

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Sep/2023 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	130.836	1861.504	1) Gujrat	0.258	43.415
2) Hydro	15.101	206.595	2) Madhya Pradesh	1.255	23.571
3) Gas	3.459	75.483	3) Chattisgarh	5.100	43.220
Total MSPGCL	149.396	2143.582	4) Maharashtra	192.542	2646.215
B) 1) APLM	75.478	832.099	5) Goa (Amona)	-1.952	-24.782
2) JSWEL	28.406	357.631	Total	197.203	2731.639
3) VIPL	0.000	0.000	a) Mumbai Schedule	32.052	468.236
4) RPL(AMT)	25.654	354.176	b) Mumbai Drawl	37.376	529.221
5) SWPGPL	11.935	165.487	c) MSEDCL Bilateral *	90.733	1375.798
6) Other IPP	6.354	88.243	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	32.052	468.171
C) 1) TPCL Thermal	14.068	179.006	Include PX	0.000	0.000
2) TPCL Hydro	4.905	54.859	Standby	0.000	0.064
3) TPCL Gas	2.294	29.716	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.808	137.260	1) MSEDCL	483.300	6647.368
D) STATE			2) Mumbai Discoms	69.451	930.063
1) Thermal	303.539	3975.406	3) Other Discoms	10.141	144.810
(A1+C1+C4+(B1-B6))			TOTAL STATE	562.892	7722.241
2) Hydro (A2+C2)	20.006	261.454			
3) Gas (A3+B7+C3)	5.753	105.199			
4) Wind	26.104	487.548			
6) SOLAR	10.287	160.994			
TOTAL STATE	365.689	4990.601			

* 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 24 Hrs
MSPGCL Thermal	5573	5447	5425	5250
MSPGCL Hydro	716	881	1086	452
MSPGCL Gas	142	142	144	147
MSPGCL Total Generation	6431	6470	6655	5849
Central Sector Receipt	9951	9857	7647	6428
WIND	979	563	1300	1245
CPP / IPP Thermal	6123	6084	6168	6151
CPP / IPP Gas	0	0	0	0
SOLAR	1374	1401	0	0
Exchange with Mumbai	-2177	-2245	-1456	-1157
MSEDCL DEMAND MET	22218	21689	19834	18097
Load Shedding	0	0	0	0
MSEDCL DEMAND	22218	21689	19834	18097
TPCL GENERATION	700	718	1179	967
AEML GENERATION	462	437	449	468
MUMBAI DEMAND	3339	3400	3084	2592
OTHER DISCOM DEMAND	463	441	480	419
STATE DEMAND MET	26020	25530	23398	21108
STATE DEMAND	26020	25530	23398	21108
Frequency (Hz)	50.00	49.92	50.01	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.2 Hz at 17.02 Hrs	49.72 Hz at 14.24 Hrs	49.95	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 14/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.20	46.86	155	115
Unit 8	13.61	173.81	591	535
Unit 9	11.66	152.63	539	431
Unit 10	0.00	0.00	0	0
Total	28.47	373.30		
Bhusawal				
Unit 3	2.94	37.00	140	110
Unit 4	8.16	127.75	405	260
Unit 5	8.20	124.61	415	290
Total	19.30	289.36		
Parli				
Unit 6	5.30	62.21	236	204
Unit 7	5.16	52.44	227	194
Unit 8	3.96	56.45	194	136
Total	14.42	171.10		
Chandrapur				
Unit 3	2.75	45.38	155	35
Unit 4	2.66	15.13	124	81
Unit 5	0.00	0.00	0	0
Unit 6	7.29	85.19	360	258
Unit 7	6.46	90.19	283	237
Unit 8	9.88	132.04	456	344
Unit 9	0.00	114.86	0	0
Total	29.03	482.79		
Paras				
Unit 3	4.82	62.60	223	183
Unit 4	4.87	65.70	219	177
Total	9.69	128.30		
Khaparkheda				
Unit 1	2.24	38.24	130	0
Unit 2	1.75	24.15	81	42
Unit 3	3.32	47.68	152	130
Unit 4	3.26	45.09	144	123
Unit 5	9.29	140.77	450	251
Total	19.87	295.94		
Nasik				
Unit 3	3.46	46.00	156	137
Unit 4	3.34	43.85	145	132
Unit 5	3.25	30.86	153	123
Total	10.05	120.71		
Uran				
All Units	3.46	75.48	148	140
Total	3.46	75.48		
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)	1.01	10.22	47	38
Total	1.01	10.22		
Koyna				
Stage 1-2	3.12	40.88	340	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	5.37	65.53	720	0
Stage 3	1.79	24.98	160	0
Total	10.28	131.39		
Hydro				
KDPH	0.00	4.48	0	0
VTRNA	0.00	0.49	0	0
TILLARI	0.23	0.47	60	0
BHIRA T.R.	0.40	4.94	80	0
SMLHY_PTN	3.00	50.68	128	118
GHATGHAR	0.18	3.92	91	0
Total	3.81	64.98		
Wind				
Total	26.10	487.55	0	0
Total	26.10	487.55		
CPP				
APML(Mus)	75.48	832.10	0	0
JSWEL(Mus)	28.41	357.63	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.65	354.18	0	0
SWPGPL-Mus	11.94	165.49	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.95	79.71	259	223
Other(Mus)	0.41	8.53	0	0
Total	147.83	1797.64		
SOLAR				
Total	10.29	160.99	0	0
Total	10.29	160.99		
Tata				
Trombay 5	9.01	117.17	452	295
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.31	16.45	108	38
Trombay 7B	0.98	13.27	64	33
TATA Hydro	4.90	54.86	386	42
Trombay 8	5.06	61.84	229	163
Total	21.27	263.58		
AEML				
DTPS U-1&2	10.81	137.26	501	336
Total	10.81	137.26		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	130.84	1861.50	MSPGCL Total	149.40	2143.58
			MSPGCL Thml+Gas	134.30	1936.99	Koyna 1,2 & 4 Total	8.49	106.41
			MSPGCL Hydro	15.10	206.60	State Total	365.69	4990.60

