

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 25/Dec/2022 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	163.032	3816.868	1) Gujrat	-5.249	-156.131
2) Hydro	8.011	271.020	2) Madhya Pradesh	1.486	37.417
3) Gas	3.347	106.542	3) Chattisgarh	4.470	132.970
Total MSPGCL	174.390	4194.430	4) Maharashtra	166.972	4312.130
B) 1) APLM	50.020	1541.638	5) Goa (Amona)	-0.854	-31.465
2) JSWEL	13.064	318.066	Total	166.825	4294.921
3) VIPL	0.000	0.000	a) Mumbai Schedule	17.089	708.937
4) RPL(AMT)	23.806	707.607	b) Mumbai Drawl	22.906	821.890
5) SWPGPL	9.051	210.849	c) MSEDCL Bilateral *	71.102	1816.313
6) Other IPP	44.428	1104.066	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	17.089	708.433
C) 1) TPCL Thermal	9.984	275.210	Include PX	0.000	0.000
2) TPCL Hydro	1.611	95.207	Standby	0.000	0.504
3) TPCL Gas	1.815	37.682	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.138	245.867	1) MSEDCL	468.431	11834.763
D) STATE			2) Mumbai Discoms	44.455	1475.858
1) Thermal	321.523	8220.171	3) Other Discoms	9.073	234.577
(A1+C1+C4+(B1-B6))			TOTAL STATE	521.959	13545.198
2) Hydro (A2+C2)	9.622	366.227			
3) Gas (A3+B7+C3)	5.162	144.224			
4) Wind	6.780	239.980			
6) SOLAR	12.046	279.673			
TOTAL STATE	355.133	9250.275			

* 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	7146	7149	7053	6004
MSPGCL Hydro	1224	188	695	161
MSPGCL Gas	139	133	140	141
MSPGCL Total Generation	8509	7470	7888	6306
Central Sector Receipt	7662	7959	6469	6172
WIND	192	140	90	407
CPP / IPP Thermal	6429	6442	6169	5024
CPP / IPP Gas	0	0	0	0
SOLAR	1601	1914	5	0
Exchange with Mumbai	-1040	-1095	-960	-995
MSEDCL DEMAND MET	22965	22450	19244	16545
Load Shedding	0	0	0	0
MSEDCL DEMAND	22965	22450	19244	16545
TPCL GENERATION	621	583	774	477
AEML GENERATION	419	413	346	291
MUMBAI DEMAND	2080	2091	2080	1763
OTHER DISCOM DEMAND	388	380	417	369
STATE DEMAND MET	25433	24921	21741	18677
STATE DEMAND	25433	24921	21741	18677
Frequency (Hz)	49.92	49.99	50.11	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.44 Hz at 04:36 Hrs	49.41 Hz at 09:08 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 25/Dec/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.70	124.76	215	175
Unit 7	0.00	0.00	0	0
Unit 8	14.25	320.95	637	560
Unit 9	12.33	324.54	583	448
Unit 10	13.29	322.25	586	500
Total	44.57	1092.50		
Bhusawal				
Unit 3	0.00	16.54	0	0
Unit 4	10.56	252.50	495	285
Unit 5	10.19	254.53	495	280
Total	20.74	523.56		
Parli				
Unit 6	4.47	109.36	230	147
Unit 7	4.74	112.02	248	140
Unit 8	3.86	85.70	180	145
Total	13.07	307.08		
Chandrapur				
Unit 3	3.24	82.78	160	85
Unit 4	3.05	77.24	146	111
Unit 5	7.14	161.45	315	275
Unit 6	8.48	190.04	405	284
Unit 7	0.00	0.00	0	0
Unit 8	11.44	214.52	503	342
Unit 9	11.41	259.23	500	346
Total	44.75	985.26		
Paras				
Unit 3	5.07	111.16	226	197
Unit 4	5.44	115.46	235	215
Total	10.50	226.62		
Khaparkheda				
Unit 1	2.74	68.70	125	100
Unit 2	2.52	70.07	134	88
Unit 3	3.78	87.17	182	131
Unit 4	3.12	81.75	144	121
Unit 5	11.03	218.49	480	421
Total	23.18	526.18		
Nasik				
Unit 3	0.00	23.31	0	0
Unit 4	3.19	79.22	152	106
Unit 5	3.02	53.13	151	101
Total	6.21	155.66		
Uran				
All Units	3.35	106.54	143	133
Total	3.35	106.54		
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)	0.24	4.02	43	0
Total	0.24	4.02		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.76	84.43	530	40
Stage 4	1.19	75.44	420	0
Stage 3	1.16	34.98	160	0
Total	5.11	194.85		
Hydro				
KDPH	0.43	7.06	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.64	12.66	58	0
BHIRA T.R.	0.12	5.43	40	0
SMLHY_PTN	1.11	33.24	47	45
GHATGHAR	0.36	13.77	125	0
Total	2.65	72.16		
Wind				
Total	6.78	239.98	0	0
Total	6.78	239.98		
CPP				
APML(Mus)	50.02	1541.64	0	0
JSWEL(Mus)	13.06	318.07	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	23.81	707.61	0	0
SWPGPL-Mus	9.05	210.85	0	0
Other(Mus)	44.43	1104.07	0	0
Total	140.37	3882.23		
SOLAR				
Total	12.05	279.67	0	0
Total	12.05	279.67		
Tata				
Trombay 5	6.42	180.68	286	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.99	21.14	46	38
Trombay 7B	0.83	16.54	39	32
TATA Hydro	1.61	95.21	233	3
Trombay 8	3.57	94.53	197	131
Total	13.41	408.10		
AEMIL				
DTPS U-1&2	8.14	245.87	419	287
Total	8.14	245.87		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	163.03	3816.87	MSPGCL Total	174.39	4194.43
			MSPGCL Thml+Gas	166.38	3923.41	Koyna 1,2 & 4 Total	3.95	159.87
			MSPGCL Hydro	8.01	271.02	State Total	355.13	9250.28

