

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 04/Dec/2023 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	143.845	553.193	1) Gujrat	6.403	27.683
2) Hydro	5.178	20.585	2) Madhya Pradesh	7.628	33.874
3) Gas	6.948	27.882	3) Chattisgarh	5.980	21.970
Total MSPGCL	155.971	601.660	4) Maharashtra	167.039	643.775
B) 1) APML	20.723	79.079	5) Goa (Amona)	-1.528	-6.019
2) JSWEL	22.488	88.484	Total	185.522	721.283
3) VIPL	0.000	0.000	a) Mumbai Schedule	36.431	136.541
4) RPL(AMT)	24.610	96.642	b) Mumbai Drawl	40.228	152.796
5) SWPGPL	9.980	39.671	c) MSEDCL Bilateral *	75.426	270.975
6) Other IPP	35.851	133.435	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	36.431	136.541
C) 1) TPCL Thermal	11.359	42.903	Include PX	0.000	0.000
2) TPCL Hydro	3.065	10.510	Standby	0.000	0.000
3) TPCL Gas	2.029	8.445	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.000	27.856	1) MSEDCL	427.836	1654.785
D) STATE			2) Mumbai Discoms	65.681	242.510
1) Thermal	277.856	1061.263	3) Other Discoms	10.359	40.610
(A1+C1+C4+(B1-B6))			TOTAL STATE	503.876	1937.905
2) Hydro	8.243	31.095			
(A2+C2)					
3) Gas	8.977	36.327			
(A3+B7+C3)					
4) Wind	11.665	41.447			
6) SOLAR	11.613	46.490			
TOTAL STATE	318.354	1216.622			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	6164	6717	6776	5039
MSPGCL Hydro	244	170	314	163
MSPGCL Gas	291	285	287	297
MSPGCL Total Generation	6699	7172	7377	5499
Central Sector Receipt	8686	8274	9408	6334
WIND	334	220	338	675
CPP / IPP Thermal	4881	5248	5258	4292
CPP / IPP Gas	0	0	0	0
SOLAR	1169	86	6	0
Exchange with Mumbai	-1831	-1758	-1721	-1303
MSEDCL DEMAND MET	19502	18778	20206	15134
Load Shedding	0	0	0	0
MSEDCL DEMAND	19502	18778	20206	15134
TPCL GENERATION	768	942	956	539
AEML GENERATION	410	473	473	318
MUMBAI DEMAND	3009	3173	3150	2160
OTHER DISCOM DEMAND	436	464	460	363
STATE DEMAND MET	22947	22415	23816	17657
STATE DEMAND	22947	22415	23816	17657
Frequency (Hz)	50.02	49.96	49.99	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.28 Hz at 11:36 Hrs	49.74 Hz at 19:20 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 04/Dec/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.46	14.40	165	130
Unit 8	12.79	50.78	625	371
Unit 9	12.62	49.16	614	376
Unit 10	12.34	49.02	585	410
Total	41.21	163.34		
Bhusawal				
Unit 3	0.00	7.83	0	0
Unit 4	8.82	29.45	485	285
Unit 5	8.40	31.71	475	280
Total	17.22	68.99		
Parli				
Unit 6	0.00	1.90	0	0
Unit 7	0.00	1.92	0	0
Unit 8	0.00	6.15	0	0
Total	0.00	9.97		
Chandrapur				
Unit 3	3.30	12.86	157	115
Unit 4	3.21	12.70	155	117
Unit 5	8.17	32.03	425	285
Unit 6	7.25	13.59	340	275
Unit 7	6.85	27.42	320	262
Unit 8	9.38	36.14	483	281
Unit 9	9.57	36.93	478	309
Total	47.72	171.68		
Paras				
Unit 3	5.39	20.82	234	163
Unit 4	5.55	21.67	252	166
Total	10.94	42.48		
Khaparkheda				
Unit 1	3.38	12.26	165	120
Unit 2	2.13	8.46	109	80
Unit 3	3.53	13.90	169	135
Unit 4	3.92	15.17	192	130
Unit 5	10.39	40.73	475	270
Total	23.35	90.52		
Nasik				
Unit 3	3.40	6.21	155	124
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Total	3.40	6.21		
Uran				
All Units	6.95	27.88	300	277
Total	6.95	27.88		
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)	0.06	0.76	37	0
Total	0.06	0.76		
Koyna				
Stage 1-2	1.48	5.05	215	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	0.00	0	0
Stage 3	0.35	1.44	160	0
Total	1.83	6.49		
Hydro				
