

Telecom Instruments Digest: Monthly Insights into Electronic Exports & Imports (5, 2024)



Telecom Instruments Digest: Monthly Insights into Electronic Exports & Imports



ABSTRACT
*Invaluable insights into
the transformative
trends shaping India's
Telecom Instruments
sector*

Prepared By:
Mr. Uday Khanna
Sr. Executive – Research &
Analysis, MAIT

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1 Introduction:

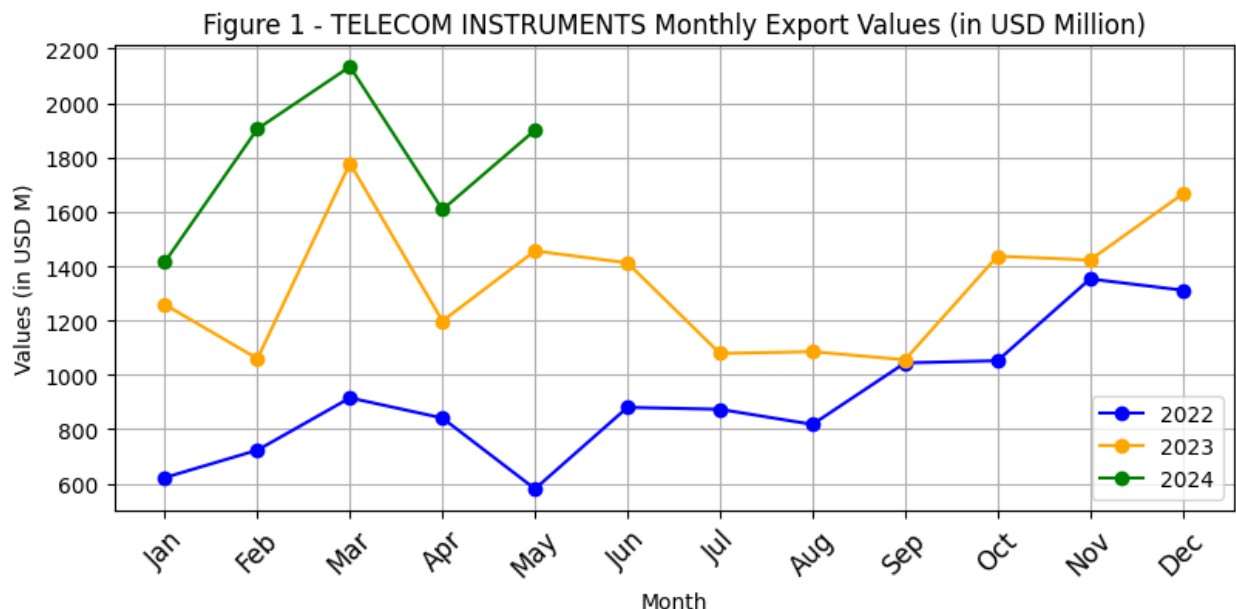
The **Ministry of Commerce and Industry (MoCI), Department of Commerce (DoC), Government of India (GoI)** monthly releases total merchandise trade data that provides valuable insights into the nation's trade landscape. This comprehensive data encompasses both imports and exports, meticulously classified by Harmonized System of Nomenclature (HSN) codes. Within this rich repository of information, MAIT, the apex body representing India's electronics & ICT hardware sector, seeks to harness the power of this data to delve deeper into the nuances of electronic goods trade, with a specific focus on **Telecom Instruments**.

Through a series of researched reports, MAIT aims to dissect the monthly trade data spanning a couple of years, with a keen eye on identifying trends and major products within the **Telecom Instruments** segment. These reports serve as a vital tool for understanding the intricate dynamics of the electronics industry and its various subcategories. By leveraging this intelligence, stakeholders within the industry can stay abreast of evolving trade patterns, enabling informed decision-making and strategic planning.

2 Export Analysis:

2.1 Total Export value:

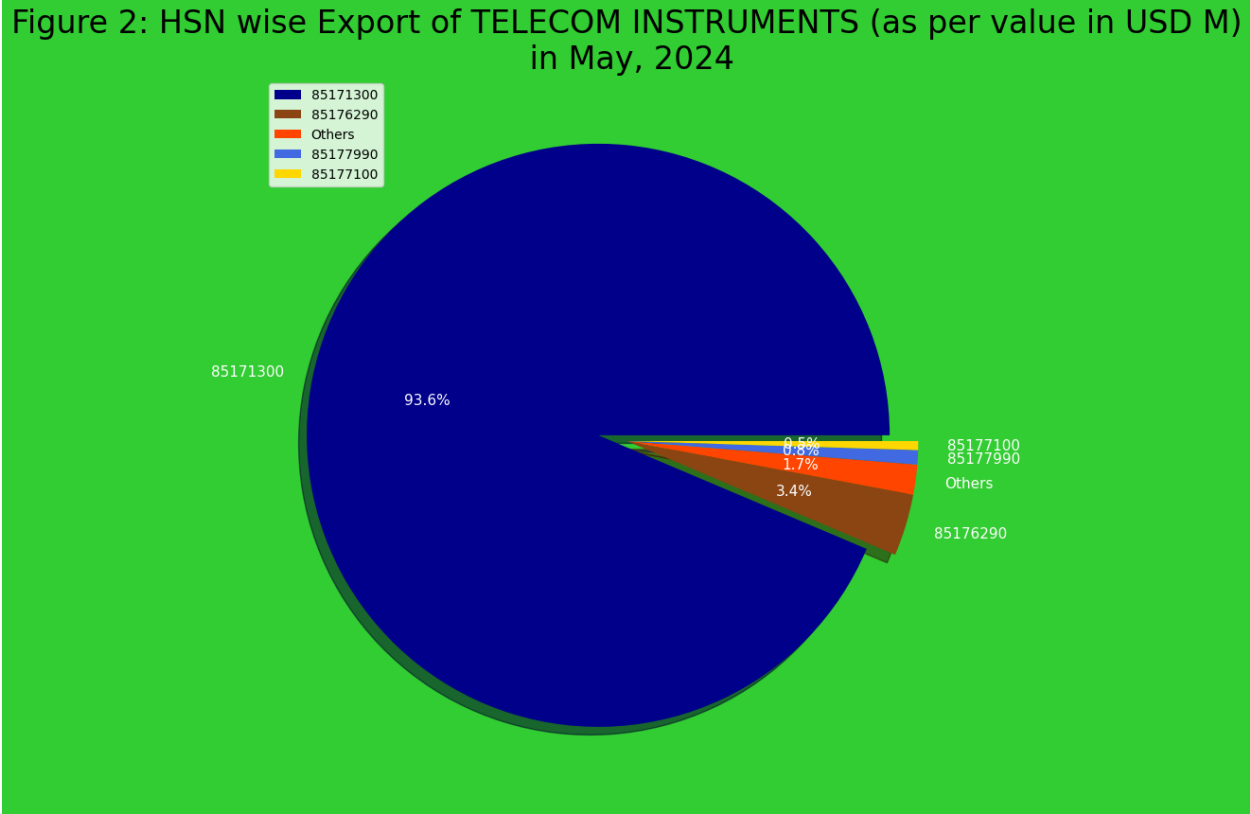
In **5, 2024**, India's Telecom Instruments export value is **USD 1.9003 billion**. This notable achievement underscores the industry's resilience and potential on the global stage. Throughout the year **2023**, the average monthly export value for India's Telecom Instruments stood at **USD 1.3256 billion**, showcasing a remarkable upswing from the previous year's figure of **USD 0.918 billion in 2022**. The average monthly export value for last few months of **2024** is **USD 1.7927 billion**. **Figure 1** illustrates this upward trajectory, depicting consistent year-over-year (YoY) growth with an average monthly export growth rate of **44.4008715%** in **2023** and **35.2368739%** in **2024**. Such robust expansion signals not only the sector's vitality but also its capacity to adapt and thrive in the face of evolving market dynamics.



