

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Oct/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	153.209	3375.795	1) Gujrat	4.261	199.099
2) Hydro	5.789	371.216	2) Madhya Pradesh	6.776	144.395
3) Gas	5.177	131.277	3) Chattisgarh	7.160	103.390
Total MSPGCL	164.175	3878.288	4) Maharashtra	246.834	4531.774
B) 1) APLM	66.512	1404.467	5) Goa (Amona)	-1.678	-36.209
2) JSWEL	26.416	572.317	Total	263.353	4942.449
3) VIPL	0.000	0.000	a) Mumbai Schedule	41.168	810.812
4) RPL(AMT)	25.575	573.795	b) Mumbai Drawl	43.622	901.543
5) SWPGPL	6.317	165.983	c) MSEDCL Bilateral *	135.819	2220.182
6) Other IPP	8.204	126.476	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	41.168	809.584
C) 1) TPCL Thermal	10.635	295.313	Include PX	0.000	0.000
2) TPCL Hydro	1.333	101.300	Standby	0.000	1.229
3) TPCL Gas	1.566	46.469	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.884	220.917	1) MSEDCL	529.312	11042.478
D) STATE			2) Mumbai Discoms	67.040	1565.542
1) Thermal	306.752	6735.063	3) Other Discoms	10.104	227.208
(A1+C1+C4+(B1-B6))			TOTAL STATE	606.456	12835.228
2) Hydro (A2+C2)	7.122	472.516			
3) Gas (A3+B7+C3)	6.743	177.746			
4) Wind	7.146	168.984			
6) SOLAR	15.340	338.470			
TOTAL STATE	343.103	7892.779			

* 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	6513	6373	6274	6231
MSPGCL Hydro	387	357	345	297
MSPGCL Gas	278	139	143	146
MSPGCL Total Generation	7178	6869	6762	6674
Central Sector Receipt	11365	11758	10988	10251
WIND	233	179	284	290
CPP / IPP Thermal	5338	5272	5997	5399
CPP / IPP Gas	0	0	0	0
SOLAR	2038	1706	4	0
Exchange with Mumbai	-1719	-1920	-1639	-2094
MSEDCL DEMAND MET	23994	23424	21935	20081
Load Shedding	0	0	0	0
MSEDCL DEMAND	23994	23424	21935	20081
TPCL GENERATION	608	601	854	531
AEML GENERATION	475	451	493	335
MUMBAI DEMAND	2802	2972	2986	2960
OTHER DISCOM DEMAND	439	439	461	439
STATE DEMAND MET	27235	26836	25382	23480
STATE DEMAND	27235	26836	25382	23480
Frequency (Hz)	50.02	50.03	50.04	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.21 Hz at 13:28 Hrs	49.79 Hz at 07:35 Hrs	50	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 22/Oct/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.18	88.69	185	165
Unit 8	0.00	209.26	0	0
Unit 9	13.96	292.00	659	518
Unit 10	13.94	229.46	625	520
Total	32.07	819.40		
Bhusawal				
Unit 3	2.78	63.92	125	110
Unit 4	9.31	184.85	410	350
Unit 5	10.54	195.36	460	415
Total	22.63	444.14		
Parli				
Unit 6	4.77	106.90	232	154
Unit 7	4.96	93.52	241	169
Unit 8	4.80	91.24	223	170
Total	14.53	291.65		
Chandrapur				
Unit 3	3.03	54.62	152	85
Unit 4	3.57	62.99	153	145
Unit 5	0.00	34.06	0	0
Unit 6	8.60	144.66	415	208
Unit 7	8.15	153.15	369	280
Unit 8	10.60	228.94	485	415
Unit 9	8.56	229.88	406	331
Total	42.52	908.30		
Paras				
Unit 3	4.90	108.75	214	187
Unit 4	4.46	111.92	221	112
Total	9.36	220.67		
Khaparkheda				
Unit 1	3.51	79.74	160	125
Unit 2	2.64	50.20	124	90
Unit 3	3.86	73.23	172	144
Unit 4	3.95	76.74	174	151
Unit 5	11.00	235.40	470	439
Total	24.96	515.32		
Nasik				
Unit 3	0.17	38.11	101	0
Unit 4	3.67	71.51	159	144
Unit 5	3.30	66.70	145	133
Total	7.14	176.31		
Uran				
All Units	5.18	131.28	292	137
Total	5.18	131.28		
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)	0.44	17.29	46	0
Total	0.44	17.29		
Koyna				
Stage 1-2	2.75	80.45	310	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.12	153.70	66	0
Stage 3	0.44	51.55	108	0
Total	3.31	285.70		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.65	0	0
TILLARI	0.00	2.79	0	0
BHIRA T.R.	0.20	6.77	43	0
SMLHY_PTN	1.83	53.38	83	71
GHATGHAR	0.00	4.65	0	0
Total	2.03	68.23		
Wind				
Total	7.15	168.98	0	0
Total	7.15	168.98		
CPP				
APML(Mus)	66.51	1404.47	0	0
JSWEL(Mus)	26.42	572.32	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.58	573.80	0	0
SWPGPL-Mus	6.32	165.98	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.06	79.56	265	238
Other(Mus)	0.75	8.87	0	0
JPL	1.40	38.04	117	0
Total	133.02	2843.04		
SOLAR				
Total	15.34	338.47	0	0
Total	15.34	338.47		
Tata				
Trombay 5	7.00	196.22	405	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.82	25.97	34	34
Trombay 7B	0.75	20.50	32	30
TATA Hydro	1.33	101.30	200	13
Trombay 8	3.63	99.09	219	130
Total	13.53	443.08		
AEML				
DTPS U-1&2	9.88	220.92	498	335
Total	9.88	220.92		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	153.21	3375.80	MSPGCL Total	164.18	3878.29
			MSPGCL Thml+Gas	158.39	3507.07	Koyna 1,2 & 4 Total	2.87	234.15
			MSPGCL Hydro	5.79	371.22	State Total	343.10	7892.78

