254	200
Other(Mus)	0.34	10.00	0	0
Total	131.54	2331.61		
SOLAR				
Total	15.22	204.85	0	0
Total	15.22	204.85		
Tata				
Trombay 5	6.78	146.61	359	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.35	22.03	108	37
Trombay 7B	1.03	17.48	65	34
TATA Hydro	2.61	64.98	263	16
Trombay 8	3.35	76.84	185	129
Total	15.12	327.94		
AEML				
DTPS U-1&2	8.27	172.94	480	289
Total	8.27	172.94		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	120.81	2324.84	MSPGCL Total	131.31	2655.20
			MSPGCL Thml+Gas	124.28	2414.22	Koyna 1,2 & 4 Total	2.52	120.81
			MSPGCL Hydro	7.03	240.98	State Total	340.68	6361.16

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 18/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	4868	415	144	5427	1388	5764	0	0	7173	6968	-1467	17703	0	0	17703	2428	377	20508	50.01
2	4761	189	146	5096	1398	5670	0	0	7382	7231	-1412	17628	0	0	17628	2273	355	20256	50.02
3	4738	190	145	5073	1328	5489	0	0	7456	7434	-1339	17648	0	0	17648	2134	337	20119	50.02
4	4800	202	147	5149	1267	5498	0	0	7486	7255	-1259	17577	0	0	17577	2055	333	19965	50.00
5	4822	235	145	5202	1294	5594	0	0	7979	7833	-1249	18321	0	0	18321	2043	353	20717	49.99
6	4901	190	147	5238	1333	5447	0	0	9033	9205	-1279	19556	0	0	19556	2134	388	22078	49.97
7	4905	408	147	5460	1397	5757	0	89	9650	9712	-1407	20603	0	0	20603	2278	405	23286	50.04
8	4854	448	146	5448	1365	5715	0	621	9813	9267	-1578	20421	0	0	20421	2463	417	23301	50.04
9	4796	418	146	5360	1708	5392	0	1330	9151	8936	-1883	20382	0	2	20382	2816	461	23659	50.02
10	4937	311	144	5392	2049	5433	0	1796	8899	8535	-2092	20677	0	4	20677	3128	436	24241	49.98
11	4919	329	145	5393	2058	4969	0	2028	8880	8999	-2225	20771	0	3	20771	3341	451	24563	50.02
12	5156	292	142	5590	2162	5149	0	1858	8934	9113	-2301	21126	0	1	21126	3404	445	24975	49.97
13	4948	463	142	5553	2016	4721	0	1840	8998	8889	-2341	20246	0	0	20246	3331	432	24009	49.96
14	5016	207	143	5366	2091	4760	0	1817	8792	8738	-2257	20072	0	0	20072	3218	443	23733	50.10
15	4996	168	142	5306	2212	4904	0	1638	9087	8887	-2309	20197	0	0	20197	3212	441	23850	50.07
16	5111	185	143	5439	1941	5360	0	1198	9117	9341	-2312	20520	0	0	20520	3248	447	24215	49.98
17	5090	195	144	5429	1779	5563	0	746	8989	8970	-2270	19746	0	0	19746	3204	471	23421	50.08
18	5191	205	144	5540	1647	5628	0	247	9363	9333	-2106	19831	0	0	19831	3079	458	23368	50.00
19	5114	615	144	5873	1595	5175	0	15	10073	9922	-1967	20135	0	0	20135	3054	478	23667	49.96
20	5372	533	143	6048	1561	5892	0	0	9541	9092	-1755	20373	0	0	20373	2991	465	23829	50.05
21	5371	230	143	5744	1474	6025	0	0	8565	8223	-1613	19415	0	0	19415	2848	438	22701	50.06
22	5425	227	145	5797	1392	6000	0	0	8088	7826	-1611	18957	0	0	18957	2737	447	22141	50.03
23	5400	188	145	5733	1388	5947	0	0	7910	7709	-1622	18726	0	0	18726	2626	429	21781	49.99
24	5322	189	145	5656	1374	5693	0	0	7763	7444	-1526	18227	0	0	18227	2520	414	21161	50.01
MUs	120.81	7.03	3.47	131.31	39.22	131.55	0.00	15.22	208.12	204.86	-43.18	468.86	0.00	0.01	468.86	66.57	10.12	545.54	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 :-