2.2 Export by Product Category (HSN wise):

In **5, 2024**, **Smartphones (HSN – 85171300)** emerged as the dominant force within India's Telecom Instruments export landscape, constituting an impressive **93.63%** of all exports within the sector. **Figure 2**

provides a visual representation of this distribution, showcasing the substantial market share held by Smartphones (HSN – 85171300) in telecom instruments sub-sector within India’s export portfolio.



Combining the data from **Figure 3**, **Figure 4** and **Table 1**, the landscape of India’s Telecom Instruments exports presents a compelling narrative of growth and dominance.

Figure 3: HSN wise Exports

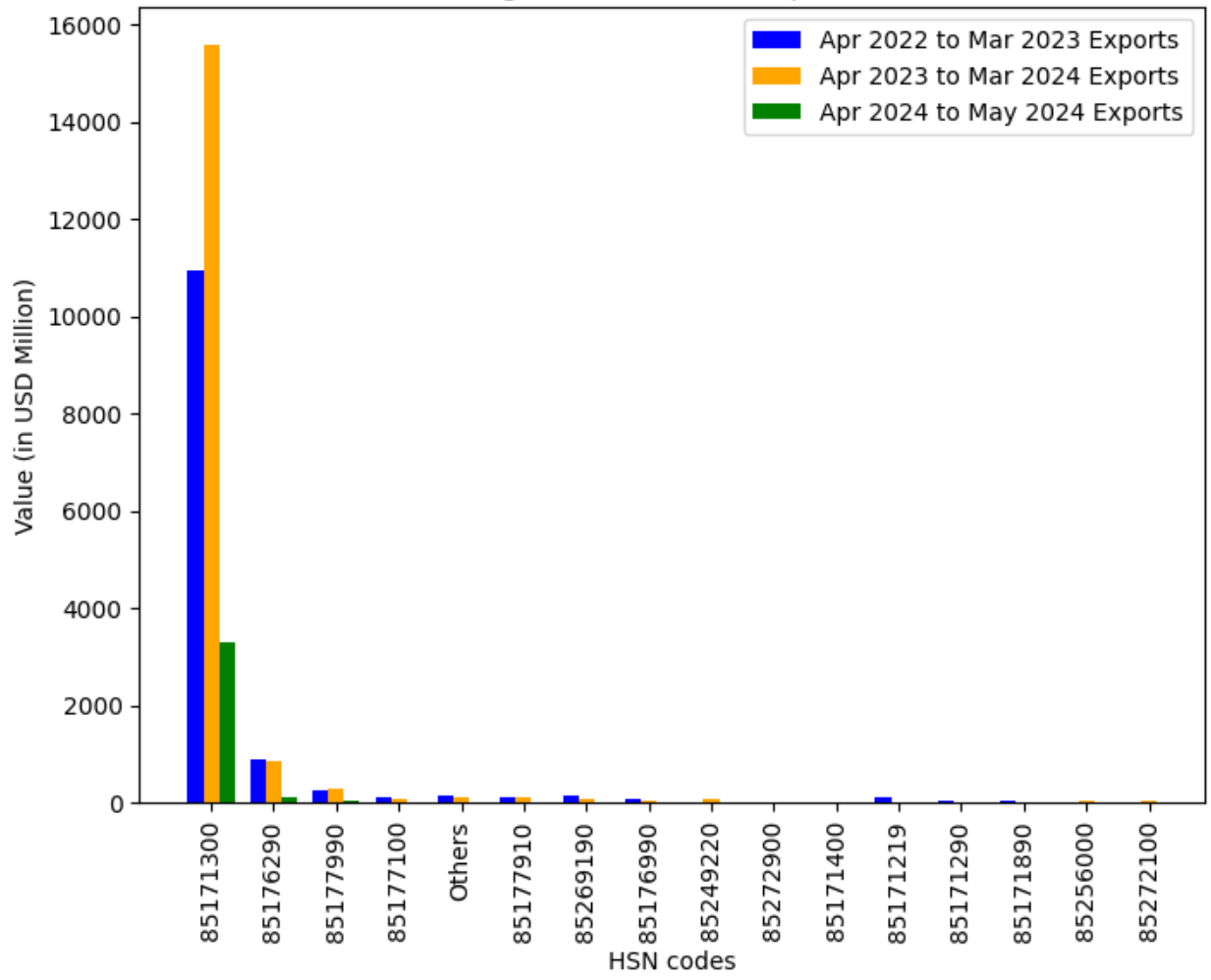


Figure 4: HSN Code and their export value (in USD M) in May, 2024

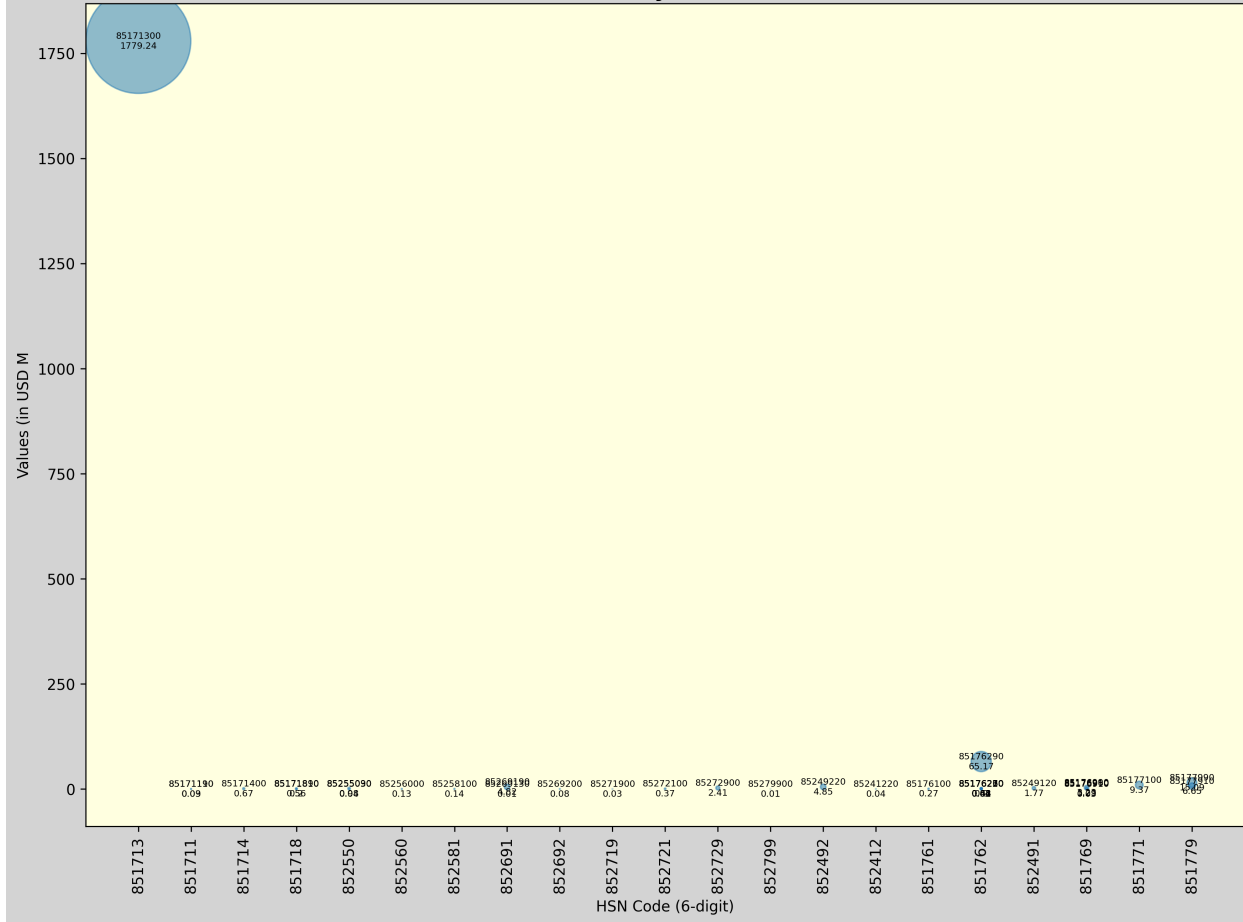


Table 1: HSN wise Telecom Instruments Exports

HSN	Description	Apr.2022.to.Mar.2023	Apr.2023.to.Mar.2024	Apr.2024.to.May.2024
85171300	Smartphones	10955.21	15572.96	3290.62
85176290	OTHER	889.21	867.48	116.27
85177990	OTHER	238.95	298.01	29.22
85177910	Populated, loaded or stuffed printed circuit boards	98.34	94.56	11.66
85269190	OTHERS	146.67	82.14	9.3
85249220	Of organic light-emitting diodes (OLED) : For the goods of sub-heading 8517 13 or 8517 14	NA	74.04	6.97
85177100	Aerials and aerial reflectors of all kinds parts suitable for use therewith	120.69	65.48	17.4
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	61.82	45.03	7.56
85272100	RADIO BRDCST RECVR S WTH RADIO TELPHONY ETCCMBND WTH SND RECRDNG/REPRDCNG APPRTS, USED MTR VEHCLS, CAN NT OPERATE WTOUT	37.31	40.78	1.1
85272100	RADIO BRDCST RECVR S WTH RADIO TELPHONY ETCCMBND WTH SND RECRDNG/REPRDCNG APPRTS, USED MTR VEHCLS, CAN NT OPERATE WTOUT	37.31	40.78	1.1
85256000	TRANSMISSION APPARATUS INCORPORATING RECEPTION APPARATUS	6.63	26.03	0.77
85272900	OTHR REDIO-BROADCST RCVR S NT CPBL TO OPRT WTH T EXTRNL POWR,USD IN MOTR VHCLS,INCL APPRTS FR RCVNG RADIO-TLPHNY/RADIO-T	8.11	13.04	3.99
85272900	OTHR REDIO-BROADCST RCVR S NT CPBL TO OPRT WTH T EXTRNL POWR,USD IN MOTR VHCLS,INCL APPRTS FR RCVNG RADIO-TLPHNY/RADIO-T	8.11	13.04	3.99

85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	6.03	11.59	1.46
85171400	Other telephones for cellular networks or for other wireless networks	15.37	11	2.47
85255090	OTHER	7.93	9.24	1.24
85171890	OTHER	43.51	8.03	0.86
85249120	Of liquid crystals : For the goods of sub-heading 8517 13 or 8517 14	NA	7.11	1.83
85176230	Modems (modulators-demodulators) for xDSL based Wireline Telephony	5.03	6.91	0.85
85171190	OTHERS	21.11	4.86	0.09
