

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Oct/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	149.861	2362.386	1) Gujrat	11.286	149.549
2) Hydro	18.737	268.141	2) Madhya Pradesh	5.524	86.252
3) Gas	6.825	85.692	3) Chattisgarh	4.880	59.130
Total MSPGCL	175.423	2716.219	4) Maharashtra	218.152	2781.029
B) 1) APMIL	74.733	916.741	5) Goa (Amona)	-1.387	-23.294
2) JSWEL	28.516	374.215	Total	238.455	3052.666
3) VIPL	0.000	0.000	a) Mumbai Schedule	33.609	518.302
4) RPL(AMT)	25.626	396.132	b) Mumbai Drawl	36.738	582.267
5) SWPGPL	6.324	121.619	c) MSEDCL Bilateral *	108.574	1265.181
6) Other IPP	8.410	70.830	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	33.609	517.343
C) 1) TPCL Thermal	13.973	207.567	Include PX	0.000	0.000
2) TPCL Hydro	3.576	71.650	Standby	0.000	0.958
3) TPCL Gas	1.699	35.338	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.092	145.677	1) MSEDCL	528.391	7283.721
D) STATE			2) Mumbai Discoms	67.078	1042.499
1) Thermal	318.535	4595.167	3) Other Discoms	9.804	153.938
(A1+C1+C4+(B1-B6))			TOTAL STATE	605.273	8480.158
2) Hydro	22.313	339.791			
(A2+C2)					
3) Gas	8.524	121.030			
(A3+B7+C3)					
4) Wind	3.553	133.076			
6) SOLAR	13.893	238.428			
TOTAL STATE	366.818	5427.492			

* 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 15 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	6320	6289	6428	5957
MSPGCL Hydro	432	333	312	1341
MSPGCL Gas	283	270	284	291
MSPGCL Total Generation	7035	6892	7024	7589
Central Sector Receipt	10979	11738	10358	8384
WIND	92	99	213	164
CPP / IPP Thermal	5813	5916	6081	6105
CPP / IPP Gas	0	0	0	0
SOLAR	2076	1423	2	0
Exchange with Mumbai	-1652	-1986	-1647	-1556
MSEDCL DEMAND MET	23922	23666	21576	20241
Load Shedding	0	0	0	0
MSEDCL DEMAND	23922	23666	21576	20241
TPCL GENERATION	663	481	922	1038
AEML GENERATION	498	496	326	462
MUMBAI DEMAND	2813	2963	2895	3056
OTHER DISCOM DEMAND	421	416	455	445
STATE DEMAND MET	27156	27045	24926	23742
STATE DEMAND	27156	27045	24926	23742
Frequency (Hz)	50.05	50.01	50.02	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.23 Hz at 06.01 Hrs	49.71 Hz at 08.05 Hrs	49.99	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 15/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.72	58.96	185	125
Unit 8	9.47	205.39	417	380
Unit 9	14.26	188.60	645	527
Unit 10	0.00	197.17	0	0
Total	27.45	650.13		
Bhusawal				
Unit 3	2.81	45.08	130	105
Unit 4	11.28	115.62	485	450
Unit 5	10.14	123.44	465	240
Total	24.22	284.14		
Parli				
Unit 6	5.57	70.21	242	183
Unit 7	5.26	70.16	241	194
Unit 8	3.58	57.82	180	0
Total	14.41	198.19		
Chandrapur				
Unit 3	2.10	35.64	100	61
Unit 4	3.56	38.87	154	142
Unit 5	0.00	34.06	0	0
Unit 6	5.95	99.19	340	0
Unit 7	7.89	99.92	351	298
Unit 8	10.59	153.42	489	297
Unit 9	11.12	155.78	479	448
Total	41.21	616.87		
Paras				
Unit 3	5.18	73.29	230	193
Unit 4	5.48	75.26	245	219
Total	10.66	148.55		
Khaparkheda				
Unit 1	3.80	53.61	180	130
Unit 2	2.94	34.38	130	114
Unit 3	3.44	45.24	181	0
Unit 4	3.99	49.62	184	140
Unit 5	11.19	158.94	475	430
Total	25.36	341.80		
Nasik				
Unit 3	0.00	31.99	0	0
Unit 4	3.58	45.95	163	142
Unit 5	2.96	44.77	129	119
Total	6.54	122.71		
Uran				
All Units	6.82	85.69	293	270
Total	6.82	85.69		
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)	0.67	13.95	46	0
Total	0.67	13.95		
Koyna				
Stage 1-2	3.85	57.09	470	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	8.69	110.31	1000	0
Stage 3	2.80	36.73	240	0
Total	15.34	204.13		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.65	0	0
