

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Jan/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	150.852	3313.197	1) Gujrat	-2.639	-113.120
2) Hydro	11.758	302.803	2) Madhya Pradesh	3.434	67.123
3) Gas	4.288	114.823	3) Chattisgarh	4.980	126.440
Total MSPGCL	166.898	3730.823	4) Maharashtra	162.552	4016.706
B) 1) APLM	66.588	1289.210	5) Goa (Amona)	-1.721	-34.483
2) JSWEL	19.522	449.601	Total	166.606	4062.666
3) VIPL	0.000	0.000	a) Mumbai Schedule	23.332	517.929
4) RPL(AMT)	24.323	571.506	b) Mumbai Drawl	27.239	607.324
5) SWPGPL	9.797	196.709	c) MSEDCL Bilateral *	68.399	1625.742
6) Other IPP	48.265	1071.331	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	23.330	517.268
C) 1) TPCL Thermal	4.111	208.891	Include PX	0.000	0.000
2) TPCL Hydro	5.271	90.143	Standby	0.002	0.661
3) TPCL Gas	1.951	54.594	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.541	210.221	1) MSEDCL	486.640	11007.725
D) STATE			2) Mumbai Discoms	48.112	1171.169
1) Thermal	332.999	7310.666	3) Other Discoms	9.847	221.910
(A1+C1+C4+(B1-B6))			TOTAL STATE	544.599	12400.804
2) Hydro (A2+C2)	17.029	392.946			
3) Gas (A3+B7+C3)	6.239	169.417			
4) Wind	8.633	171.964			
6) SOLAR	13.094	293.149			
TOTAL STATE	377.994	8338.142			

* 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 19 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	6790	6751	6853	5382
MSPGCL Hydro	1192	469	451	198
MSPGCL Gas	231	231	97	235
MSPGCL Total Generation	8213	7451	7401	5815
Central Sector Receipt	8076	8071	6528	5831
WIND	306	154	178	458
CPP / IPP Thermal	7738	7342	7682	6000
CPP / IPP Gas	0	0	0	0
SOLAR	1646	1961	3	0
Exchange with Mumbai	-1410	-1466	-1144	-873
MSEDCL DEMAND MET	24128	23069	20210	16889
Load Shedding	0	0	0	0
MSEDCL DEMAND	24128	23069	20210	16889
TPCL GENERATION	629	507	689	229
AEML GENERATION	502	492	498	290
MUMBAI DEMAND	2541	2465	2331	1392
OTHER DISCOM DEMAND	441	444	438	342
STATE DEMAND MET	27110	25978	22979	18623
STATE DEMAND	27110	25978	22979	18623
Frequency (Hz)	49.98	50.04	50.01	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.49 Hz at 17.03 Hrs	49.82 Hz at 14.13 Hrs	50.03	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 23/Jan/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.28	96.73	205	155
Unit 7	0.00	0.00	0	0
Unit 8	12.70	306.83	555	417
Unit 9	12.59	202.06	550	455
Unit 10	12.90	295.70	555	500
Total	42.47	901.31		
Bhusawal				
Unit 3	3.28	49.61	165	115
Unit 4	9.34	228.93	480	280
Unit 5	9.03	181.64	470	275
Total	21.66	460.18		
Parli				
Unit 6	4.52	93.74	238	150
Unit 7	0.00	13.70	0	0
Unit 8	3.88	61.81	207	142
Total	8.40	169.25		
Chandrapur				
Unit 3	0.00	70.52	0	0
Unit 4	2.84	58.92	125	113
Unit 5	6.93	147.02	300	275
Unit 6	8.39	158.60	430	285
Unit 7	0.00	0.00	0	0
Unit 8	9.69	243.77	483	276
Unit 9	10.62	248.47	500	340
Total	38.47	927.30		
Paras				
Unit 3	4.86	107.75	226	162
Unit 4	5.69	100.86	245	230
Total	10.55	208.60		
Khaparkheda				
Unit 1	3.05	63.97	140	115
Unit 2	3.03	63.65	142	114
Unit 3	3.73	79.66	181	128
Unit 4	3.70	71.11	182	125
Unit 5	9.16	217.52	455	280
Total	22.67	495.91		
Nasik				
Unit 3	3.33	25.35	176	112
Unit 4	3.31	77.30	163	119
Unit 5	0.00	47.98	0	0
Total	6.64	150.63		
Uran				
All Units	4.29	114.82	239	97
Total	4.29	114.82		
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)	0.03	7.97	21	0
Total	0.03	7.97		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.52	85.52	440	35
Stage 4	3.01	97.64	755	0
Stage 3	1.06	39.45	320	0
Total	6.58	222.61		
Hydro				
KDPH	0.86	7.45	36	36
VTRNA	0.47	2.09	59	0
TILLARI	0.34	5.22	58	0
BHIRA T.R.	0.32	5.14	80	0
SMLHY_PTN	2.52	37.37	108	101
GHATGHAR	0.63	14.95	125	0
Total	5.14	72.22		
Wind				
Total	8.63	171.96	0	0
Total	8.63	171.96		
CPP				
APML(Mus)	66.59	1289.21	0	0
JSWEL(Mus)	19.52	449.60	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.32	571.51	0	0
SWPGPL-Mus	9.80	196.71	0	0
Other(Mus)	48.26	1071.33	0	0
Total	168.50	3578.36		
SOLAR				
Total	13.09	293.15	0	0
Total	13.09	293.15		
Tata				
Trombay 5	0.00	128.60	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.04	31.08	54	35
Trombay 7B	0.91	23.51	44	33
TATA Hydro	5.27	90.14	425	7
Trombay 8	4.11	80.29	224	86
Total	11.33	353.63		
AEML				
DTPS U-1&2	9.54	210.22	502	290
Total	9.54	210.22		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	150.85	3313.20	MSPGCL Total	166.90	3730.82
			MSPGCL Thml+Gas	155.14	3428.02	Koyna 1,2 & 4 Total	5.53	183.16
			MSPGCL Hydro	11.76	302.80	State Total	377.99	8338.14