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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 DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	6316	162	141	6619	285	5276	0	0	6824	6516	-945	17380	0	17380	1724	371	19475	50.04
2	6443	163	142	6748	342	5259	0	0	6645	6396	-829	17581	0	17581	1623	335	19539	50.06
3	6369	163	141	6673	417	5273	0	0	6713	6466	-756	17741	0	17741	1553	332	19626	50.02
4	6269	162	142	6573	416	5234	0	0	6804	6579	-700	17802	0	17802	1502	300	19604	49.98
5	6431	177	142	6750	469	5276	0	0	6798	6846	-700	18328	0	18328	1507	313	20148	49.95
6	6895	114	142	7151	497	5601	0	0	6721	6893	-770	19038	0	19038	1575	334	20947	50.01
7	7150	183	142	7475	399	5924	0	4	6926	6944	-813	19557	0	19557	1638	376	21571	50.19
8	7155	728	143	8026	534	6228	0	159	6375	6662	-720	20485	0	20485	1703	404	22592	50.05
9	7221	457	141	7819	470	6499	0	674	6556	6615	-907	20765	0	20765	1865	405	23035	49.62
10	7141	794	140	8075	339	6412	0	1211	7019	6977	-1047	21569	0	21569	2000	398	23967	49.58
11	7146	1224	139	8509	192	6429	0	1601	7500	7662	-1040	22965	0	22965	2080	388	25433	49.92
12	7072	407	139	7618	158	6371	0	1811	8364	8477	-1128	22927	0	22927	2117	380	25424	50.04
13	7149	188	133	7470	140	6442	0	1914	8041	7959	-1095	22450	0	22450	2091	380	24921	49.99
14	6858	104	134	7096	203	6095	0	1644	8089	8272	-1105	21827	0	21827	2003	378	24208	50.24
15	6795	108	134	7037	180	5886	0	1482	8413	8609	-1052	21764	0	21764	1926	378	24068	50.05
16	7061	129	133	7323	144	6230	0	1013	8169	7993	-1015	21283	0	21283	1891	405	23579	49.99
17	7085	418	135	7638	140	6431	0	460	6959	6695	-885	20082	0	20082	1902	397	22381	50.15
18	7052	593	137	7782	104	6404	0	68	6279	6179	-842	19282	0	19282	1938	413	21633	50.24
19	7053	695	140	7888	90	6169	0	5	6337	6469	-960	19244	0	19244	2080	417	21741	50.11
20	6934	366	141	7441	74	6078	0	0	6403	6487	-1076	18606	0	18606	2088	398	21092	50.06
21	6770	180	142	7092	170	5638	0	0	6306	6296	-1242	17558	0	17558	2045	396	19999	50.03
22	6447	172	143	6762	273	5214	0	0	6288	6219	-1197	16859	0	16859	1974	412	19245	49.97
23	6216	162	140	6518	337	4976	0	0	6392	6443	-1087	16794	0	16794	1866	393	19053	49.99
24	6004	161	141	6306	407	5024	0	0	6343	6172	-995	16545	0	16545	1763	369	18677	50.02
MUs	163.03	8.01	3.35	174.39	6.78	140.37	0.00	12.05	167.26	166.83	-22.91	468.43	0.00	468.43	44.45	9.07	521.96	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 25/Dec/2022

