

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Dec/2022 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	151.268	4772.293	1) Gujrat	-2.525	-180.614
2) Hydro	12.428	373.205	2) Madhya Pradesh	5.752	60.599
3) Gas	3.250	126.083	3) Chattisgarh	6.060	167.210
Total MSPGCL	166.946	5271.581	4) Maharashtra	179.904	5416.408
B) 1) APLM	39.897	1781.450	5) Goa (Amona)	-1.215	-39.838
2) JSWEL	22.222	422.359	Total	187.976	5423.765
3) VIPL	0.000	0.000	a) Mumbai Schedule	22.565	845.002
4) RPL(AMT)	23.621	855.783	b) Mumbai Drawl	26.148	981.590
5) SWPGPL	8.702	260.859	c) MSEDCL Bilateral *	81.393	2288.060
6) Other IPP	45.983	1371.894	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	22.565	844.498
C) 1) TPCL Thermal	10.557	344.214	Include PX	0.000	0.000
2) TPCL Hydro	3.669	117.342	Standby	0.000	0.504
3) TPCL Gas	1.970	48.381	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.600	300.396	1) MSEDCL	476.823	14738.257
D) STATE			2) Mumbai Discoms	50.944	1791.926
1) Thermal	310.850	10109.248	3) Other Discoms	9.578	292.510
(A1+C1+C4+(B1-B6))			TOTAL STATE	537.345	16822.693
2) Hydro	16.097	490.547			
3) Gas	5.220	174.464			
4) Wind	4.233	271.351			
6) SOLAR	12.969	353.315			
TOTAL STATE	349.369	11398.925			

* 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	6508	6501	6847	5872
MSPGCL Hydro	1625	221	534	132
MSPGCL Gas	134	131	131	140
MSPGCL Total Generation	8267	6853	7512	6144
Central Sector Receipt	8661	9338	6681	6922
WIND	74	109	263	188
CPP / IPP Thermal	6593	5995	6586	4858
CPP / IPP Gas	0	0	0	0
SOLAR	1665	1899	2	0
Exchange with Mumbai	-1309	-1358	-1037	-1017
MSEDCL DEMAND MET	23518	22417	19555	16698
Load Shedding	0	0	0	0
MSEDCL DEMAND	23518	22417	19555	16698
TPCL GENERATION	779	751	966	516
AEML GENERATION	492	479	423	297
MUMBAI DEMAND	2580	2588	2426	1830
OTHER DISCOM DEMAND	432	419	453	397
STATE DEMAND MET	26531	25424	22433	18925
STATE DEMAND	26531	25424	22433	18925
Frequency (Hz)	50.07	50.01	50.04	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.38 Hz at 06.49 Hrs	49.72 Hz at 09.19 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 31/Dec/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	5.21	155.02	220	210
Unit 7	0.00	0.00	0	0
Unit 8	14.40	404.54	640	549
Unit 9	13.32	400.62	608	479
Unit 10	13.45	388.77	595	530
Total	46.39	1348.95		
Bhusawal				
Unit 3	1.28	32.45	165	0
Unit 4	10.53	317.19	490	285
Unit 5	10.37	315.74	485	280
Total	22.18	665.38		
Parli				
Unit 6	4.55	137.91	228	145
Unit 7	4.69	140.64	248	140
Unit 8	3.59	105.93	159	142
Total	12.83	384.48		
Chandrapur				
Unit 3	3.08	102.35	150	100
Unit 4	3.07	95.86	138	116
Unit 5	6.98	204.35	305	265
Unit 6	1.63	233.81	295	0
Unit 7	0.00	0.00	0	0
Unit 8	11.68	281.84	499	453
Unit 9	7.26	314.77	472	0
Total	33.69	1232.98		
Paras				
Unit 3	5.05	138.97	229	169
Unit 4	0.00	140.03	0	0
Total	5.05	279.00		
Khaparkheda				
Unit 1	3.00	86.34	140	100
Unit 2	3.13	86.68	143	112
Unit 3	3.91	110.44	185	134
Unit 4	3.26	100.82	143	108
Unit 5	11.23	284.30	495	296
Total	24.53	668.57		
Nasik				
Unit 3	0.00	23.31	0	0
Unit 4	3.40	98.41	158	116
Unit 5	3.20	71.23	148	116
Total	6.60	192.94		
Uran				
All Units	3.25	126.08	141	130
Total	3.25	126.08		
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)	0.49	6.33	44	0
Total	0.49	6.33		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	3.12	112.46	395	40
Stage 4	4.16	115.08	752	0
Stage 3	1.73	49.32	314	0
Total	9.01	276.87		
Hydro				
KDPH	0.86	10.30	36	36
VTRNA	0.00	0.00	0	0
TILLARI	0.33	14.52	58	0
BHIRA T.R.	0.20	6.60	40	0
SMLHY_PTN	1.08	40.18	50	40
GHATGHAR	0.45	18.41	125	0
Total	2.93	90.00		
Wind				
Total	4.23	271.35	0	0
Total	4.23	271.35		
CPP				
APML(Mus)	39.90	1781.45	0	0
JSWEL(Mus)	22.22	422.36	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	23.62	855.78	0	0
SWPGPL-Mus	8.70	260.86	0	0
Other(Mus)	45.98	1371.89	0	0
Total	140.42	4692.34		
SOLAR				
Total	12.97	353.32	0	0
Total	12.97	353.32		
Tata				
Trombay 5	6.97	226.03	377	266
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.08	27.06	49	40
Trombay 7B	0.89	21.32	40	34
TATA Hydro	3.67	117.34	398	8
Trombay 8	3.59	118.19	204	131
Total	16.20	509.94		
AEMIL				
DTPS U-1&2	8.60	300.40	501	294
Total	8.60	300.40		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	151.27	4772.29	MSPGCL Total	166.95	5271.58
			MSPGCL Thml+Gas	154.52	4898.38	Koyna 1,2 & 4 Total	7.28	227.55
			MSPGCL Hydro	12.43	373.20	State Total	349.37	11398.92

