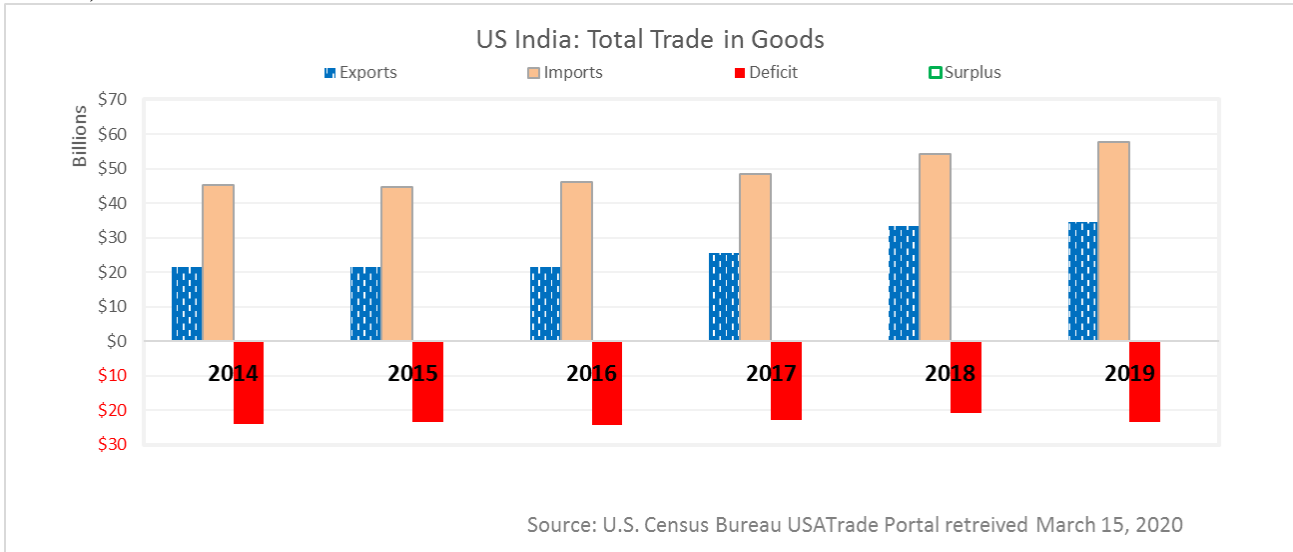




US Trade with India Overall Trends

I. Total U.S. Trade in Goods with India

In 2019, U.S. exports to India totaled \$34.4 billion, a 2.7% (\$0.9 billion) increase from 2018; U.S. imports from India totaled \$57.7 billion, a 6.1% (\$3.3 billion) increase; and the trade deficit was \$23.3 billion, a 11.6% (\$2.4 billion) increase.



In 2019, 2.1% of total U.S. exports were shipped to India while 2.3% of total U.S. Imports were delivered from India. In 2019, the level of U.S. exports to, and U.S. imports from India exceeded the prior five-year average level by value not adjusted for inflation and the U.S. trade deficit with India is also exceeded the prior five-year average level by value not adjusted for inflation.

	2014	2015	2016	2017	2018	2019	2014-2018 Average
EXPORTS	\$21,499.1	\$21,452.9	\$21,647.2	\$25,648.3	\$33,502.8	\$34,409.6	\$24,750.0
Δvalue	--	-\$46.2	\$194.3	\$4,001.1	\$7,854.5	\$906.8	
Δpct	--	-0.2%	0.9%	18.5%	30.6%	2.7%	
IMPORTS	\$45,358.0	\$44,782.7	\$46,024.2	\$48,549.7	\$54,349.3	\$57,665.5	\$47,812.8
Δvalue	--	-\$575.3	\$1,241.6	\$2,525.5	\$5,799.5	\$3,316.2	
Δpct	--	-1.3%	2.8%	5.5%	11.9%	6.1%	
BALANCE	(\$23,858.9)	(\$23,329.7)	(\$24,377.1)	(\$22,901.5)	(\$20,846.5)	(\$23,255.9)	(\$23,062.7)
Δvalue	--	\$529.1	(\$1,047.3)	\$1,475.6	\$2,055.0	(\$2,409.4)	
Δpct	--	-2.2%	4.5%	-6.1%	-9.0%	11.6%	

Values in Millions of U.S. Dollars. Source: U.S. Census Bureau USATrade Portal March 15, 2020



US Trade with India Overall Trends

In 2019, of the \$34.4 billion in U.S. exports to India, the top commodity sectors were Minerals (24.2%), Stone, Glass, & Semiprecious Metals (19.0%), and Chemicals, Plastics, and Leather products (15.1%).