Position as on 6.30 Hrs of 26/Dec/2022

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	JSW (J) U2	300	10/12/2022	15:51	25/12/2022	23:11	NO SCHEDULE	
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	30/12/2022
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	26/12/2022
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	
IPP	JSW (J) U1	300	11/10/2022	02:40		Continued.	Zero Schedule.	
IPP	SWPGPL U-2	135	11/11/2022	19:36		Continued.	Submerged Scrapper Conveyor Scrapper bar problem.(unit out due to coal shortage from 15.11.2022)	
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.	31/12/2022
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		Continued.	Gas shortage	
IPP	RPL(AMT) U-2	270	24/12/2022	00:00	26/12/2022	02:43	Coal Shortage	
MSPGCL	Bhusawal Unit 3	210	24/12/2022	00:38		Continued.	Boiler Tube Leakage	27/12/2022
IPP	RPL(AMT) U-3	270	25/12/2022	17:45		Continued.	Bottom Ash evacuation problem	28/12/2022
MSPGCL	Khaparkheda Unit 2	210	26/12/2022	06:16		Continued.	ID Fan Problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 25/Dec/2022

Statement-VII

Position as on 6.30 Hrs of 26/Dec/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LR Outages/Tripping							
LR (704) OF KORADI CKT - 2@ TIRORA	IntraState	24/12/2022	12:46			PO	For LR (704-52LR) CB Maintenance & for attending SF6 gas leakage
400 KV TBC Outages/Tripping							
TBC @ NAGOTHANE	IntraState	19/12/2022	11:20			PO	for CB overhauling work
400 KV MAINBAY Outages/Tripping							
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/Tripping							
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.
PARLI(MS) - PARLI (PG) CKT - 2	InterState	24/12/2022	07:05			PO	POST OCC: BYPASSING OF 400KV PARLI(PG)-PARLI(M) 400KV D/C AND 400KV PARLI(PG)-PARLI (NEW) D/C QUAD LINE AT THE OUT SKIRT OF PARLI(PG) S/S SO AS TO FORM PARLI(M)-PARLI(NEW) 400KV D/C LINE
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	08/11/2022	07:32			HT	For Load Management
KHARGHAR - TALEGAON (PG)	IntraState	03/12/2022	23:54			PO	For Tapping of 400KV Kalwa-Padgha-2 Line on KHARGHAR - TALEGAON (PG) so as to form temporary 400KV Kalwa-Kharghar -Talegaon Line for replacement of existing conductor by HTLS conductor of 400KV Kalwa-Padgha-2 line.
LONIKAND I - KOYNA STAGE-IV	IntraState	25/12/2022	00:53	25/12/2022	10:05	HT	H/T to Control Over Voltage.
BABLESHWAR- AURANGABAD (WALUJ)	IntraState	25/12/2022	09:12	25/12/2022	18:38	PO	Main-I & Main -II Distance relay testing
KHADKA-AURANGABAD (WALUJ)	IntraState	25/12/2022	22:19	26/12/2022	06:28	HT	HAND TRIPPED FOR OVER VOLTAGE.
BABHALESHWAR - PADGHE CKT - 2	IntraState	25/12/2022	22:54	26/12/2022	05:34	EO	"To attend Hot-Spot at jumpers of Cut-point Towers. Loc. No. 54, 52, 33,15 under 500kv HVDC TL O&M Sub Division, Padghe. The high temperatures at Jumper joints are as follows :- Loc No. 54 - B-Phase(BBLR side) - 165 ℃; Loc No. 54 - B-Phase(PDG side) - 122 ℃; Loc No. 52- B-Phase (BBLR side) - 126 ℃. Loc No. 52- B-Phase (PDG side) - 81.5 ℃. Loc No. 33 - Y-Phase (PDG-Side) - 120 ℃, Loc No. 33 - Y-Phase - (BBLR-Side) - 81.4 ℃, Loc No. 15 - Y-Phase (PDG Side) - 100 ℃; "
JAIGAD - KARAD CKT - 2	IntraState	25/12/2022	23:15	25/12/2022	10:02	HT	H/T to Control Over Voltage.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Dec/2022