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Jan/2023

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	5349	307	232	5888	491	5977	0	0	6196	6049	-971	17061	0	17061	1510	373	18944	50.06
2	5382	198	235	5815	458	6000	0	0	6363	5831	-873	16889	0	16889	1392	342	18623	50.01
3	5435	194	235	5864	493	5983	0	0	6456	6081	-798	17293	0	17293	1335	330	18958	50.04
4	5463	203	236	5902	539	6027	0	0	6421	6344	-762	17724	0	17724	1299	326	19349	50.04
5	5617	184	239	6040	627	6308	0	0	6310	6732	-786	18579	0	18579	1328	342	20249	50.03
6	5776	181	237	6194	720	6655	0	0	6886	7231	-941	19492	0	19492	1498	367	21357	50.07
7	6608	229	235	7072	650	7249	0	4	6338	6675	-1007	20239	0	20239	1726	404	22369	50.05
8	6768	804	235	7807	512	7418	0	154	6322	6721	-1046	21157	0	21157	1922	409	23488	49.99
9	6830	1635	234	8699	402	7601	0	636	6437	6746	-1180	22471	0	22471	2210	433	25114	50.00
10	6812	1904	233	8949	323	7616	0	1198	6824	7058	-1211	23488	0	23488	2436	445	26369	49.99
11	6790	1192	231	8213	306	7738	0	1646	8074	8076	-1410	24128	0	24128	2541	441	27110	49.98
12	6592	564	233	7389	199	7358	0	1876	8452	8717	-1512	23578	0	23578	2541	449	26568	49.99
13	6751	469	231	7451	154	7342	0	1961	7993	8071	-1466	23069	0	23069	2465	444	25978	50.04
14	6431	478	231	7140	130	6989	0	1869	8137	7963	-1349	22307	0	22307	2317	435	25059	50.11
15	6590	288	130	7008	141	7102	0	1657	8226	8278	-1355	22391	0	22391	2313	440	25144	49.94
16	6479	294	97	6870	150	7234	0	1268	8319	8528	-1238	22383	0	22383	2309	429	25121	49.97
17	6581	250	97	6928	187	7355	0	631	7878	7753	-1153	21259	0	21259	2303	442	24004	50.04
18	6660	217	98	6975	178	7657	0	191	6834	6874	-1111	20321	0	20321	2292	443	23056	50.14
19	6853	451	97	7401	178	7682	0	3	6332	6528	-1144	20210	0	20210	2331	438	22979	50.01
20	6916	589	98	7603	198	7706	0	0	6427	6080	-1146	19986	0	19986	2307	455	22748	50.07
21	6521	217	98	6836	265	7515	0	0	6106	5779	-1219	18732	0	18732	2179	444	21355	50.04
22	6325	187	99	6611	384	7009	0	0	6355	5833	-1223	18194	0	18194	2020	420	20634	50.03
23	5818	322	99	6239	396	6746	0	0	6497	6313	-1243	18042	0	18042	1857	409	20308	49.98
24	5505	401	98	6004	552	6228	0	0	6596	6345	-1095	17647	0	17647	1682	387	19716	50.00
MUs	150.85	11.76	4.29	166.90	8.63	168.50	0.00	13.09	166.78	166.61	-27.24	486.64	0.00	486.64	48.11	9.85	544.60	50.03