TILLARI	0.18	1.92	60	0
BHIRA T.R.	0.38	4.87	80	0
SMLHY_PTN	2.17	38.65	94	85
GHATGHAR	0.00	3.97	0	0
Total	2.73	50.06		
Wind				
Total	3.55	133.08	0	0
Total	3.55	133.08		
CPP				
APML(Mus)	74.73	916.74	0	0
JSWEL(Mus)	28.52	374.22	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.63	396.13	0	0
SWPGPL-Mus	6.32	121.62	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.84	38.79	269	196
Other(Mus)	0.34	5.08	0	0
JPL	2.24	26.96	118	61
Total	143.61	1879.54		
SOLAR				
Total	13.89	238.43	0	0
Total	13.89	238.43		
Tata				
Trombay 5	9.28	138.16	452	258
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.88	19.98	44	35
Trombay 7B	0.82	15.36	39	33
TATA Hydro	3.58	71.65	331	9
Trombay 8	4.70	69.41	218	136
Total	19.25	314.56		
AEML				
DTPS U-1&2	11.09	145.68	502	326
Total	11.09	145.68		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	149.86	2362.39	MSPGCL Total	175.42	2716.22
			MSPGCL Thml+Gas	156.69	2448.08	Koyna 1,2 & 4 Total	12.54	167.40
			MSPGCL Hydro	18.74	268.14	State Total	366.82	5427.49

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/Oct/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	6199	1788	290	8277	109	6067	0	0	8735	8678	-1494	21240	0	0	21240	3052	397	24689	49.91
2	6226	1669	293	8188	133	6083	0	0	8808	8724	-1320	21441	0	0	21441	2818	367	24626	50.00
3	6344	1322	290	7956	126	6097	0	0	8782	8912	-1171	21591	0	0	21591	2615	329	24535	50.01
4	6308	782	293	7383	151	6122	0	0	9194	9140	-1089	21376	0	0	21376	2481	331	24188	50.02
5	6302	1045	290	7637	194	6114	0	0	9317	9357	-1156	21818	0	0	21818	2428	328	24574	50.01
6	6326	1445	292	8063	177	6119	0	0	9655	9568	-1072	22514	0	0	22514	2455	341	25310	50.00
7	6177	1544	292	8013	192	6112	0	55	9700	9490	-1042	22434	0	17	22434	2454	386	25274	50.03
8	6102	925	290	7317	161	6093	0	451	9913	9887	-1243	22257	0	4	22257	2433	409	25099	49.99
9	6200	585	292	7077	92	5954	0	1021	9993	9987	-1490	22218	0	43	22218	2520	423	25161	49.90
10	6318	340	285	6943	88	5677	0	1575	10438	10631	-1615	22882	0	88	22882	2677	417	25976	49.97
11	6320	432	283	7035	92	5813	0	2076	11179	10979	-1652	23922	0	11	23922	2813	421	27156	50.05
12	6239	394	278	6911	98	5454	0	2115	11439	11240	-1843	23549	0	13	23549	2896	426	26871	50.00
13	6312	511	273	7096	83	5463	0	1923	10963	11283	-1858	23579	0	3	23579	2931	411	26921	49.97
14	6311	433	272	7016	81	5813	0	1743	11078	11155	-1871	23517	0	18	23517	2883	420	26820	50.01
15	6289	333	270	6892	99	5916	0	1423	12086	11738	-1986	23666	0	27	23666	2963	416	27045	50.01
16	6303	342	275	6920	126	5991	0	968	12021	11486	-1940	23122	0	6	23122	2991	429	26542	49.96
17	6390	292	275	6957	256	6081	0	459	10716	10569	-1740	22144	0	0	22144	2903	438	25485	49.96
18	6402	259	279	6940	247	6090	0	82	9938	9702	-1556	21045	0	0	21045	2802	460	24307	50.00
19	6428	312	284	7024	213	6081	0	2	10269	10358	-1647	21576	0	0	21576	2895	455	24926	50.02
20	6371	898	280	7549	157	6081	0	0	9398	9674	-1540	21475	0	0	21475	2963	446	24884	50.04
21	6134	335	283	6752	158	6085	0	0	9467	9133	-1637	20050	0	0	20050	2964	441	23455	49.97
22	5953	414	285	6652	179	6104	0	0	9010	9194	-1521	20154	0	0	20154	2987	454	23595	50.00
23	5957	1341	291	7589	164	6105	0	0	8261	8384	-1556	20241	0	0	20241	3056	445	23742	49.99
24	5950	996	290	7236	177	6094	0	0	9195	9186	-1699	20581	0	0	20581	3098	413	24092	49.97
MUs	149.86	18.74	6.82	175.42	3.55	143.61	0.00	13.89	239.55	238.46	-36.74	528.39	0.00	0.23	528.39	67.08	9.80	605.27	49.99

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) LTS stage 1 operated due to overloading of 220kv jejuri line.