Statement-VII

Position as on 6.30 Hrs of 26/Dec/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
JAIGAD - KARAD CKT - 1	IntraState	26/12/2022	00:09			HT	Over Voltage
JAIGAD - KARAD CKT - 1	IntraState	26/12/2022	00:09			HT	HAND TRIPPED DUE TO OVER VOLTAGE.
LONIKAND I - KOYNA STAGE-IV	IntraState	26/12/2022	00:10			HT	Over voltage
LONIKAND I - KOYNA STAGE-IV	IntraState	26/12/2022	00:10			HT	HAND TRIPPED DUE TO OVER VOLTAGE.
400 KV ICT Outages/Trippings							
400/220 KV 500MVA ICT - 4 @ KALWA	IntraState	25/12/2022	08:06	25/12/2022	19:16	PO	All diagnostic testing work, Bay maintenance work, leakage attending from OLTC of R ph unit.
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
TROMBAY - SALSETTE CKT - 1	IntraState	24/12/2022	23:20	25/12/2022	06:16	PO	Project work of Partial DF+5 type tower erection at loc. 46A for Proposed Metro 4 at Sahakar Plaza crossing Ghatkopar
TROMBAY SALSETTE LINE-2	IntraState	24/12/2022	23:25	25/12/2022	06:23	PO	Project work of Partial DF+5 type tower erection at loc. 46A for Proposed Metro 4 at Sahakar Plaza crossing Ghatkopar
MAIN BUS SECTION - 1 @ MAHAPE	IntraState	25/12/2022	05:47	25/12/2022	15:16	PO	Overhauling of main bus Isolator & Bus maintenance work.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	25/12/2022	06:39	25/12/2022	21:35	PO	For shifting of the line on ERS between Loc no. 379 to 381 i/r of Height raising & shifting of the line for NHSRCL.
MALEGAON-SATANA	IntraState	25/12/2022	10:12	25/12/2022	18:22	HT	HT for Load Management
PEDHAMBE ONI LINE	IntraState	25/12/2022	14:58	25/12/2022	19:37	T	Tripped on Distance protection
TROMBAY - SALSETTE CKT - 1	IntraState	25/12/2022	23:03	26/12/2022	07:58	PO	Project work of Partial DF+5 type tower erection at loc. 46A for Proposed Metro 4 at Sahakar Plaza crossing Ghatkopar
TROMBAY SALSETTE LINE-2	IntraState	25/12/2022	23:08	26/12/2022	05:58	PO	Project work of Partial DF+5 type tower erection at loc. 46A for Proposed Metro 4 at Sahakar Plaza crossing Ghatkopar
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 50 MVA PTR NO 4 @ PARVATI	IntraState	24/12/2022	10:29	25/12/2022	16:20	PO	220/22 kV , 50 MVA TF 04 CB overhauling work
220/132 KV 150 MVA ICT 1 @ SATANA	IntraState	25/12/2022	10:21	25/12/2022	17:53	PO	To attend oil leakages of ICT.
132 KV BUSBAR Outages/Trippings							
MAIN BUS @ KOPARGAON	IntraState	23/12/2022	18:00			PO	For replacement of 132 KV Yeola line R ph bus jump and 132 KV bus section- R ph CT to bus jump for attending hotspot. Also diagnostic testing work of 132 kV PTs and allied equipment's.
110 KV LINE Outages/Trippings							
TATA BORIVLI MSETCL BORIVLI 1	IntraState	24/12/2022	10:04	25/12/2022	18:06	PO	BUSBAR REPLACEMENT WORK AT BMC END