In 2019, of the \$57.7 billion in U.S. imports from India, the top commodity sectors were Chemicals, Plastics, and Leather products (23.4%), Stone, Glass, & Semiprecious Metals (19.9%), and Textile and Footwear (15.5%).

Imports from India by Sector	India Commodity Trade 2019	US exports to India by Sector
\$57,665,475,404	Total Value All Commodities	\$34,409,589,669
8.5%	Agriculture (Chapters 01-24)	4.4%
6.5%	Minerals (Chapters 25-27)	24.2%
23.4%	Chemicals, Plastics, Leather (Chapters 28-43)	15.1%
0.8%	Wood Products (Chapters 44-49)	2.8%
15.5%	Textiles and Footwear (Chapters 50-67)	2.3%
19.9%	Stone, Glass, & Semiprecious Metals (Chapters 68-71)	19.0%
5.1%	Base metals (Chapters 72-83)	4.5%
10.0%	Machinery (Chapters 84-85)	11.5%
5.0%	Transportation (Chapters 86-89)	8.9%
0.9%	Optical, Measuring, Medical or Other Instruments (Chapters 90-92)	4.6%
0.1%	Arms & Ammunition (Chapter 93)	0.5%
2.1%	Miscellaneous Manufactured Items (Chapters 94 -96)	0.2%
0.6%	Art & Antiques (Chapter 97)	0.1%
1.6%	Special Items (Chapters 98-99** Imports only 99)	1.8%

Source: U.S. Census Bureau USATrade Portal retrieved March 20, 2020



II. Exports to India subject to US Government Filing Requirements

In 2019, of the \$34.4 billion in U.S. exports to India:

- 1.9% were subject to a BIS license requirement:
 - 0.7% were exported under a BIS license; Worldwide, 0.4% were exported under a BIS license.
 - 1.2% were exported under a BIS license exception; Worldwide, 1.0% were exported under a BIS license exception.
- 7.5% were exported under No License Required with an ECCN and NLR for .y 600-series items:
 - 7.4% were exported under No License Required with an ECCN; Worldwide, 12.1% were exported under No License Required with an ECCN.
 - 0.04% were exported under NLR for .y 600-series items; Worldwide, 0.02% were exported under NLR for .y 600-series items.

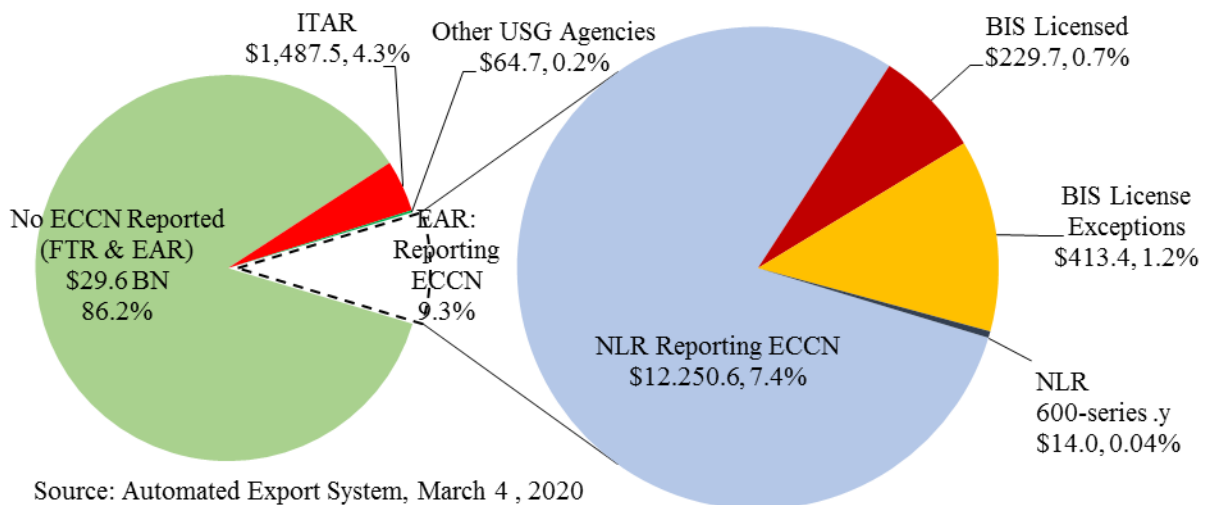
India		2017	2018	2019
Department of State		\$805.6	\$364.5	\$1,487.5
Other USG Agencies		\$41.9	\$38.0	\$64.7
Department of Commerce		\$24,800.8	\$33,100.4	\$32,857.4
	BIS Licensed	\$128.2	\$180.2	\$229.7
	BIS License Exceptions	\$323.5	\$270.8	\$413.4
	NLR reporting an ECCN	\$2,528.9	\$3,621.0	\$2,552.8
	NLR not reporting an ECCN	\$21,812.7	\$29,014.3	\$29,647.6
	600-Series ".Y" Paragraph NLR	\$7.6	\$14.0	\$14.0

