

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 01/Jan/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	150.083	150.083	1) Gujrat	-4.783	-4.783
2) Hydro	7.275	7.275	2) Madhya Pradesh	3.152	3.152
3) Gas	3.678	3.678	3) Chattisgarh	6.250	6.250
Total MSPGCL	161.036	161.036	4) Maharashtra	176.210	176.210
B) 1) APLM	36.162	36.162	5) Goa (Amona)	-1.093	-1.093
2) JSWEL	18.476	18.476	Total	179.736	179.736
3) VIPL	0.000	0.000	a) Mumbai Schedule	19.435	19.435
4) RPL(AMT)	21.117	21.117	b) Mumbai Drawl	22.659	22.659
5) SWPGPL	8.241	8.241	c) MSEDCL Bilateral *	78.852	78.852
6) Other IPP	45.314	45.314	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	19.435	19.435
C) 1) TPCL Thermal	9.585	9.585	Include PX	0.000	0.000
2) TPCL Hydro	1.670	1.670	Standby	0.000	0.000
3) TPCL Gas	2.060	2.060	H) ENERGY CATERED (MUs)		
4) AEML Thermal	7.310	7.310	1) MSEDCL	455.057	455.057
D) STATE			2) Mumbai Discoms	43.284	43.284
1) Thermal	296.288	296.288	3) Other Discoms	9.185	9.185
(A1+C1+C4+(B1-B6))			TOTAL STATE	507.526	507.526
2) Hydro	8.945	8.945			
(A2+C2)					
3) Gas	5.738	5.738			
(A3+B7+C3)					
4) Wind	3.745	3.745			
6) SOLAR	13.074	13.074			
TOTAL STATE	327.790	327.790			

* 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 24 Hrs
MSPGCL Thermal	6809	6524	6653	5102
MSPGCL Hydro	1409	193	327	186
MSPGCL Gas	135	131	142	178
MSPGCL Total Generation	8353	6848	7122	5466
Central Sector Receipt	8148	8755	6400	6552
WIND	93	111	206	311
CPP / IPP Thermal	6055	5517	5982	4903
CPP / IPP Gas	0	0	0	0
SOLAR	1685	1934	1	0
Exchange with Mumbai	-1102	-1196	-950	-932
MSEDCL DEMAND MET	22832	21582	18339	15929
Load Shedding	0	0	0	0
MSEDCL DEMAND	22832	21582	18339	15929
TPCL GENERATION	607	503	692	495
AEML GENERATION	285	303	337	312
MUMBAI DEMAND	1994	2002	1979	1739
OTHER DISCOM DEMAND	400	387	422	371
STATE DEMAND MET	25226	23971	20740	18039
STATE DEMAND	25226	23971	20740	18039
Frequency (Hz)	50.09	49.96	50.03	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.3 Hz at 16.06 Hrs	49.66 Hz at 20.12 Hrs	50.01	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 01/Jan/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	5.08	5.08	220	205
Unit 7	0.00	0.00	0	0
Unit 8	12.76	12.76	581	482
Unit 9	10.08	10.08	537	0
Unit 10	13.28	13.28	593	530
Total	41.21	41.21		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.88	9.88	495	280
Unit 5	9.67	9.67	490	275
Total	19.56	19.56		
Parli				
Unit 6	4.26	4.26	234	143
Unit 7	4.35	4.35	245	144
Unit 8	3.62	3.62	169	142
Total	12.23	12.23		
Chandrapur				
Unit 3	3.28	3.28	166	122
Unit 4	2.90	2.90	136	111
Unit 5	7.10	7.10	310	285
Unit 6	8.26	8.26	410	280
Unit 7	0.00	0.00	0	0
Unit 8	10.39	10.39	483	285
Unit 9	10.74	10.74	492	315
Total	42.69	42.69		
Paras				
Unit 3	5.11	5.11	236	156
Unit 4	0.00	0.00	0	0
Total	5.11	5.11		
Khaparkheda				
Unit 1	2.88	2.88	135	110
Unit 2	3.00	3.00	140	112
Unit 3	3.68	3.68	183	130
Unit 4	3.11	3.11	145	121
Unit 5	10.54	10.54	490	285
Total	23.21	23.21		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.08	3.08	152	113
Unit 5	3.00	3.00	142	114
Total	6.08	6.08		
Uran				
All Units	3.68	3.68	230	131
Total	3.68	3.68		
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)	0.50	0.50	41	0
Total	0.50	0.50		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.27	2.27	460	40
Stage 4	0.71	0.71	631	0
Stage 3	0.46	0.46	114	0
Total	3.44	3.44		
Hydro				
KDPH	0.86	0.86	36	36
VTRNA	0.00	0.00	0	0
TILLARI	0.72	0.72	58	0
BHIRA T.R.	0.18	0.18	40	0
SMLHY_PTN	1.10	1.10	49	39
GHATGHAR	0.46	0.46	125	0
Total	3.34	3.34		
Wind				
Total	3.74	3.74	0	0
Total	3.74	3.74		
CPP				
APML(Mus)	36.16	36.16	0	0
JSWEL(Mus)	18.48	18.48	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	21.12	21.12	0	0
SWPGPL-Mus	8.24	8.24	0	0
Other(Mus)	45.31	45.31	0	0
Total	129.31	129.31		
SOLAR				
Total	13.07	13.07	0	0
Total	13.07	13.07		
Tata				
Trombay 5	6.43	6.43	270	267
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.13	1.13	50	45
Trombay 7B	0.93	0.93	40	36
TATA Hydro	1.67	1.67	212	5
Trombay 8	3.15	3.15	134	129
Total	13.32	13.32		
AEML				
DTPS U-1&2	7.31	7.31	342	285
Total	7.31	7.31		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	150.08	150.08	MSPGCL Total	161.04	161.04
			MSPGCL Thml+Gas	153.76	153.76	Koyna 1,2 & 4 Total	2.98	2.98
			MSPGCL Hydro	7.28	7.28	State Total	327.79	327.79