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Dec/2022

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 DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	5477	226	138	5841	261	5138	0	0	7678	8029	-1034	17856	0	17856	1853	378	20088	50.00
2	5724	185	138	6047	195	5275	0	0	7721	7851	-924	18113	0	18113	1722	331	20166	49.99
3	5771	125	139	6035	184	5193	0	0	8003	8059	-844	18306	0	18306	1632	322	20259	49.98
4	5770	122	139	6031	163	5198	0	0	8058	7915	-782	18237	0	18237	1569	288	20094	49.98
5	5847	133	141	6121	172	5427	0	0	8154	8114	-797	18719	0	18719	1577	318	20614	50.01
6	6118	326	140	6584	198	5771	0	0	8013	7916	-860	19261	0	19261	1678	348	21287	49.98
7	6202	735	138	7075	219	6228	0	1	7904	7660	-892	19939	0	19939	1766	352	22057	50.07
8	6292	1402	138	7832	233	6531	0	161	7463	7438	-843	20948	0	20948	1887	404	23239	50.06
9	6479	1292	136	7907	122	6562	0	683	7373	7420	-911	21344	0	21344	2113	439	23896	49.99
10	6563	1498	135	8196	76	6580	0	1307	7503	7726	-1084	22374	0	22374	2393	427	25194	49.89
11	6508	1625	134	8267	74	6593	0	1665	8326	8661	-1309	23518	0	23518	2580	432	26531	50.07
12	6546	766	133	7445	83	6400	0	1928	9024	9315	-1420	23344	0	23344	2633	407	26384	50.03
13	6501	221	131	6853	109	5995	0	1899	9103	9338	-1358	22417	0	22417	2588	419	25424	50.01
14	6463	333	131	6927	118	5619	0	1852	9136	9488	-1453	22127	0	22127	2435	424	24986	50.05
15	6596	408	130	7134	142	5642	0	1601	9304	9401	-1468	22014	0	22014	2416	438	24868	49.98
16	6592	290	132	7014	185	5985	0	1177	9213	9253	-1430	21733	0	21733	2400	452	24584	50.00
17	6658	500	130	7288	188	6466	0	594	7980	7817	-1306	20609	0	20609	2370	438	23417	49.98
18	6708	680	130	7518	232	6563	0	99	7073	6764	-1067	19663	0	19663	2345	446	22454	49.92
19	6847	534	131	7512	263	6586	0	2	6773	6681	-1037	19555	0	19555	2426	453	22433	50.04
20	6934	340	136	7410	249	6457	0	0	6642	6413	-1001	19096	0	19096	2411	432	21939	50.01
21	6496	201	136	6833	214	5428	0	0	6659	6551	-1123	17480	0	17480	2264	423	20167	50.02
22	6184	178	136	6498	184	5075	0	0	6569	6641	-1105	16877	0	16877	2110	416	19403	50.04
23	6120	176	138	6434	181	4854	0	0	6841	6603	-1083	16595	0	16595	1946	394	18935	49.98
24	5872	132	140	6144	188	4858	0	0	7156	6922	-1017	16698	0	16698	1830	397	18925	49.96
MUs	151.27	12.43	3.25	166.95	4.23	140.42	0.00	12.97	187.67	187.98	-26.15	476.82	0.00	476.82	50.94	9.58	537.34	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.