KDPH	0.43	2.32	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.34	10.08	101	93
GHATGHAR	0.51	0.94	125	0
Total	3.28	13.34		
Wind				
Total	11.66	41.45	0	0
Total	11.66	41.45		
CPP				
APML(Mus)	20.72	79.08	0	0
JSWEL(Mus)	22.49	88.48	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.61	96.64	0	0
SWPGPL-Mus	9.98	39.67	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.81	17.75	260	158
Other(Mus)	31.04	115.69	0	0
JPL	0.00	0.00	0	0
Total	113.65	437.31		
SOLAR				
Total	11.61	46.49	0	0
Total	11.61	46.49		
Tata				
Trombay 5	7.27	28.14	360	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.10	4.63	108	39
Trombay 7B	0.93	3.81	64	35
TATA Hydro	3.06	10.51	374	30
Trombay 8	4.09	14.77	228	132
Total	16.45	61.86		
AEML				
DTPS U-1&2	9.00	27.86	473	309
Total	9.00	27.86		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	143.84	553.19	MSPGCL Total	155.97	601.66
			MSPGCL Thml+Gas	150.79	581.08	Koyna 1,2 & 4 Total	1.48	5.05
			MSPGCL Hydro	5.18	20.58	State Total	318.35	1216.62

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 04/Dec/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	5123	167	291	5581	619	4458	0	0	6583	6561	-1407	15429	0	0	15429	2316	383	18128	50.02
2	5039	163	297	5499	675	4292	0	0	6518	6334	-1303	15134	0	0	15134	2160	363	17657	50.00
3	4983	159	297	5439	688	4375	0	0	6258	6495	-1210	15447	0	0	15447	2037	340	17824	49.99
4	5075	159	297	5531	631	4427	0	0	6121	6588	-1138	15692	0	0	15692	1960	347	17999	50.01
5	5462	164	299	5925	585	4472	0	0	6198	6715	-1111	16237	0	0	16237	1950	349	18536	49.99
6	6207	159	299	6665	524	4507	0	0	6579	7103	-1179	17236	0	0	17236	2049	384	19669	49.98
7	6758	196	296	7250	543	4967	0	18	7025	7644	-1325	18686	0	0	18686	2214	411	21311	49.97
8	6863	260	300	7423	551	5352	0	199	7604	8144	-1475	19761	0	0	19761	2403	433	22597	50.00
9	6779	164	295	7238	397	5367	0	594	7893	8052	-1653	19543	0	7	19543	2721	452	22716	50.03
10	6164	244	291	6699	334	4881	0	1169	8527	8686	-1831	19502	0	60	19502	3009	436	22947	50.02
11	5736	454	285	6475	367	4650	0	1507	8444	8516	-2053	19009	0	60	19009	3214	453	22676	49.99
12	5604	283	279	6166	433	4609	0	1782	8535	8201	-2148	18571	0	60	18571	3297	472	22340	50.13
13	4837	282	277	5396	416	4272	0	1855	8605	8424	-2133	17756	0	10	17756	3266	474	21496	50.11
14	4795	279	283	5357	336	4236	0	1718	8377	8336	-2041	17477	0	0	17477	3159	465	21101	50.06
15	5287	242	279	5808	310	4628	0	1378	8403	8530	-2046	18135	0	0	18135	3205	473	21813	50.02
16	6222	159	280	6661	278	4684	0	881	8346	8129	-2004	18159	0	34	18159	3236	469	21865	50.00
17	6634	154	283	7071	244	5097	0	420	8171	8022	-1903	18492	0	139	18492	3209	459	22160	49.94
18	6717	170	285	7172	220	5248	0	86	8544	8274	-1758	18778	0	139	18778	3173	464	22415	49.96
19	6776	314	287	7377	338	5258	0	6	9562	9408	-1721	20206	0	53	20206	3150	460	23816	49.99
20	6725	376	288	7389	388	4807	0	0	8894	8986	-1900	19190	0	0	19190	3038	480	22708	49.94
21	6770	167	289	7226	561	5017	0	0	7769	7579	-1649	18267	0	0	18267	2901	467	21635	50.04
22	6760	154	288	7202	672	4878	0	0	7047	7138	-1780	17652	0	0	17652	2752	458	20862	50.02
23	6472	155	291	6918	777	4604	0	0	7167	6920	-1770	17009	0	0	17009	2661	440	20110	49.99
24	6057	154	292	6503	778	4566	0	0	7002	6737	-1690	16466	0	0	16466	2601	428	19495	50.01
MUs	143.84	5.18	6.95	155.97	11.67	113.65	0.00	11.61	184.17	185.52	-40.23	427.84	0.00	0.56	427.84	65.68	10.36	503.88	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.