1) 220/33kv 50MVA TF overload at 220kv Kopergaon S/stn.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 18/Sep/2023

Position as on 6.30 Hrs of 19/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-10	660	11/07/2023	00:45		Continued.	Capital Overhaul.	20/09/2023
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	23/09/2023
MSPGCL	Khaparkheda Unit 5	500	19/09/2023	02:22		Continued.	Boiler Validity Renevoation	22/09/2023
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	19/09/2023	03:32	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	19/09/2023	00:28	Boiler Tube Leakage	19/09/2023
MSPGCL	Chandrapur Unit 4	210	19/09/2023	12:33		Continued.	BAVIT Metal Temperature High	23/09/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 19/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							
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
MAIN BAY (410) OF RPL CKT-2 @ AKOLA 2	IntraState	18/09/2023	10:55	18/09/2023	13:10	PO	Annual Maintenance of CB & CT.
400 KV LINE Outages/Trippings							
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	19/09/2023	01:48	HT	TO ATTEND HOT SPOT BY POWERGRID
KUDUS - KALA CKT - 2	InterState	18/09/2023	09:15	19/09/2023	01:37	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 2Y2 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
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	18/09/2023	15:58	PO	C bus 400kV PG isolator overhauling work Quarterly maintenance work
CHANDRAPUR 2- KUMBHARGAON (NANDED) CKT - 1	IntraState	17/09/2023	20:34	18/09/2023	19:38	T	Distance Protection
KHADKA- DEEPNAGAR CKT 1	IntraState	18/09/2023	09:57			PO	For Breaker mechanism overhauling work by agency.Line will in service through TBC and A/R will be out
400/11.5KV STATION TRANSFORMER - 2 @ TIRORA	IntraState	18/09/2023	14:40	18/09/2023	18:22	HT	AMR meter replacement work
KHADKA-AURANGABAD (WALUJ)	IntraState	18/09/2023	20:16		Continued.	HT	H/T For Voltage Management
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.
400/6.9 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 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/Trippings							
150MVA ICT 220/132KV @ 220KV NAGEWADI S/S	IntraState	18/09/2023	13:28	18/09/2023	18:52	HT	Diagnostic testing & routine maintenance work of ict.
220 KV LINE Outages/Trippings							

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 19/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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) - NAVASARI CKT - 2	IntraState	12/09/2023	09:38	18/09/2023	13:18	HT	H/T for load management
EKLAHARE (OCR) - PADGHE	IntraState	16/09/2023	18:27			HT	H/T For load management.
PEDAMBE-KALAMBANI(TSS)	IntraState	18/09/2023	14:55	18/09/2023	17:10	PO	Outage of 220 KV Pedhambe-Kalambani line for attending R phase CT oil leakage work at Pedhambe substation
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	18/09/2023	14:57	19/09/2023	19:37	T	Line tripped on SOTF
TROMBAY CARNAC - 5	IntraState	19/09/2023	13:51			HT	EMERGENCY HT due to heavy Sf6 gas leakage at cable joint at Carnac end
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	19/09/2023	19:37			HT	Hand tripped from Navsari end 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.
220/33 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 .
220/132KV 100 MVA ICT 1	IntraState	18/09/2023	09:38	18/09/2023	16:40	HT	For carrying out diagnostic testing work.
220/132 KV 100MVA ICT 2 @ BARAMATI	IntraState	18/09/2023	09:40	18/09/2023	21:00	PO	OLTC overhauling and oil leakage attending work
220/33KV 100MVA PTR 2 @ 5 STAR MIDC, KAGAL	IntraState	18/09/2023	10:00	18/09/2023	16:50	PO	for diagnostic testing, Bus 2 maintenance and quarterly maintenance work on dt. 18.09.2023
100 MVA 220/132 KV ICT - I @ JALKOT	IntraState	18/09/2023	11:05	18/09/2023	17:42	HT	For replacement of 03 nos of osr & ct diagnostic testing work.
220/132 KV 100 MVA ICT - I	IntraState	18/09/2023	12:04	18/09/2023	16:54	HT	Work of faulty hv backup/overcurrent relay replacement.
220/33kV 50MVA TF-1 @ KOPARGAON	IntraState	18/09/2023	16:50	18/09/2023	18:50	PO	For attending hotspot on LV Cable
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	18/09/2023	14:46	PO	BK2 Bay TBS GOD defect attending work

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