State Load Despatch Center, Airoli (MSETCL) Statement-VI

Details of Generating Unit Outages/Trippings for 31/Dec/2022

Position as on 6.30 Hrs of 01/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 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	07/01/2023
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		Continued.	APH-B gear box abnormal sound.	01/01/2023
MSPGCL	Chandrapur Unit 9	500	30/12/2022	07:51	31/12/2022	04:30	Heavy steam leakage at turbine side	
MSPGCL	Paras Unit 4	250	30/12/2022	22:09		Continued.	Boiler Tube Leakage	02/01/2023
MSPGCL	Chandrapur Unit 6	500	30/12/2022	23:31	31/12/2022	17:35	Flame Failure	01/01/2023
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 31/Dec/2022

Statement-VII

Position as on 6.30 Hrs of 01/Jan/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							
BUS - 1 @ TIRODA	IntraState	30/12/2022	11:38	31/12/2022	00:56	PO	Tan delta measurement of Bus CVT & Bus isolator maintenance work
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		Continued.	HT	To control overvoltage
JAIGAD - KARAD CKT - 1	IntraState	01/01/2023	21:47			HT	H/T FOR O/V
400 KV ICT Outages/Trippings							
400/220/33 KV 315MVA ICT - 3 @ KHADKA	IntraState	31/12/2022	09:26	31/12/2022	16:39	PO	For 400KV Breaker pnumatic system & compressor overhauling work by agency
400/220/33 KV 501MVA ICT - 4 @ BABHALESHWAR	IntraState	31/12/2022	13:09	31/12/2022	15:18	T	Tripped on Yph OSR
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.
TROMBAY - SALSETTE CKT - 1	IntraState	30/12/2022	23:38	31/12/2022	07:24	PO	For KVPTL project work.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	31/12/2022	03:36	31/12/2022	08:55	HT	For outage of Nasik-BBLR ckt1
EKLAHARA(GCR)(NASIK)-BABLESHWAR 1	IntraState	31/12/2022	03:40	31/12/2022	08:48	PO	1. To attend the damaged jump at loc.no.13 R-phase. 2. conversion of single jump to twin jump at loc.no.13& 54.
GHODBUNDER - MSETCL BOISAR	IntraState	31/12/2022	08:58	31/12/2022	17:37	EO	For safety purpose during attending damaged conductor of 220KV Boisar-Borivali Line as both are on same M/C tower.
ONI KHAREPATAN LINE	IntraState	31/12/2022	09:03	31/12/2022	16:23	PO	Cold washing of Line insulators.
BORIVALI - BOISAR II LINE	IntraState	31/12/2022	09:07	31/12/2022	17:43	EO	To attend damaged conductor of R-Phase by fixing repair sleeve.
WAGHIVALI - DHARAVI 7	IntraState	31/12/2022	12:02	31/12/2022	12:43	EO	removing hanging object

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2022

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
BABLESHWAR- ALEPHATA CKT - 1	IntraState	31/12/2022	13:09	31/12/2022	15:27	T	LTS stage 1 operated at 400 KV Babbleshwar
BABHALESHWAR - UTECH SUGAR	IntraState	31/12/2022	13:09	31/12/2022	13:38	T	LTS stage 1 operated at 400 KV Babbleshwar
URAN - APTA 2	IntraState	31/12/2022	13:11	31/12/2022	14:58	EO	Secondary CT Oil leakage arresting 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
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
220/22 KV 25 MVA PTR 1 @ WASHALA	IntraState	31/12/2022	10:40	31/12/2022	17:20	PO	198 KV LA Replacement work & LV Bus Bar Epoxy coating work.

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