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/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	6632	272	288	7192	368	5873	0	0	10236	10238	-2125	21138	0	14	21138	2981	408	24527	49.99
2	6546	225	289	7060	338	5806	0	0	10503	10189	-1928	21089	0	13	21089	2837	376	24302	49.97
3	6427	117	289	6833	355	5898	0	0	10448	10372	-1785	21328	0	9	21328	2643	344	24316	49.96
4	6381	121	289	6791	403	5899	0	0	10457	10330	-1667	21413	0	6	21413	2512	343	24268	49.98
5	6430	137	292	6859	425	5914	0	0	10645	10538	-1578	21808	0	9	21808	2440	350	24598	49.98
6	6427	332	292	7051	471	5880	0	0	11224	11234	-1606	22667	0	38	22667	2439	363	25469	50.01
7	6518	160	292	6970	550	5900	0	74	11489	11111	-1560	22640	0	16	22640	2412	405	25457	50.03
8	6552	295	289	7136	399	5128	0	487	10666	10755	-1523	21957	0	3	21957	2410	426	24792	49.98
9	6486	333	289	7108	373	5092	0	1096	10320	10446	-1537	22129	0	1	22129	2502	449	25080	49.90
10	6445	223	285	6953	369	4898	0	1675	10985	11402	-1720	23142	0	10	23142	2646	435	26223	49.96
11	6513	387	278	7178	233	5338	0	2038	11051	11365	-1719	23994	0	27	23994	2802	439	27235	50.02
12	6501	117	275	6893	178	5460	0	2195	11549	11174	-1817	23641	0	140	23641	2866	442	26949	50.04
13	6361	117	168	6646	167	4905	0	2169	11543	11524	-1800	23169	0	39	23169	2890	442	26501	50.01
14	6297	142	137	6576	168	4753	0	2069	11738	11946	-1869	23215	0	6	23215	2855	428	26498	50.04
15	6373	357	139	6869	179	5272	0	1706	12426	11758	-1920	23424	0	103	23424	2972	439	26836	50.03
16	6294	275	137	6706	170	5277	0	1151	12524	12160	-1778	23233	0	56	23233	3061	453	26747	49.99
17	6223	196	141	6560	221	5289	0	567	12155	12048	-1876	22358	0	8	22358	2954	452	25763	49.96
18	6307	192	141	6640	252	5825	0	109	11387	10982	-1863	21504	0	18	21504	2849	441	24794	50.00
19	6274	345	143	6762	284	5997	0	4	11094	10988	-1639	21935	0	0	21935	2986	461	25382	50.04
20	6268	290	143	6701	209	5745	0	0	11672	11510	-1960	21761	0	0	21761	3025	445	25230	50.05
21	6253	331	143	6727	211	5691	0	0	10505	10411	-2081	20503	0	0	20503	3001	456	23960	50.00
22	6236	393	146	6775	175	5877	0	0	10034	10111	-2048	20427	0	0	20427	2969	462	23859	50.00
23	6231	297	146	6674	290	5399	0	0	10244	10251	-2094	20081	0	0	20081	2960	439	23480	50.00
24	6234	135	146	6515	358	5907	0	0	10618	10510	-2129	20755	0	0	20755	3028	406	24189	49.99
MUs	153.21	5.79	5.18	164.17	7.15	133.02	0.00	15.34	265.51	263.35	-43.62	529.31	0.00	0.51	529.31	67.04	10.10	606.46	50.00