Values in Millions of U.S. Dollars. Source: Automated Export System April 1, 2020

Reasons for Control	Chemical and Biological Weapons			Nuclear Nonproliferation		National Security		Missile Tech	Regional Stability		Firearms Convention	Crime Control			Anti-Terrorism	
	CB:1	CB:2	CB:3	NP:1	NP:2	NS:1	NS:2	MT:1	RS:1	RS:2	FC:1	CC:1	CC:2	CC:3	AT:1	AT:2
India	X			X		X		X	X							

CFR 15 Part 738 Supplement 1

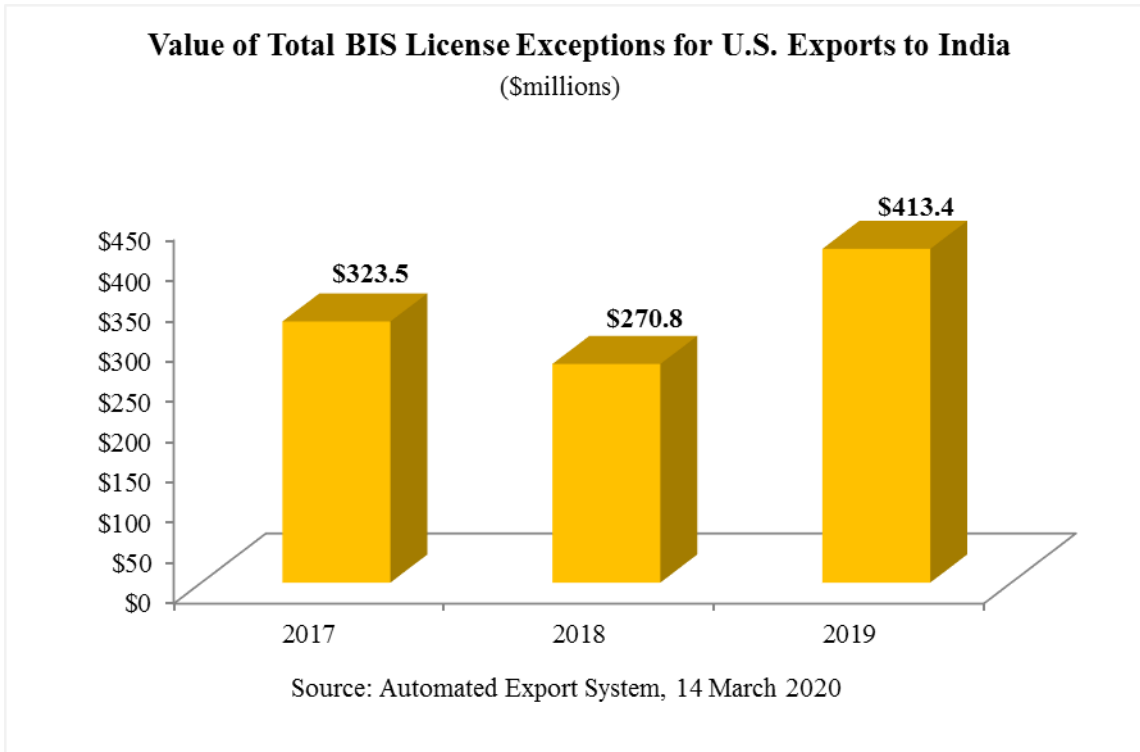
2019 U.S. Exports to India: Export Authorizations by Regulatory Authority Smillion