- 2) 132kv satara rod MIDC line overloaded.
- 3) ELR carried out due to 132kv BBLR rahuri line overload conductor ceasing capp 520Amp/105 MW at-132kv rahuri substation.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 15/Oct/2023

Position as on 6.30 Hrs of 16/Oct/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.	18/10/2023
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	SWPGPL U-4	135	29/09/2023	00:03		Continued.	Turbine Bearing no.4 temperature high	20/10/2023
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
MSPGCL	Nasik Unit 3	210	10/10/2023	23:55	16/10/2023	00:47	ESP Hoppers & restoration of ESP Filters	17/10/2023
IPP	SWPGPL U-3	135	10/10/2023	23:56		Continued.	Electrostatic precipitator problem	19/10/2023
MSPGCL	Chandrapur Unit 5	500	11/10/2023	08:12		Continued.	Turbine Vibration High.	27/10/2023
IPP	RPL(AMT) U-2	270	12/10/2023	07:59		Continued.	Tripped Due to Electrical protection opted.	19/10/2023
MSPGCL	Koradi Unit-10	660	14/10/2023	22:19		Continued.	Boiler Tube Leakage	17/10/2023
MSPGCL	Khaparkheda Unit 3	210	15/10/2023	06:20	15/10/2023	09:12	Furnace Pressure High	
MSPGCL	Chandrapur Unit 6	500	15/10/2023	19:53		Continued.	DUE TO SUSPECTED BTL AT BOILER 57 MTRS ELEVATION 1ST PASS LEFT SIDE.	18/10/2023
MSPGCL	Parli Unit 8	250	15/10/2023	21:01	16/10/2023	01:51	Furnace Pressure High	16/10/2023
MSPGCL	Parli Unit 7	250	16/10/2023	04:00		Continued.	Boiler Tube Leakage	19/10/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 16/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
AKOLA II - EKTUNI CKT - 2	IntraState	15/10/2023	07:17	15/10/2023	10:05	T	Tripped of Buchholz
400 KV MAINBAY Outages/Trippings							
MAIN BAY - 418 OF IEPL @ KORADI-2	IntraState	29/09/2023	10:42			PO	1)Diagnostic testing of Circuit breaker 418-Q52. 2) Routine Maintenance work of Bay 418.
400 KV LR Outages/Trippings							
400KV KORADI-BHUSAWAL (Koradi end)	IntraState	16/10/2023	06:41			PO	Routine Maint. Work
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 2Y2 phase Protection CT Of NTPP I (RPL 1)
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVar bus reactor by new 125 MVar bus reactor.
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/10/2023	08:04			HT	H/T for load management.
DHULE- - BABLESHWAR CKT - 2	IntraState	15/10/2023	13:53	15/10/2023	14:37	T	Tripped on distance protection from BBLR end only
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.
400/220/33KV 500 MVA ICT - 1 @ KUDUS	IntraState	15/10/2023	11:13	15/10/2023	14:43	PO	Outage required for work on 400/220/33 kV ICT-1 R phase unit (testing and commissioning of HV bushing).