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 14/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	5521	297	143	5961	1376	6179	0	0	6668	6694	-1210	18602	0	0	18602	2732	398	21732	50.01
2	5471	372	143	5986	1354	6142	0	0	6535	6600	-1085	18626	0	0	18626	2542	371	21539	49.98
3	5392	206	144	5742	1363	6129	0	0	7058	7039	-1288	18638	0	0	18638	2374	347	21359	49.97
4	5465	196	144	5805	1334	6166	0	0	7101	6973	-1265	18687	0	0	18687	2273	326	21286	49.97
5	5517	454	145	6116	1263	6189	0	0	7224	7372	-1270	19319	0	0	19319	2268	351	21938	49.94
6	5469	497	145	6111	1148	6169	0	0	8053	8019	-1140	19928	0	0	19928	2365	379	22672	49.94
7	5505	1195	146	6846	1087	6170	0	47	8463	8384	-1071	21062	0	3	21062	2509	401	23972	49.84
8	5567	1320	145	7032	891	6200	0	308	8689	8648	-1200	21456	0	12	21456	2613	423	24492	49.80
9	5750	993	145	6888	934	6143	0	712	9345	9249	-1819	21668	0	1	21668	2893	439	25000	49.83
10	5742	1100	143	6985	982	6169	0	1184	9200	9342	-2007	22216	0	4	22216	3161	439	25816	50.01
11	5573	716	142	6431	979	6123	0	1374	9844	9951	-2177	22218	0	0	22218	3339	463	26020	50.00
12	5489	777	142	6408	705	6085	0	1379	10207	9891	-2298	21720	0	1	21720	3432	450	25602	50.00
13	5447	881	142	6470	563	6084	0	1401	10029	9857	-2245	21689	0	2	21689	3400	441	25530	49.92
14	5410	543	140	6093	526	6156	0	1276	10021	9820	-2153	21303	0	0	21303	3282	415	25000	49.99
15	5412	464	140	6016	548	6225	0	1021	10070	9813	-2041	21161	0	0	21161	3315	421	24897	49.92
16	5398	574	144	6116	663	6233	0	808	9767	9529	-1839	21054	0	0	21054	3335	456	24845	49.98
17	5468	306	143	5917	1055	6224	0	571	9285	8770	-1707	20365	0	0	20365	3274	465	24104	50.01
18	5398	203	145	5746	1554	6164	0	200	8635	8183	-1630	19755	0	0	19755	3163	462	23380	50.04
19	5282	439	148	5869	1432	6200	0	6	8164	8019	-1507	19563	0	0	19563	3131	456	23150	49.93
20	5425	1086	144	6655	1300	6168	0	0	7947	7647	-1456	19834	0	0	19834	3084	480	23398	50.01
21	5332	534	146	6012	1251	6056	0	0	7502	7487	-1393	18949	0	0	18949	2961	464	22374	49.95
22	5237	803	147	6187	1311	6148	0	0	6797	6840	-1239	18802	0	0	18802	2750	445	21997	49.96
23	5316	696	146	6158	1240	6154	0	0	6686	6645	-1179	18587	0	0	18587	2663	431	21681	49.95
24	5250	452	147	5849	1245	6151	0	0	6578	6428	-1157	18097	0	0	18097	2592	419	21108	49.95
MUs	130.84	15.10	3.46	149.40	26.10	147.83	0.00	10.29	199.87	197.20	-37.38	483.30	0.00	0.02	483.30	69.45	10.14	562.89	49.95