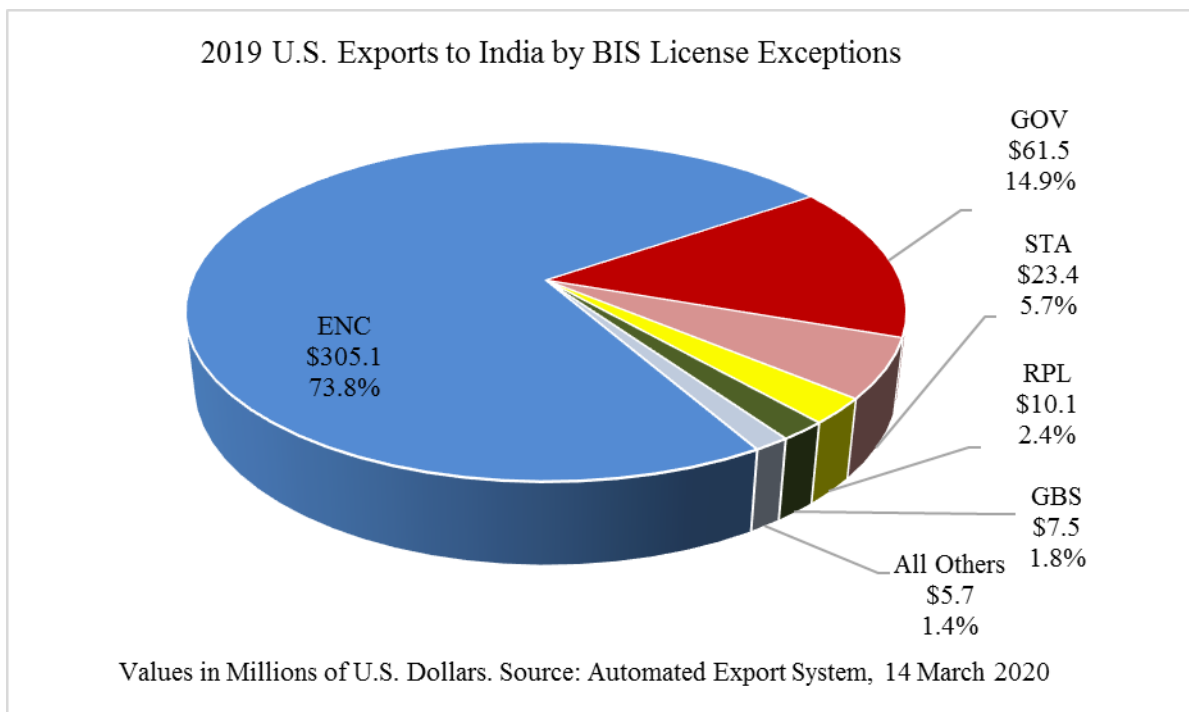


US to India Export Trade Trends

In 2019, U.S. exports to India shipped under a BIS license exception totaled \$413.4 million, a 52.7% (\$142.6 million) increase from 2018.