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	5728	147	143	6018	147	4818	0	0	7421	7220	-914	16930	0	16930	1720	359	19009	49.92
2	5928	176	143	6247	148	4791	0	0	7304	7316	-831	17330	0	17330	1649	341	19320	50.00
3	5919	173	144	6236	134	4754	0	0	7695	7261	-766	17281	0	17281	1574	338	19193	50.03
4	5653	175	143	5971	144	4724	0	0	7923	7664	-705	17467	0	17467	1520	331	19318	50.06
5	5775	175	140	6090	123	4894	0	0	8003	8005	-701	18092	0	18092	1504	319	19915	49.94
6	6165	186	142	6493	151	4926	0	0	7987	8122	-767	18580	0	18580	1569	345	20494	50.00
7	6868	126	140	7134	148	5456	0	10	7489	7652	-782	19255	0	19255	1616	363	21234	50.04
8	6892	299	138	7329	113	5742	0	181	7403	7441	-747	19676	0	19676	1667	383	21726	50.02
9	6864	503	137	7504	98	5985	0	713	7162	7255	-866	20293	0	20293	1787	396	22476	50.07
10	6807	720	137	7664	80	6112	0	1312	7514	7714	-996	21488	0	21488	1894	398	23780	50.05
11	6809	1409	135	8353	93	6055	0	1685	8083	8148	-1102	22832	0	22832	1994	400	25226	50.09
12	6723	441	133	7297	95	5813	0	1901	8931	8638	-1169	22194	0	22194	2015	381	24590	50.05
13	6524	193	131	6848	111	5517	0	1934	8822	8755	-1196	21582	0	21582	2002	387	23971	49.96
14	6461	161	132	6754	108	5373	0	1871	8517	8631	-1133	21218	0	21218	1928	386	23532	49.97
15	6488	168	134	6790	120	5382	0	1591	8439	8408	-1065	20842	0	20842	1858	384	23084	50.05
16	6399	163	136	6698	122	5379	0	1212	8549	8738	-1028	20723	0	20723	1822	398	22943	50.06
17	6676	163	135	6974	115	5746	0	555	7620	7371	-903	19442	0	19442	1798	416	21656	50.04
18	6686	264	135	7085	149	5813	0	108	6716	6529	-852	18402	0	18402	1835	430	20667	50.06
19	6653	327	142	7122	206	5982	0	1	6359	6400	-950	18339	0	18339	1979	422	20740	50.03
20	6607	325	194	7126	234	6142	0	0	6165	5985	-993	18059	0	18059	2032	435	20526	49.95
21	5890	234	230	6354	212	5189	0	0	6454	6474	-1112	16698	0	16698	2003	419	19120	49.84
22	5406	224	228	5858	292	4912	0	0	6676	6747	-1119	16284	0	16284	1942	406	18632	50.00
23	5060	337	228	5625	291	4902	0	0	6644	6710	-1030	16120	0	16120	1837	378	18335	50.01
24	5102	186	178	5466	311	4903	0	0	6691	6552	-932	15929	0	15929	1739	371	18039	50.00
MUs	150.08	7.28	3.68	161.04	3.74	129.31	0.00	13.07	180.57	179.74	-22.66	455.06	0.00	455.06	43.28	9.18	507.53	50.01