*Load Shedding due to Transmission Constraint :-

Due to overloading of 220kV BBLR-I & II line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 04/Dec/2023

Position as on 6.30 Hrs of 05/Dec/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	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
MSPGCL	Nasik Unit 4	210	19/11/2023	15:48		Continued.	Stator Earth Fault (Converted into AOH from 00:00 hrs dt.20/11/2023)	12/12/2023
MSPGCL	Koyna STG-IV Unit-3	250	24/11/2023	08:00		Continued.	Capital Overhauling	19/01/2024
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.	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	15/12/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/03/2024
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
IPP	RPL(AMT) U-2	270	12/10/2023	07:59		Continued.	Tripped Due to Electrical protection opted.	15/12/2023
IPP	JPL Unit 1	150	03/11/2023	00:01		Continued.	Under shutdown condition Due to low net sales Realization cost.	30/11/2023
IPP	Adani U-5	660	16/11/2023	23:16		Continued.	Zero Schedule	
IPP	Adani U-4	660	27/11/2023	04:13		Continued.	zero schedule	
IPP	Adani U-1	660	28/11/2023	23:53		Continued.	ZERO SCHEDULE	
MSPGCL	Nasik Unit 5	210	30/11/2023	05:24		Continued.	Suspected BTL.	04/12/2023
MSPGCL	Parli Unit 6	250	01/12/2023	12:31		Continued.	Zero Schedule Given By MSEDCL	
MSPGCL	Parli Unit 7	250	01/12/2023	12:32		Continued.	Zero Schedule Given By MSEDCL	
MSPGCL	Parli Unit 8	250	02/12/2023	14:20		Continued.	Zero schedule	
MSPGCL	Bhusawal Unit 3	210	03/12/2023	11:00		Continued.	Boiler Tube Leakage	05/12/2023

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 05/Dec/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/Trippings							
TIE BAY OF 765KV/21KV TIRODA-GT-5 AND 765KV-TIRODA-KORADI-III-1 @TIRODA - 765KV at TIRODA - 765KV	InterState	04/12/2023	09:50			PO	Annual testing and mechanism OH
765 KV MAINBAY Outages/Trippings							
MAIN BAY - 701 OF 765/400kV 1500MVA ICT-1 @ KORADI 3	IntraState	04/12/2023	09:22	04/12/2023	19:34	PO	Annual maintenance of CB at Koradi- III SS
765 KV LINE Outages/Trippings							
KORADI III - AKOLA II Ckt - 2	IntraState	04/12/2023	15:17	04/12/2023	18:16	EO	Rescue monkey on line.
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
400 KV TIEBAY Outages/Trippings							
TIE BAY (417) OF ICT-1 & FUTURE BAY @ TAPTITANDA	IntraState	04/12/2023	15:06			PO	CB mechanism overhauling work by M/s CGL
400 KV MAINBAY Outages/Trippings							
400/11.5 KV 110MVA STN T/F 6A @ DEEPNAGAR	InterState	09/11/2023	15:36			PO	For alignment work of 89L isolator of Station Transformer 6A
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
LONIKAND I - TALEGAON (PGCIL)	InterState	04/12/2023	09:49	04/12/2023	16:58	PO	For AMP work
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of $\epsilon Y \epsilon$ 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.