85176220	VOICE FREQUENCY TELEGRAPHY	2.27	3.6	0.57
85176270	Multiplexers, statistical multiplexers for PDH based Wireline Telephony	7.5	2.82	0.89
85269120	INSTRUMENT LANDING SYSTEM	0.27	2.72	0.06
85176210	PLCC EQUIPMENT	2.72	2.52	0.58
85171110	PUSH BUTTON TYPE	1.7	2.45	0.05
85269200	OTHER RADIO REMOTE CONTROL APPARATUS	4.53	2.15	0.15
85176100	BASE STATIONS	2.43	1.78	0.29
85241120	Of liquid crystals : For the goods of sub-heading 8517 13 or 8517 14	NA	1.64	0
85176960	Set top boxes for gaining access to internet for Wireline Telephony	6.42	1.48	1.29
85279900	OTHER	2.45	1.21	0.09
85269150	VHF OMNI RANGE EQUIPMENT	0.96	0.98	0.01
85255030	BROADCAST EQUIPMENT SUB-SYSTEM	0.67	0.87	0.07
85269110	DIRECTION MEASURING EQUIPMENT	0.05	0.82	0
85171810	PUSH BUTTON TYPE	0.64	0.61	0.32
85176970	ATTACHMENTS FOR TELEPHONES	0.14	0.54	0
85258100	Television cameras, digital cameras and video camera recorders High-speed goods	0.31	0.41	0.15
85241220	Of organic light-emitting diodes (OLED) : For the goods of sub-heading 8517 13 or 8517 14	NA	0.4	0.04
85271900	OTHR RADIO-BROADCAST RECVRS ABLE TO OPRT WTHT EXTRNL SOURCE OF POWR ,INCL APPRTS ABLE TO RCV RADIO-TELEPHONY/RADIO TL	0.13	0.37	0.03
85271900	OTHR RADIO-BROADCAST RECVRS ABLE TO OPRT WTHT EXTRNL SOURCE OF POWR ,INCL APPRTS ABLE TO RCV RADIO-TELEPHONY/RADIO TL	0.13	0.37	0.03
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	0.36	0.31	0.02
85269130	DIRECTION FINDING EQUIPMENT	0.07	0.2	0.03
85176910	ISDN TERMINALS	0.06	0.08	0.03
85176920	ISDN TERMINAL ADAPTERS	1.27	0.05	0.01
85255010	RADIO BROADCAST TRANSMITTER	0.03	0.04	0
85271300	OTHER APARATUS COMBIND WTH SOUND RECORDNG OR REPRDCNG APARATUS	0.09	0.04	0
84433260	FACSIMILE MACHINE	0	0.04	0
85279100	OTHR RADIO BRDCST RECVRS WTH RADIO TELPHNYETC CMBND WTH SND RECRDNG/REPRDCNG APPRTS	0.04	0.02	0.01
85279100	OTHR RADIO BRDCST RECVRS WTH RADIO TELPHNYETC CMBND WTH SND RECRDNG/REPRDCNG APPRTS	0.04	0.02	0.01
85255020	TV BROADCAST TRANSMITTER	0.01	0.02	0
85279200	OTHR RADIO BRDCST RECVRS WTH RADIO TELPHNYETC NT CMBND WTH SOUND RECDNG/REPRDCNG APPRTS BUT CMBND WTH A C	0	0	NA
85241920	Other : For the goods of sub-heading 8517 13 or 8517 14	NA	0	NA
85171219	MOBILE PHONES, PUSH BUTTON TYPE	111.15	0	NA
85171290	OTHER	42.38	0	NA
85258020	DIGITAL CAMERAS	0.02	0	NA
85271200	POCKET-SIZE RADIO CASSETTE PLAYERS	0	0	0
85255050	Wireless microphone	0	0	NA
85269140	NON DIRECTIONAL BEACON	0	0	0
85176940	X25 PADS	0	0	0
85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	0.02	0	NA
85255040	COMMUNICATION JAMMING EQUIPMENT	0.2	0	0
85249920	Other : For the goods of sub-heading 8517 13 or 8517 14	NA	0	NA