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 01/Jan/2023

Position as on 6.30 Hrs of 02/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
IPP	Adani U-5	660	10/12/2022	23:56		Continued.	COH activities.	10/01/2023
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.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	07/01/2023
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	
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.	03/01/2023
MSPGCL	Nasik Unit 3	210	07/12/2022	21:25		Continued.	Boiler Tube Leakage. Unit on tolling from 22:00Hrs Dtd 09.12.2022	
MSPGCL	Uran Unit 6	108	20/12/2022	17:00	01/01/2023	18:43	Gas shortage	
IPP	RPL(AMT) U-3	270	25/12/2022	17:45		Continued.	Bottom Ash evacuation problem	02/01/2023
IPP	SWPGPL U-4	135	28/12/2022	00:00		Continued.	BOTTOM ASH EVACUATION PROBLEM	03/01/2023
IPP	Adani U-4	660	28/12/2022	12:46	02/01/2023	00:56	APH-B gear box abnormal sound.	01/01/2023
MSPGCL	Paras Unit 4	250	30/12/2022	22:09		Continued.	Boiler Tube Leakage	02/01/2023
MSPGCL	Bhusawal Unit 3	210	31/12/2022	09:43		Continued.	Boiler Tube Leakage	03/01/2023
MSPGCL	Uran Unit 8	108	01/01/2023	23:55		Continued.	for filter replacement of GT-8	
MSPGCL	Uran Unit B0	120	01/01/2023	23:56		Continued.	for filter replacement of GT-8	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2023

Statement-VII

Position as on 6.30 Hrs of 02/Jan/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							
400KV MAIN BAY 413 OF SPARE BAY @ CHANDRAPUR 2	InterState	23/06/2022	20:33			EO	for requirement of trip coil material from 400 kv spare bay 413 CB and utilise it in 400 kv Warora Ckt 2 CB 425
400 KV LINE Outages/Trippings							
KOLHAPUR - 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	08/11/2022	07:32			HT	For Load Management
JAIGAD - KARAD CKT - 2	IntraState	31/12/2022	22:13	01/01/2023	09:13	HT	H/T to Control Over Voltage.
KHADKA-AURANGABAD (WALUJ)	IntraState	01/01/2023	20:57	02/01/2023	06:42	HT	To control overvoltage
JAIGAD - KARAD CKT - 1	IntraState	01/01/2023	21:47			HT	H/T FOR O/V
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	18/12/2022	22:52			HT	To control overloading
EKLAHARE (OCR) - PADGHE	IntraState	19/12/2022	18:12			HT	HT for Load Management
LAMBOTI - KARKAMB	IntraState	29/12/2022	12:26			PO	Outage is required For replacement of old Tower at Loc no. 432 & 436 by new B+6 type tower due to low ground clearance along with necessary stringing work.
LAMBOTI - PANDHARPUR	IntraState	29/12/2022	12:42			PO	Outage is required for replacement of old Tower at Loc no. 432 & 436 by new B+6 type tower due to low ground clearance along with necessary stringing work.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	01/01/2023	07:51	01/01/2023	19:13	PO	For destringing of line diverted on 4 nos. of ERS tower between loc no. 379 to 381 and normalise the Ckt.
BABLESHWAR- ALEPHATA CKT - 1	IntraState	01/01/2023	08:55	01/01/2023	18:17	PO	220 KvBabhaleshwarAlephataCktfor line For cold line washing of DISC insulators string&replacement of the damaged conductor
MALEGAON-SATANA	IntraState	01/01/2023	10:36	01/01/2023	17:07	HT	Load management
BUS - 2 @ TROMBAY	IntraState	01/01/2023	11:17	01/01/2023	15:44	PO	CVT TESTING AT TROMBAY
WARDHA (PG) - BADNERA	IntraState	01/01/2023	14:00	01/01/2023	20:56	T	R phase stub bus string of 220 kV PGCIL bay broken resulting in Bus 2 fault
SADAWAGHAPUR KARAD CKT 2	IntraState	01/01/2023	14:19	01/01/2023	17:26	T	AR successful at Karad end , tripped at Sadawaghapur end
SADAWAGHAPUR KARAD CKT 1	IntraState	01/01/2023	14:19			T	Y ph CT burst at Sadawaghapur end
BAPGAON - KALWA	IntraState	02/01/2023	03:47			T	TRIPPED ON DISTANCE PROTECTION
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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2023

Statement-VII

Position as on 6.30 Hrs of 02/Jan/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220 / 110 / 22kV 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT

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