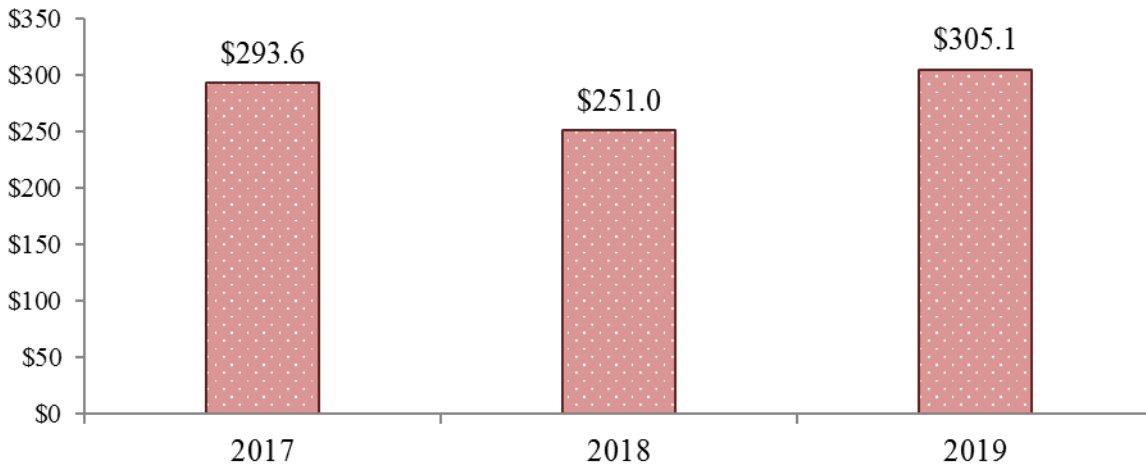
In 2019, the top license exception Encryption Commodities, Software and Technology (ENC) totaled \$305.1 million (73.8% of all license exceptions), followed by Governments, International Organizations (GOV) at \$61.5 million (14.9%) and Strategic Trade Authorization (STA) at \$23.4 million (5.7%).





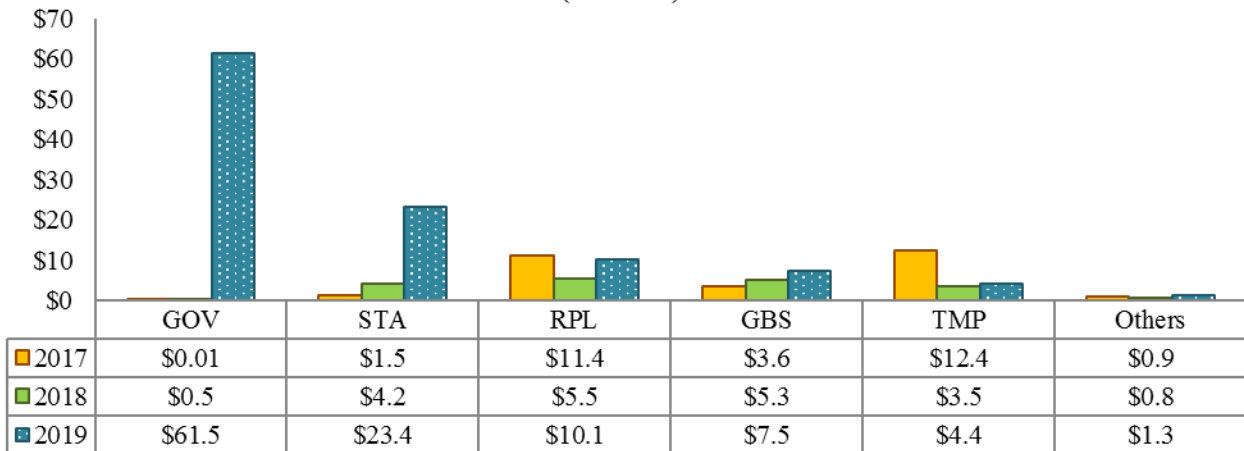
US to India Export Trade Trends

U.S. Exports to India under BIS License Exception: Encryption Commodities & Software
(\$millions)



Values in Millions of U.S. Dollars. Source: Automated Export System, 14 March 2020

U.S. Exports to India under BIS License Exceptions Excluding License Exception for Encryption
(\$millions)



Values in Millions of U.S. Dollars. Source: Automated Export System, 14 March 2020



Top Ten ECCNs by Value to India (\$millions)		
LICENSED	#1	9A515 Spacecraft and Related Commodities
	#2	9A610 Military Aircraft and Related Commodities
	#3	9B610 Test, Inspection, and Production Equip. and Related Commodities Specia...
	#4	3A001 Electronic Components
	#5	3A611 Military Electronics
	#6	3A233 Mass Spectrometers
	#7	9A619 Military Gas Turbine Engines and Related Commodities
	#8	5A002 Systems/Equip./Integrated Circuits for Info Sec
	#9	2B001 Machine tools/Numerical Control Units
	#10	2B201 Machine tools for Removing Or Cutting Metals