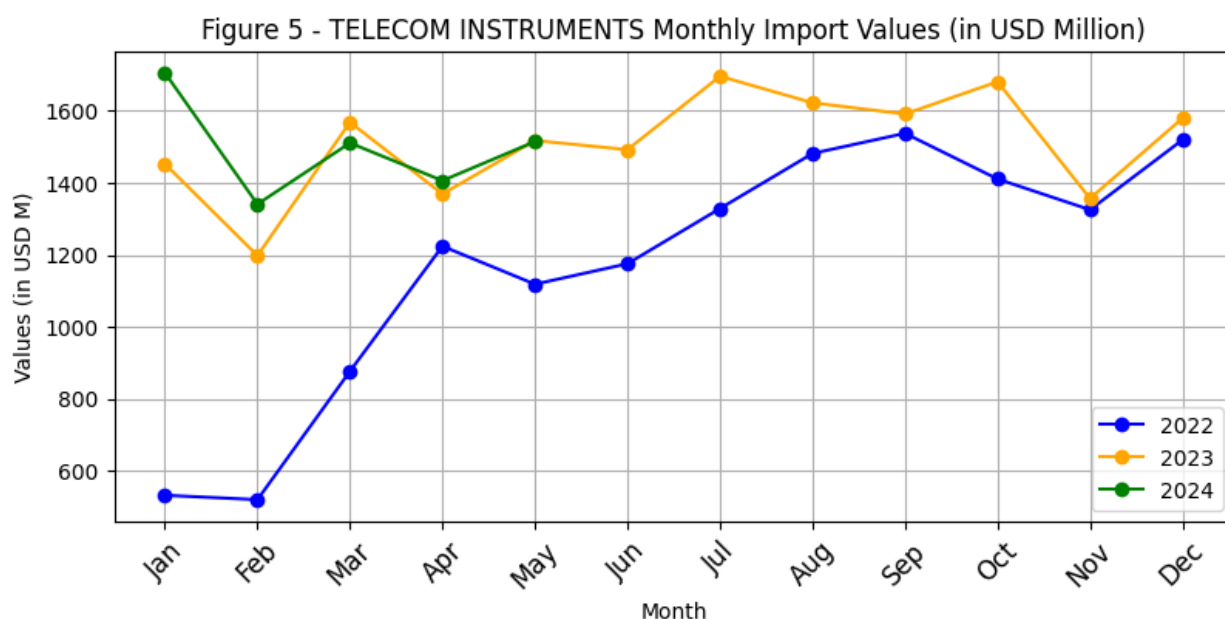
85258010	TELEVISION CAMERAS	0	NA	NA
85195000	TELEPHONE ANSWRNG MCHNS	0	NA	NA

3 Import Analysis:

3.1 Total Import Value:

In 5, 2024, India’s Telecom Instruments import value is **USD 1.5148 billion**, indicative of the nation’s robust appetite for imported telecommunications equipment. Throughout the entirety of **2023**, the average monthly import value for telecom instruments stood at **USD 1.5105 billion**, marking a significant **29.0143492%** year-on-year (YoY) growth compared to the **2022** average of **USD 1.1708 billion**. The average monthly import value for last few months of **2024** is **USD 1.4957 billion** with **35.2368739%** as growth rate in few months of **2024**.

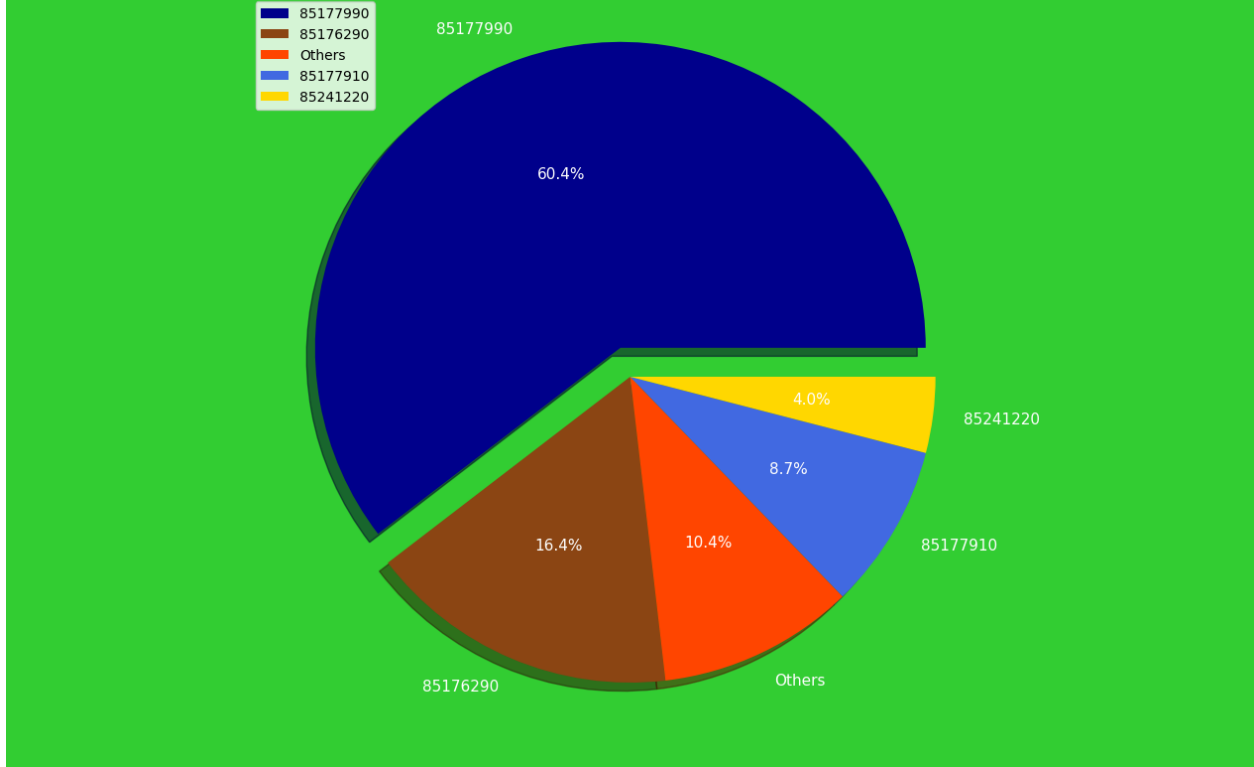
Figure 5 provides a visual representation of this trend.