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Jan/2023

Position as on 6.30 Hrs of 24/Jan/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna STG-IV Unit-1	250	02/12/2022	18:20		Continued.	Annual Overhaul	01/02/2023
MSPGCL	Parli Unit 7	250	03/01/2023	22:16		Continued.	Annual Overhaul	31/01/2023
TPC-G	Trombay 5	500	18/01/2023	01:10		Continued.	Annual Overhaul	15/02/2023
MSPGCL	Koyna Unit 5	80	23/01/2023	08:35	23/01/2023	20:15	Maintenance work	23/01/2023
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.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	07/02/2023
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.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	28/02/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	30/05/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 7	500	29/11/2022	09:30		Continued.	DUE TO MAIN TURBINE GLAND SEALING PRESSURE HIGH.	31/01/2023
MSPGCL	Nasik Unit 5	210	15/01/2023	21:18		Continued.	ID Fan Problem	24/01/2023
IPP	RPL(AMT) U-2	270	21/01/2023	00:00		Continued.	For Boiler License Renewal work.	24/01/2023
MSPGCL	Chandrapur Unit 3	210	21/01/2023	20:15		Continued.	Boiler Tube Leakage	24/01/2023
IPP	RPL(AMT) U-5	270	23/01/2023	07:31	23/01/2023	10:12	Turbine Overspeed Protection Operated.	
MSPGCL	Uran Unit 8	108	23/01/2023	14:18		Continued.	Gas shortage	
MSPGCL	Uran Unit B0	120	23/01/2023	14:18		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 3	210	24/01/2023	04:24	24/01/2023	07:48	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 23/Jan/2023