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)Due to tripped of 400KV PGCIL 1&2 line & taken emergency load shedding.2)Due to overloading of jejuri-Ionand line.3)Sangamner-BBLR line overload & 400kv BBLR ICT overload.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 22/Oct/2023

Position as on 6.30 Hrs of 23/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.	15/02/2024
MSPGCL	Koyana Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	PGPL U1	262	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	25/10/2023
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
IPP	SWPGPL U-3	135	10/10/2023	23:56		Continued.	Electrostatic precipitator problem	26/10/2023
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.	20/11/2023
MSPGCL	Koradi Unit 8	660	16/10/2023	10:40		Continued.	Boiler Tube Leakage	25/10/2023
MSPGCL	Nasik Unit 3	210	17/10/2023	21:16	22/10/2023	21:28	Heavy Hunting in CVSM	22/10/2023
MSPGCL	Uran Unit 8	108	22/10/2023	12:17		Continued.	Gas shortage	
IPP	JPL Unit 1	150	22/10/2023	12:28		Continued.	Boiler Feed Pump Problem	23/10/2023
MSPGCL	Bhusawal Unit 4	500	23/10/2023	02:52		Continued.	PA Fan problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 23/Oct/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							
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 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.
BABHALESHWAR - PADGHE CKT - 2	IntraState	22/10/2023	10:40	22/10/2023	12:32	PO	Routine Line maintenance and Insulator cleaning 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.
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 managment
TROMBAY SALSETTE LINE-2	IntraState	21/10/2023	23:02	22/10/2023	09:32	PO	PROJECT WORK-LILO AT KVPTL AT VIKHROLI
URSE-CHINCHWAD	IntraState	21/10/2023	23:02	22/10/2023	01:01	PO	Replacement of disc insulator string found weak/priority in PID testing of CT gantry R & Y ph pilot string.
BOISAR II - TARAPUR	IntraState	22/10/2023	08:59	22/10/2023	16:47	PO	Replacement of old hardware at critical location
BORIVALI - BOISAR (PG)	IntraState	22/10/2023	09:20	22/10/2023	13:08	PO	Replacement of old hardware at critical location.
BUS SECTION - 1 @ TROMBAY	IntraState	22/10/2023	13:23	22/10/2023	23:45	PO	1) R-ph CB pole replacement work of 220KV Trombay-Chembur-3 line due to high CRM value 2) Diagnostic testing work of equipment of Chembur-3 line
BOISAR II - BOISAR (PG) CKT - 3	IntraState	22/10/2023	14:19	22/10/2023	14:48	HT	H/T for emergency outage
BOISAR II - BOISAR (PG) CKT - 2	IntraState	22/10/2023	14:28	22/10/2023	14:47	T	Tripped on overcurrent
GHODBUNDER - MSETCL BOISAR	IntraState	22/10/2023	14:28	22/10/2023	15:53	T	Tripped on distance protection
BOISAR II - BOISAR (PG) CKT - 1	IntraState	22/10/2023	14:28	22/10/2023	15:47	T	Tripped on line fault
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.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Oct/2023

Statement-VII

Position as on 6.30 Hrs of 23/Oct/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 3 @ BABHLESHWAR	IntraState	22/10/2023	18:12	22/10/2023	19:25	PO	To Attend Hot spot t on HV side Rph Bushing Jump Clamp (93.20 deg celcius)
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.

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