3.2 Import by Product Category (HSN wise):

In 5, 2024, the category labelled as **OTHER (HSN – 85177990)** dominated India’s Telecom Instruments import landscape, constituting an impressive **60.41%** of all imports within the sector. Spanning across **9 HSN codes**, this diverse category reflects the varied range of telecommunications equipment being imported to meet domestic demand. **Figure 6** provides a visual representation of this distribution, illustrating the substantial market share held by the **OTHER (HSN – 85177990)** category to India’s Telecom Instruments imports.

Figure 6: HSN wise Import of Telecom Instruments (as per value in USD M) in May, 2024



The data from **Figure 7**, **Figure 8** and **Table 2**, shows the landscape of India's Telecom Instruments imports.

Figure 7: HSN wise Imports

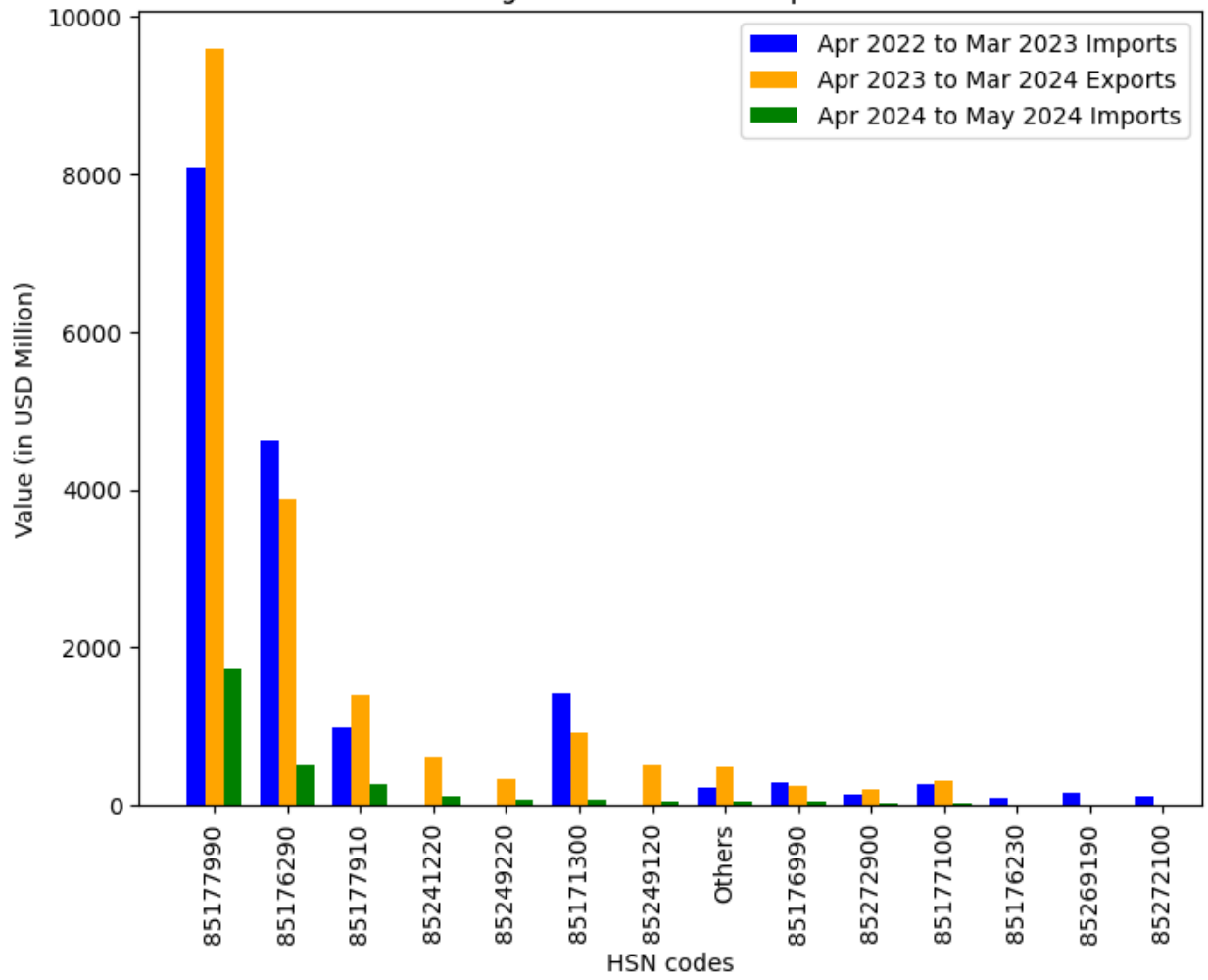


Figure 8: HSN Code and their import value (in USD M) in May, 2024

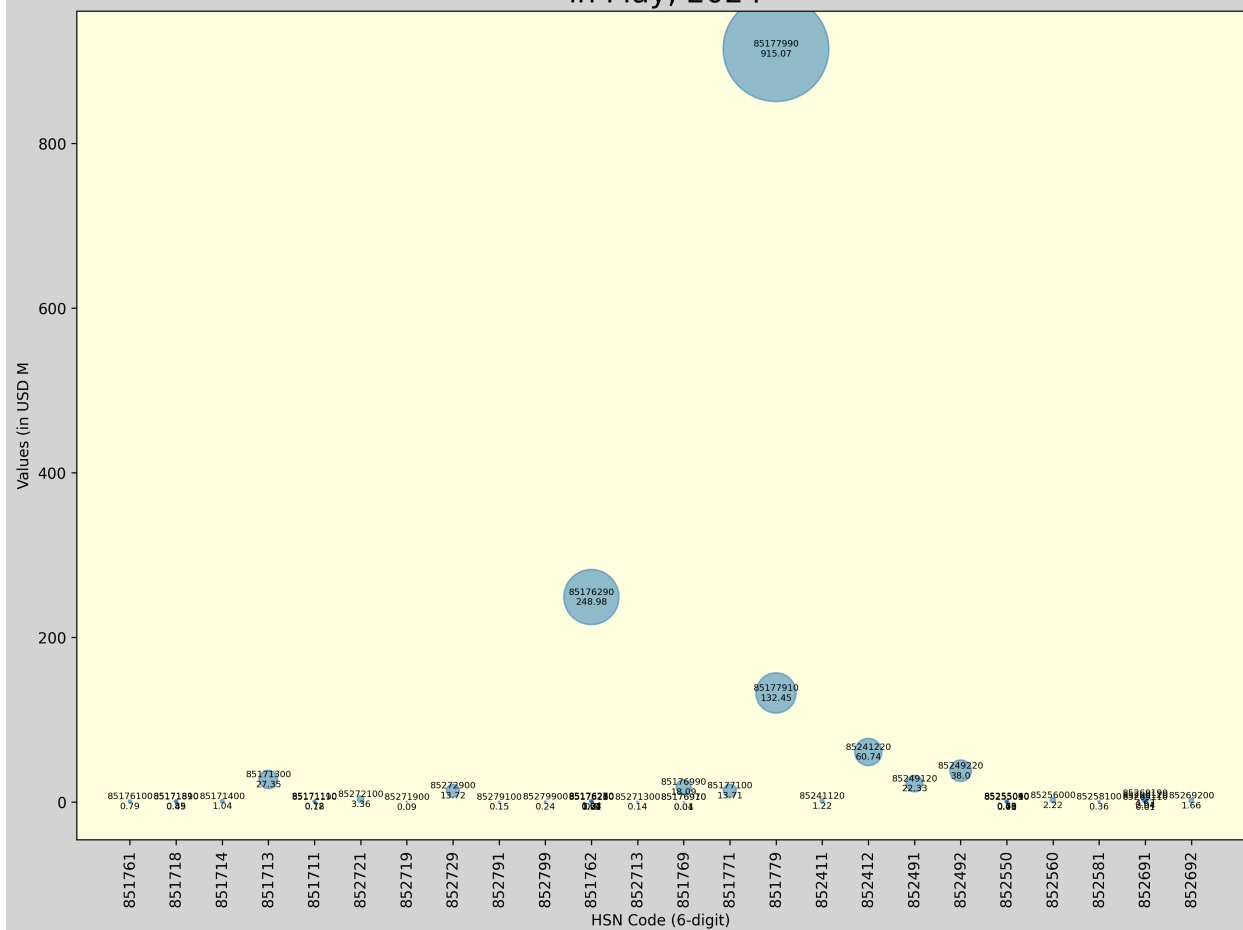


Table 2: HSN wise Telecom Instruments Imports

HSN	Description	Apr.2022.to.Mar.2023	Apr.2023.to.Mar.2024	Apr.2024.to.May.2024
85177990	OTHER	8095.88	9592.87	1717.54