Statement-VII

Position as on 6.30 Hrs of 24/Jan/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV TIEBAY Outages/Tripping							
TIE BAY (708) of KORADI - 3 CKT - 2 & EKTUNI CKT - 2 @ AKOLA 2	IntraState	23/01/2023	10:12	23/01/2023	16:48	PO	OEM Inspection of CB
765 KV LINE Outages/Tripping							
TIRORA - KORADI 3 CKT - 1	IntraState	23/01/2023	09:50	23/01/2023	22:16	PO	Annual Maintenance of line
400 KV LINE Outages/Tripping							
TALANDGE - KOLHAPUR (PG) CKT - 1	InterState	28/11/2022	10:12			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. Same is approved by Ministry of Power (MOP) vide their office memorandum dt 01.12.2021 . AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS-2.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	16/01/2023	11:34			HT	For load management
PARLI-SOLAPUR (LAMBOTI)	IntraState	23/01/2023	09:53	23/01/2023	17:58	EO	In PID testing at loc no-11 & 12 string found faulty also at loc no-105 earthwire suspension string clamp has bend.
LONIKAND - JEJURI CKT - 1	IntraState	23/01/2023	12:46			PO	PID Testing work & O/H & Serviceing of 29B PG Isolator & Replacement of PGI mechanism box. Line will be shifted on TBC
LONIKAND - JEJURI CKT - 1	IntraState	23/01/2023	15:02	23/01/2023	17:23	HT	H/T TO CONTROL 400KV TALEGAON -CHAKAN LINE LOADING
400 KV ICT Outages/Tripping							
STATION TF No 5 @ CHANDRAPUR GCR	IntraState	21/01/2023	10:14	23/01/2023	20:21	PO	Oil Filtration work. Attending oil leakages. Testing of Transformer.
400/220 KV 3X105 MVA ICT - 1 @ KHARGHAR	IntraState	23/01/2023	07:56			PO	400kv CB mechanism Overhauling work ICT-1 will be in service Via 400kv TBC
400/220/33 KV 500 MVA ICT - 1 @ KOLHAPUR	IntraState	23/01/2023	08:32	23/01/2023	20:32	PO	C bus PG isolator overhauling work.
400/132 KV 200 MVA ICT - 2 @ KHADKA	IntraState	23/01/2023	09:06			PO	For CB Mechanism O/H work by Agency
400/220/33 KV 500 MVA ICT - 3 @ PARLI	IntraState	23/01/2023	10:31	23/01/2023	16:15	PO	(1)HV backup relay & IV CT testing work. (2) Bay maintenance work.
400/220kv 500MVA ICT-2 @ TAPTITANDA	IntraState	23/01/2023	11:37	23/01/2023	20:33	PO	1) ICT-2 Diagnostic testing Work. 2) ICT-2 R ph OLTC Oil Filtration Work Due to Low BDV and High PPM Values (External agency for oil filtration to be arrange). 3) Quarterly Maintenance Work.
400 KV BUSBAR Outages/Tripping							
400KV BUS BAR PROTECTION SCHEME @ 400KV AKOLA	IntraState	23/01/2023	09:38	23/01/2023	21:13	PO	ICT-III Project work :- 1) 400 KV Bus bar relay integration 2) Relay testing 3) Connecting of jumpers of ICT-03 bay and removal of exiting jumper 4) Charging of New ICT-03 bay 419 with allied activity
220 KV LINE Outages/Tripping							
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	18/12/2022	22:52			HT	To control overloading
VANKUSWADE - KDPH	IntraState	07/01/2023	10:46			PO	For Erection & Stringing of In line Multi Circuit tower (Loc No.1 to 7) of new 220kv Karad-Koyana Line and Re stringing of existing 220kv D/C KDPH LILO line.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jan/2023