400/220/33 KV 315 MVA ICT - 1 @ LONIKAND	IntraState	15/10/2023	12:28	15/10/2023	22:17	PO	Replacement of faulty pump of Y ph unit
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	06/10/2023	07:37			HT	Kept Handtripped from padghe end for load managemenet
GHODBUNDER - MSETCL BOISAR	IntraState	15/10/2023	04:17	15/10/2023	19:16	PO	Replacement of old hardware at critical locations
GHODBUNDER - MSETCL BOISAR	IntraState	15/10/2023	04:17	15/10/2023	19:16	PO	Stringing of AAAC Conductor in the span between existing Loc Tower no. 159 & new Tower Loc no. 159A and in the span between existing Loc no.162 and new tower Loc no. 161A in r/o line shifting/ height raising for NHAI under ORC work.
BORIVALI - BOISAR II LINE	IntraState	15/10/2023	04:46	15/10/2023	19:06	PO	Stringing of AAAC Conductor in the span between existing Loc Tower no. 159 & new Tower Loc no. 159A and in the span between existing Loc no.162 and new tower Loc no. 161A in r/o line shifting/ height raising for NHAI under ORC work.
BORIVALI - BOISAR II LINE	IntraState	15/10/2023	04:46	15/10/2023	19:06	PO	Replacement of old hardware at critical locations.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 16/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
CHINCHWAD- PARVATI	IntraState	15/10/2023	08:51	15/10/2023	19:25	PO	Cross Arm Erection Loc 18 (2nos) 2.Stringing paying out & Final Sag (Loc.17A to 18)Bottom Section 3.Conductor Paying out & Final Sag (Loc.no.18 to 19&16 to 17 Bottom Section.4.De Stringning of conductor from Loc.17 to -bottom section 5.Tower Dismantelling tower loc no.17 and 18
FLAGSHIP-CHINCHWAD	IntraState	15/10/2023	08:51	15/10/2023	19:26	PO	Cross Arm Erection Loc 18 (2nos) 2.Stringing paying out & Final Sag (Loc.17A to 18)Bottom Section 3.Conductor Paying out & Final Sag (Loc.no.18 to 19&16 to 17 Bottom Section.4.De Stringning of conductor from Loc.17 to -bottom section 5.Tower Dismantelling tower loc no.17 and 18
APTA - KALWA	IntraState	15/10/2023	09:20			PO	CB POLE overhauling work by keeping the line on TBC.
ONI KHAREPATAN LINE	IntraState	15/10/2023	10:54			PO	Replacement of Auxiliary Switch, Closing coil & Tripping coil each, variable resistor of 220kV Oni-Kharepatan line CB
AAREY - MSETCL BORIVALI CKT - 1	IntraState	15/10/2023	11:33	15/10/2023	13:18	T	Tripped on differential protection
PEDAMBE-KALAMBANI(TSS)	IntraState	15/10/2023	17:22	15/10/2023	23:15	T	Tripped on distance protection
MAHAD-KALAMBANI(TSS)	IntraState	15/10/2023	17:22			T	Tripped on distance protection
KANDALGAON - KOYNA (POPHALI)	IntraState	15/10/2023	17:22	15/10/2023	19:00	T	Tripped on distance protection in Zone 2
TALANDGE - HAMIDWADA	IntraState	16/10/2023	06:17			PO	Insulator cleaning work & attending 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.
220/100 KV 200 MVA ICT 1 @ BORIVALI	IntraState	12/10/2023	10:19			PO	For replacement of various EHV equipments under LE Scheme. The old EHV equipments are to be replaced under LE Scheme whose details are as given below - 1. 220 kV Circuit Breaker - 1 No. 2. 220 kV Lightning Arrestors - 3 Nos. 3. 100 kV Potential Transformers - 6 Nos. 4. 100 kV Isolators - 9 Nos. Also the Anti Corrosive Painting of ICT-1 will be carried out in this outage.
220/132 KV 200 MVA ICT 1 @ KAULEWADA	IntraState	15/10/2023	09:15	15/10/2023	16:04	PO	Replacement of Y ph CT (LV side) having high Tan Delta values.
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.