85176290	OTHER	4624.63	3879.47	502.3
85177910	Populated, loaded or stuffed printed circuit boards	972.95	1399.74	268.38
85171300	Smartphones	1410.76	923.6	57.67
85241220	Of organic light-emitting diodes (OLED) : For the goods of sub-heading 8517 13 or 8517 14	NA	605.12	110.24
85249120	Of liquid crystals : For the goods of sub-heading 8517 13 or 8517 14	NA	499.73	48.22
85249220	Of organic light-emitting diodes (OLED) : For the goods of sub-heading 8517 13 or 8517 14	NA	340	75.35
85177100	Aerials and aerial reflectors of all kinds parts suitable for use therewith	257.23	304.06	24
85176990	OTHR APARTUS,FR CARRIER/DIGITAL LINE SYSTM	285.99	250.37	38.21
85272900	OTHR REDIO-BROADCST RCVRS NT CPBL TO OPRT WHTT EXTRNL POWR,USD IN MOTR VHCLS,INCL APPRTS FR RCVNG RADIO-TLPHNY/RADIO-T	132.74	189.24	31.71
85272900	OTHR REDIO-BROADCST RCVRS NT CPBL TO OPRT WHTT EXTRNL POWR,USD IN MOTR VHCLS,INCL APPRTS FR RCVNG RADIO-TLPHNY/RADIO-T	132.74	189.24	31.71
85269190	OTHERS	151.83	150.64	9.95
85272100	RADIO BRDCST RECVR WTH RADIO TELPHONY ETCCMBND WTH SND RECRDNG/REPRDCNG APPRTS, USED MTR VEHCLS, CAN NT OPERATE WTOUT	107.84	90.78	8.71