Statement-VII

Position as on 6.30 Hrs of 24/Jan/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	17/01/2023	10:16			PO	Erection and Stringing of 8nos of monopole, out of which of 6nos of In-line monopole loc.no.118, 118A,119A,122, 123, 123A.
EKLAHARE (GCR) - GHATGHAR	IntraState	17/01/2023	10:37			PO	Erection and Stringing of 8nos of monopole, out of which of 6nos of In-line monopole loc.no.118, 118A,119A,122, 123, 123A.
TROMBAY - KALWA	IntraState	18/01/2023	13:07			EO	For attending SF6 gas leakage in main CB of 220KV Trombay Bay by shifting the 220KV Kalwa-Trombay line on TBC.
NEW KOYNA - NIWALI	IntraState	19/01/2023	10:05	23/01/2023	13:28	PO	Circuit Breaker overhauling work
MAHALAXMI - AMONA	IntraState	23/01/2023	02:07	23/01/2023	02:28	T	Distance Protection
TALANDGE - MUDSHINGI CKT - 1	IntraState	23/01/2023	09:10	23/01/2023	15:28	PO	To attend hot spot observed in Thermoscanning at T.L no. Guid-1 (Y ph) , M/C-16 (R ph), M/C-21 (Y-ph) , M/C-3 (Y ph.), D/C-7 (Bph).
VSNL - STT GIS CKT - 2	IntraState	23/01/2023	09:36	23/01/2023	19:42	PO	Metering CT Replacement activity at 220 KV STT GIS end
MALEGAON-SATANA	IntraState	23/01/2023	09:39	23/01/2023	18:27	HT	OUTAGE AVAILED FOR COLD LINE WASHING
TALANDGE - ICHALKARANJI 2	IntraState	23/01/2023	09:44	23/01/2023	19:42	PO	For replacement of faulty insulator string found critical in P.I.D & Tightening of cut point jumperings.
ALKUD - MENDHEGIRI CKT - 1	IntraState	23/01/2023	10:15	23/01/2023	15:34	PO	Annual Testing & Maintenance work to be carried out by M/S. Suzlon
MUDSHINGI - CHIKODI	IntraState	23/01/2023	11:02	23/01/2023	17:05	EO	To attend hot spot observed in themoscanning at tower loc. M/C-21, B ph jump connection. Hot spot temperature 126 degree.
220 KV JALNA - THAPTITANDA CKT - I	IntraState	23/01/2023	11:21	23/01/2023	20:36	HT	In view of ICT 2 outage.
NAGOTHANE - MSL	IntraState	23/01/2023	12:11	23/01/2023	18:29	PO	CT cable replacement work
TALANDGE - MUDSHINGI CKT - 2	IntraState	23/01/2023	15:32	23/01/2023	21:25	PO	Quarterly maintenance work & Replacement of R-ph CT
TALANDGE - MUDSHINGI CKT - 2	IntraState	23/01/2023	15:32	23/01/2023	21:25	PO	For disc insulator string cleaning by chemical method at tower Lo. No. 13 to 21 nos. and lilo 12 to 17.
ALKUD - MENDHEGIRI CKT - 2	IntraState	23/01/2023	15:45	23/01/2023	18:52	PO	Yearly testing & maintenance work to be carried out by M/S. Suzlon
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.
220/132KV 100MVA PTR 1 @ KHAREPATAN	IntraState	22/09/2022	16:35			T	ICT bursted
220 / 110 / 22kv 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT
220/100 KV 200 MVA ICT 4 @ APTA	IntraState	16/01/2023	09:26	23/01/2023	20:04	PO	Bushing Gasket Replacement work & Schedule maintenance work.
220/33KV 50MVA PTR 1 @ 5 STAR MIDC, KAGAL	IntraState	23/01/2023	02:40	23/01/2023	18:42	PO	Transformer oil filtration work .

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jan/2023

Statement-VII

Position as on 6.30 Hrs of 24/Jan/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/33-33KV 100MVA TF- 2 @ ICHALKARANJI - II	IntraState	23/01/2023	09:07	23/01/2023	16:18	PO	1)Quarterly bay maintenance work of TF Hv and LV bays 2) Hot spot attending
220/22 KV 50 MVA PTR 1 @ PAL- DOMBIVALI	IntraState	23/01/2023	10:43	23/01/2023	14:30	PO	LV Bay conductor Epoxy coating work.
220 KV BUSBAR Outages/Trippings							
MAIN BUS - 1 @ STT-GIS	IntraState	23/01/2023	09:48	23/01/2023	20:32	PO	Metering CT Replacement activity at 220 KV STT GIS end

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