CHANDRAPUR GCR - CHANDRAPUR 2 CKT 1	IntraState	23/11/2023	11:55			PO	Scheme work of replacement of existing 0.5 ACSR conductor by HTLS conductor
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	26/11/2023	19:17			HT	HT Load Management
NEW KOYNA-KARAD CKT - 1	IntraState	29/11/2023	23:25	04/12/2023	09:03	HT	Hand tripped due to high voltages.
KHADKA-AURANGABAD (WALUJ)	IntraState	30/11/2023	21:25	04/12/2023	08:48	HT	H/T For Voltage Management
PADGHE - PADGHE HVDC CKT- 2	IntraState	01/12/2023	08:48			PO	1.Bay Maintenance Work. 2.Diagnostic Testing Work. 3.MTAMC work. 4.Replacement of old BHEL Make 7 Core CT with New 7 Core CT of CGL make. 5.Replacement of A Bus B Ph PG Isolator under LES Scheme.
CHANDRAPUR GCR - CHANDRAPUR HVDC - 2	IntraState	01/12/2023	08:48			PO	1. CB pole overhauling work. 2.Diagnostic testing work of CT, CB. 3. Bay maintenance work.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 05/Dec/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
JAIGAD - KARAD CKT - 2	IntraState	01/12/2023	23:52	04/12/2023	08:56	HT	HT to control Overvoltage
LONIKAND I - KOYNA STAGE-IV	IntraState	04/12/2023	01:10	04/12/2023	07:08	HT	H/T For Voltage Management.
KARAD - TALANDGE CKT - 1	IntraState	04/12/2023	12:33	04/12/2023	19:45	PO	PID Faulty disc insulator replacement work & Cold line washing work
KHADKA-AURANGABAD (WALUJ)	IntraState	04/12/2023	23:05			HT	HT for overvoltage control
JAIGAD - KARAD CKT - 1	IntraState	05/12/2023	00:49			HT	HT to Control Overvoltage
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.
STATION TRANSFORMER - 8A @ CHANDRAPUR SWITCHING SS	IntraState	01/12/2023	13:22			PO	R-PHASE BUSHING CHECKING, REPLACEMENT AND ASSOCIATED WORKS.
400/220/33 KV 315 MVA ICT - 1 @ PARLI	IntraState	05/12/2023	09:43			PO	RRS scheme BPI, IPS tube fitting & allied work.
220 KV MAINBAY Outages/Trippings							
BUS COUPLER @ TALANDGE	IntraState	04/12/2023	11:06	04/12/2023	13:54	PO	Quarterly maintenance work and Diagnostic testing work
150MVA ICT 220/132KV @ 220KV NAGEWADI S/S	IntraState	04/12/2023	11:50	04/12/2023	13:57	PO	Filling oil to maintain oil level
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	20/11/2023	17:31			HT	HT for load management from Padghe end
TROMBAY MSETCL TIE - 1	IntraState	04/12/2023	00:00	04/12/2023	08:17	PO	FOR ATTENDING HOT SPOT AT TATA TROMBAY
TPC BORIVALI - AAREY	IntraState	04/12/2023	07:21			PO	Shifting 220kV Aarey-TPC Borivali Line from Bay no.18 to Bay no.16 and relay reconfiguration at both end
SOUTH SOLAPUR (KUMBHARI) - SOLAPUR (PG) CKT - 2	IntraState	04/12/2023	09:05	04/12/2023	17:48	PO	Line side equipments AMP at 765kV Solapur Substation
URAN - APTA 3	IntraState	04/12/2023	10:16	04/12/2023	16:40	PO	For attending 220kV Bus-1 Q1 Isolator alignment by shifting APTA-3 line on TBC by Hotline unit
MIRAJ - ICHALKARANJI	IntraState	05/12/2023	09:17			PO	220KV Miraj Line kept off for attending 220KV Talandage-Tilawani Circuit-II CT Replacement work.
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.
220/132 KV 200 MVA ICT 1 @ KALMESHWAR	IntraState	04/12/2023	09:58	04/12/2023	21:35	PO	Diagnostic testing work
220/33 kv 50 MVA CGL PTR 1 @ MUDSHINGI	IntraState	04/12/2023	10:18	04/12/2023	17:10	PO	Quarterly maint work
220 KV BUSBAR Outages/Trippings							
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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 05/Dec/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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