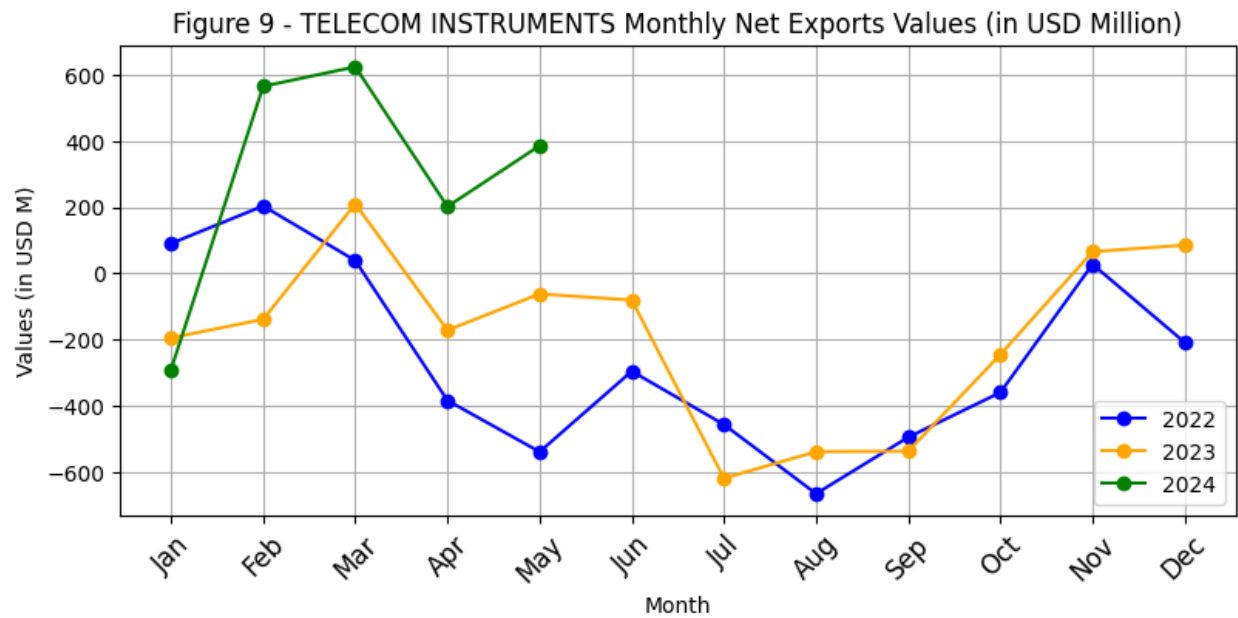
85272100	RADIO BRDCST RECVRS WTH RADIO TELPHONY ETCCMBND WTH SND RECRDNG/REPRDCNG APPRTS, USEDMTR VEHCLS, CAN NT OPERATE WTOUT	107.84	90.78	8.71
85256000	TRANSMISSION APPARATUS INCORPORATING RECEPTION APPARATUS	24.5	39.11	4.49
85269200	OTHER RADIO REMOTE CONTROL APPARATUS	23.18	27.45	2.58
85241120	Of liquid crystals : For the goods of sub-heading 8517 13 or 8517 14	NA	18.26	2.46
85255030	BROADCAST EQUIPMENT SUB-SYSTEM	7.99	17.05	1.02
85269120	INSTRUMENT LANDING SYSTEM	6.78	12.47	3.01
85176230	Modems (modulators-demodulators) for xDSL based Wireline Telephony	85.13	11.22	0.36
85171110	PUSH BUTTON TYPE	8.25	8.75	1.02
85279900	OTHER	8.48	8.14	0.5
85255090	OTHER	6.17	7.82	0.63
85171810	PUSH BUTTON TYPE	7.06	7.37	1.57
85171890	OTHER	8.35	6.6	0.95
85171400	Other telephones for cellular networks or for other wireless networks	8.64	6.49	2.12
85176210	PLCC EQUIPMENT	3.68	6.26	1.16
85279100	OTHR RADIO BRDCST RECVRS WTH RADIO TELPHNYETC CMBND WTH SND RECRDNG/REPRDCNG APPRTS	7.2	5.82	0.53
85279100	OTHR RADIO BRDCST RECVRS WTH RADIO TELPHNYETC CMBND WTH SND RECRDNG/REPRDCNG APPRTS	7.2	5.82	0.53
85255040	COMMUNICATION JAMMING EQUIPMENT	2.51	5.62	1.35
85271300	OTHER APARATUS COMBIND WTH SOUND RECORDNG OR REPRODUCNG APARATUS	7.64	5.16	0.28
85176100	BASE STATIONS	20.79	4.88	0.9
85176960	Set top boxes for gaining access to internet for Wireline Telephony	0.65	4.86	0
85269130	DIRECTION FINDING EQUIPMENT	2.07	4.7	0.17
85176270	Multiplexers, statistical multiplexers for PDH based Wireline Telephony	8.3	4.24	1.25
85171190	OTHERS	2.19	3.59	0.2
85258020	DIGITAL CAMERAS	0.57	3.58	NA
85269110	DIRECTION MEASURING EQUIPMENT	0.44	3.22	0.01
85176260	SYNCHRONOUS DIGITAL HIERARCHY SYSTEM (SDH)	4.49	2.99	0.6
85176250	DIGITAL LOOP CARRIER SYSTEM (DLC)	2.2	2.72	0.36
85269150	VHF OMNI RANGE EQUIPMENT	0.97	2.18	0
85258100	Television cameras, digital cameras and video camera recorders High-speed goods	0.77	1.79	0.42
85271900	OTHR RADIO-BROADCAST RECVRS ABLE TO OPRT WTH EXTRNL SOURCE OF POWR ,INCL APPRTS ABLE TO RCV RADIO-TELEPHONY/RADIO TL	2.19	1.55	0.23
85271900	OTHR RADIO-BROADCAST RECVRS ABLE TO OPRT WTH EXTRNL SOURCE OF POWR ,INCL APPRTS ABLE TO RCV RADIO-TELEPHONY/RADIO TL	2.19	1.55	0.23
85255010	RADIO BROADCAST TRANSMITTER	0.92	1.47	0.09
85176910	ISDN TERMINALS	1.43	1.28	0.19
85171290	OTHER	33.37	1.06	NA
85176220	VOICE FREQUENCY TELEGRAPHY	2.42	0.52	0.21
85176920	ISDN TERMINAL ADAPTERS	0.38	0.25	0.01
85176970	ATTACHMENTS FOR TELEPHONES	0.41	0.25	0.05
84433260	FACSIMILE MACHINE	0.04	0.13	0
85249920	Other : For the goods of sub-heading 8517 13 or 8517 14	NA	0.04	NA
85255020	TV BROADCAST TRANSMITTER	0	0.01	0
85176940	X25 PADS	0	0.01	NA
85279200	OTHR RADIO BRDCST RECVRS WTH RADIO TELPHNYETC NT CMBND WTH SOUND RECDNG/ REPRDCNG APPRTS BUT CMBND WTH A C	0.13	0.01	0
85279200	OTHR RADIO BRDCST RECVRS WTH RADIO TELPHNYETC NT CMBND WTH SOUND RECDNG/ REPRDCNG APPRTS BUT CMBND WTH A C	0.13	0.01	0
85269140	NON DIRECTIONAL BEACON	0.06	0	NA
85271200	POCKET-SIZE RADIO CASSETTE PLAYERS	0.01	0	0
85171219	MOBILE PHONES, PUSH BUTTON TYPE	0	0	NA

85171211	MOBILE PHONES, OTHER THAN PUSH BUTTON TYPE	0	0	NA
85258010	TELEVISION CAMERAS	0	0	NA
85241920	Other : For the goods of sub-heading 8517 13 or 8517 14	NA	0	0
85195000	TELEPHONE ANSWRNG MCHNS	0	NA	NA