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) ELR due to 220/33 kv 50mva T/F 1& 2 Overload.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Sep/2023

Position as on 6.30 Hrs of 15/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		Continued.	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.	17/09/2023
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	Chandrapur Unit 9	500	12/09/2023	16:00		Continued.	Boiler Tube Leakage	14/09/2023
MSPGCL	Uran Unit 8	108	13/09/2023	14:03		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 2	210	13/09/2023	20:17	14/09/2023	00:31	Oil Gun Failure	
MSPGCL	Khaparkheda Unit 1	210	14/09/2023	01:30	14/09/2023	03:33	Furnace Pressure High	14/09/2023
MSPGCL	Nasik Unit 3	210	15/09/2023	05:45		Continued.	Boiler Tube Leakage	18/09/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 15/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 ȲȲ phase Protection CT Of NTPP I (RPL 1)
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	09/09/2023	22:51	15/09/2023	00:28	HT	H/T For load Management.
KHADKA- DEEPNAGAR CKT 2	IntraState	14/09/2023	08:41			PO	For breaker mechanism overhauling work by agency
LONIKAND - JEJURI CKT - 1	IntraState	14/09/2023	12:18	14/09/2023	20:43	PO	DT and Half Yearly maintenance
BABHALESHWAR - PADGHE CKT- 1	IntraState	15/09/2023	00:57	15/09/2023	04:20	HT	To attend CVT oil leakage
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	15/09/2023	07:55			HT	HT for Load 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.
400/220/33 KV 315 MVA ICT - 3 @ PADGHE	IntraState	05/09/2023	09:21	14/09/2023	16:21	PO	1.Replacement of HV CB under LES Scheme.2.A & B Bus PG isolator Maintenance Work.3.ICT HV Side will be in service through TBC.
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	09/09/2023	16:45			HT	HT for Load Management
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	12/09/2023	09:38			HT	H/T for load management
VITA - MIRAJ	IntraState	14/09/2023	17:34	14/09/2023	22:45	HT	Faulty string replacement
MAIN BUS - 1 @ AAREY	IntraState	14/09/2023	23:25	15/09/2023	00:53	PO	Charging of New GIS Bay no. 16 under MERC approved AIS to GIS conversion Project.
DHARAVI - MAHALAXMI	IntraState	14/09/2023	23:45	15/09/2023	00:25	PO	CT installation on sheath bounding cable for sheath current monitoring model
TROMBAY - SALSETTE CKT - 1	IntraState	15/09/2023	02:22	15/09/2023	02:45	PO	PROJECT WORK-Test CHARGING of 220 kV Vikhroli - Salsette CKT-II cable upto Monopole -2
KHARGHAR - SONKHAR	IntraState	15/09/2023	05:14	15/09/2023	08:16	HT	To attend Hot spot
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 .
220/22KV 50MVA PTR 1 @ CHAKAN PHASE II	IntraState	14/09/2023	10:15	14/09/2023	17:33	PO	Diagnostic testing work , Annual relay testing work, oil leakage attending work Yearly maintenance.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 15/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/132 KV 100 MVA ICT 1 @ SOUTH SOLAPUR	IntraState	14/09/2023	10:40	14/09/2023	13:50	PO	Outage is required for DIAGNOSTIC TESTING OF HV & LV EQUIPMENTS, WINDING RESISTANCE MEASUREMENT TO BE DONE On Dt 14.09.2023.
220/132 KV 100 MVA ICT - 2 @ ALEPHATA	IntraState	14/09/2023	12:01	14/09/2023	19:22	PO	DIAGNOSTIC TESTING (TAN DELTA OF CT) AND GENERAL MAINTENANCE WORK
220/132 KV 100MVA ICT 2 @ SOUTH SOLAPUR	IntraState	14/09/2023	13:55	14/09/2023	16:50	PO	Outage is required for HV & LV EQUIPMENT DIAGNOSTIC TESTING WORK, ICT WINDING RESISTANCE MEASUREMENT TO BE DONE TESTING TEAM SOLAPUR On Dt 14.09.2023.
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.

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