4 Net Exports Analysis:

4.1 Total Net Export Value:

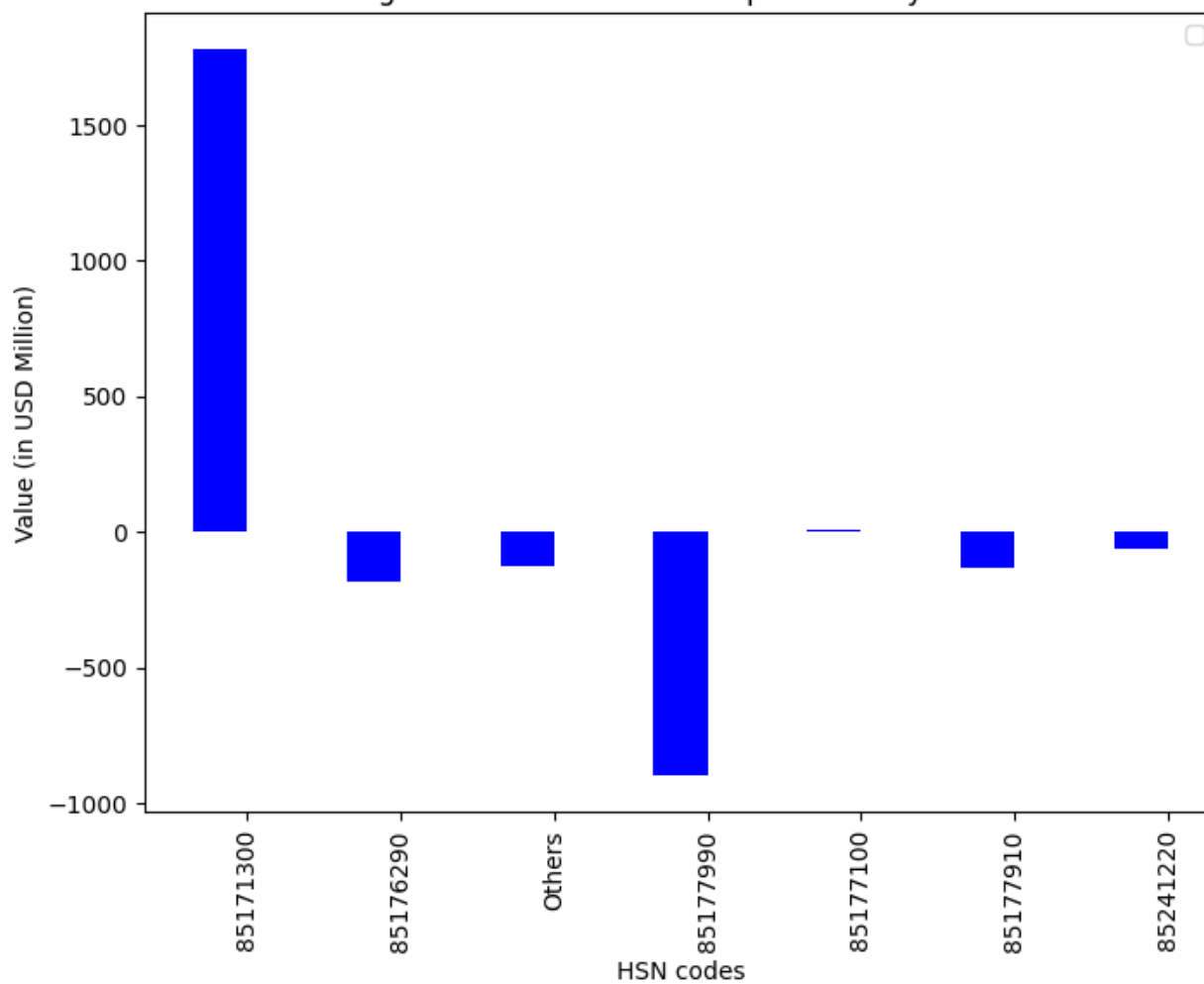
India's Telecom Instruments net export value in **5, 2024**, standing at **USD 0.3855 billion**. The below line chart shows monthly net export (in USD Million) for Telecommunication Equipment sector.



4.2 Net Exports by Product Category (HSN wise):

The below bar plot shows HSN wise net exports in **5, 2024**.

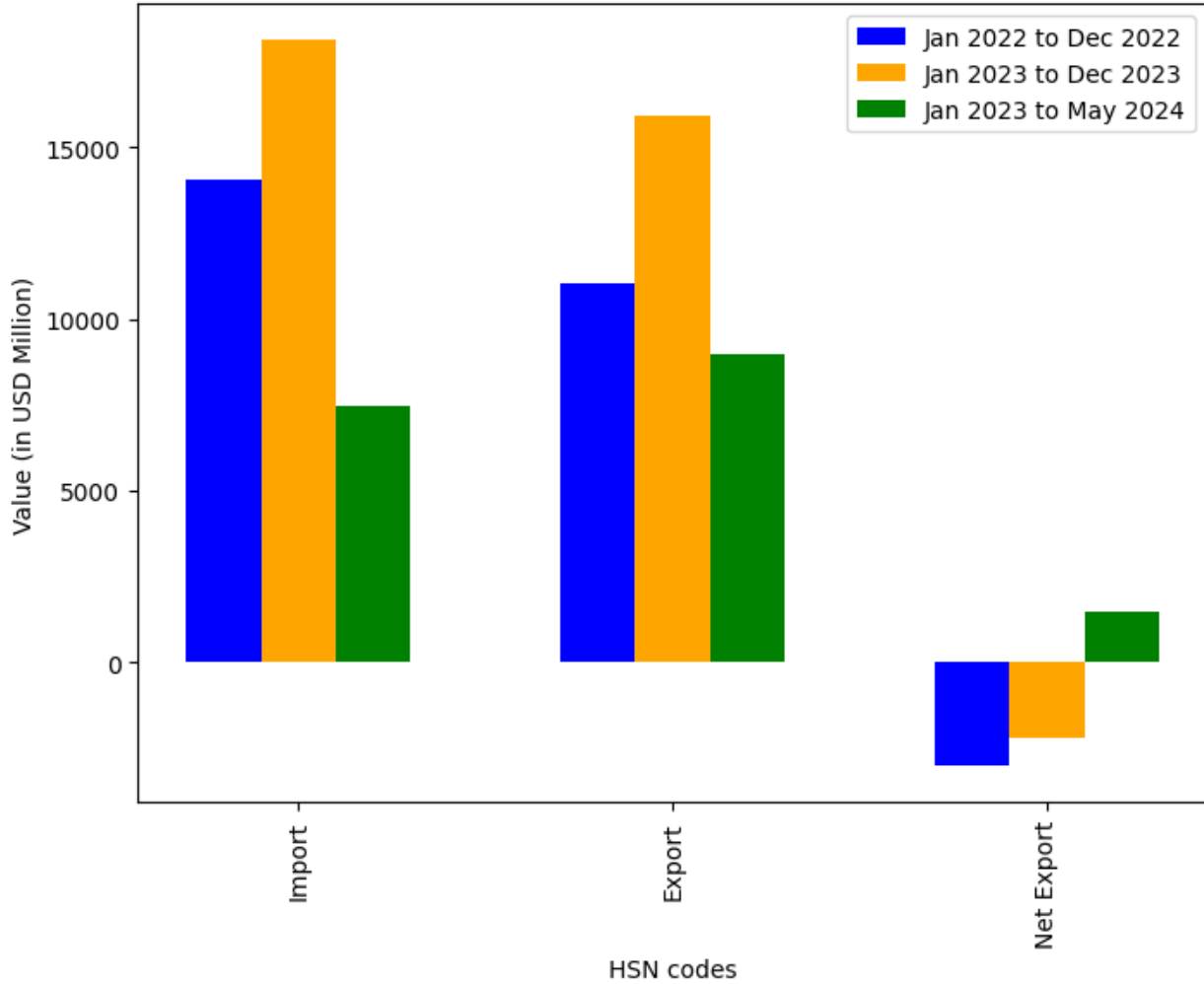
Figure 10: HSN wise Net Exports in May 2024



5 Conclusion:

The below bar chart shows Import, Export and Net Exports from 1, 2022 till 5, 2024.

Figure 11: Imports, Exports, and Net Exports for TELECOM INSTRUMENTS



As India continues to assert its presence in the global telecommunications landscape, these positive developments serve as encouraging indicators of the sector’s evolving competitiveness and its capacity to navigate complex trade dynamics. Moving forward, sustained efforts towards bolstering export capabilities and fostering innovation will be paramount in further strengthening the sector’s position on the international stage.

Note: This report is based on open data provided by the Department of Commerce, Ministry of Commerce & Industry, Government of India. MAIT has not changed any data or made any assumptions.