Top Ten ECCNs by Value to India (\$millions)		
EXCEPTIONS	#1	5A002 Systems/Equip./Integrated Circuits for Info Sec
	#2	9A610 Military Aircraft and Related Commodities
	#3	9B610 Test, Inspection, and Production Equip. and Related Commodities Specia...
	#4	9A515 Spacecraft and Related Commodities
	#5	3A001 Electronic Components
	#6	5B002 "Information Security" Test, Inspection and "Production" Equipment
	#7	9A619 Military Gas Turbine Engines and Related Commodities
	#8	5D002 "Software" as follows (see List of Items Controlled)
	#9	3A611 Military Electronics
	#10	7A103 Instrumentation, Navigation Equip./Systems Not

Top Ten ECCNs by Value to India (\$millions)		
NLR with ECCN	#1	EAR99 Items subject to the EAR that are not elsewhere controlled
	#2	9A991 Aircraft N.E.S. and Gas Turbine Engines not Controlled by 9A001 or 9A101...
	#3	5A992 Equipment not controlled by 5A002
	#4	5A991 Telecommunication Equip. Not Controlled by 5A001
	#5	1C999 Specific Materials, N.E.S., as Follows (See List of Items Controlled)...
	#6	7A994 Other Navigation Direction Finding Equip. ... Not Controlled under 7A003
	#7	3A999 Specific Processing Equip., N.E.S.
	#8	5C991 Preforms of Glass Or of Any Other Material Optimized for the Manufactu...
	#9	3A992 General Purpose Electronic Equip. Note Controlled by 3A002
	#10	2B991 Numerical Control Units for Machine tools and "Numerically Controlled"...

Source: U.S. Custom & Border Protection, Electronic Export Information Filings, April 8, 2020
 Note: ECCN descriptions have been truncated: please review Commerce Control List for full description



Top Ten ECCNs to India by Shipment Count		
LICENSED	#1	9A610 Military Aircraft and Related Commodities
	#2	9B610 Test, Inspection, and Production Equip. and Related Commodities Specia...
	#3	9A515 Spacecraft and Related Commodities
	#4	3A611 Military Electronics
	#5	9A619 Military Gas Turbine Engines and Related Commodities
	#6	5A002 Systems/Equip./Integrated Circuits for Info Sec
	#7	3A001 Electronic Components
	#8	3A233 Mass Spectrometers
	#9	1C351 Human and Animal Pathogens and toxins
	#10	1C202 Alloys other than those controlled by 1C002.b.3 or 1C002.b.4 as follows ...

Top Ten ECCNs to India by Shipment Count		
EXCEPTIONS	#1	5A002 Systems/Equip./Integrated Circuits for Info Sec
	#2	9A610 Military Aircraft and Related Commodities
	#3	9B610 Test, Inspection, and Production Equip. and Related Commodities Specia...
	#4	"Information Security" Test, Inspection and "Production" Equipment
	#5	EAR99 Items subject to the EAR that are not elsewhere controlled
	#6	3A001 Electronic Components
	#7	4A001 Ruggedized Electronic Computers/Related Equip.
	#8	"Sortware" as follows (see List of Items Controlled)
	#9	7A103 Instrumentation, Navigation Equip./Systems Not
	#10	3A611 Military Electronics

Top Ten ECCNs to India by Shipment Count		
NLR with ECCN	#1	EAR99 Items subject to the EAR that are not elsewhere controlled
	#2	9A991 Aircraft N.E.S. and Gas Turbine Engines not Controlled by 9A001 or 9A101...
	#3	5A992 Equipment not controlled by 5A002
	#4	4A994 Computers Not Controlled By 4A001 or 4A003
	#5	5A991 Telecommunication Equip. Not Controlled by 5A001
	#6	7A994 Other Navigation Direction Finding Equip. ... Not Controlled under 7A003
	#7	3B991 Other Mfg/Test Equip. Not Controlled By 3B
	#8	3A991 Electronic Devices and "Components" not controlled by 3A001
	#9	3A992 General Purpose Electronic Equip. Note Controlled by 3A002
	#10	3A999 Specific Processing Equip., N.E.S.

Source: U.S. Custom & Border Protection, Electronic Export Information Fillings, April 8, 2020
 Note: ECCN descriptions have been truncated: please review Commerce Control List for full description

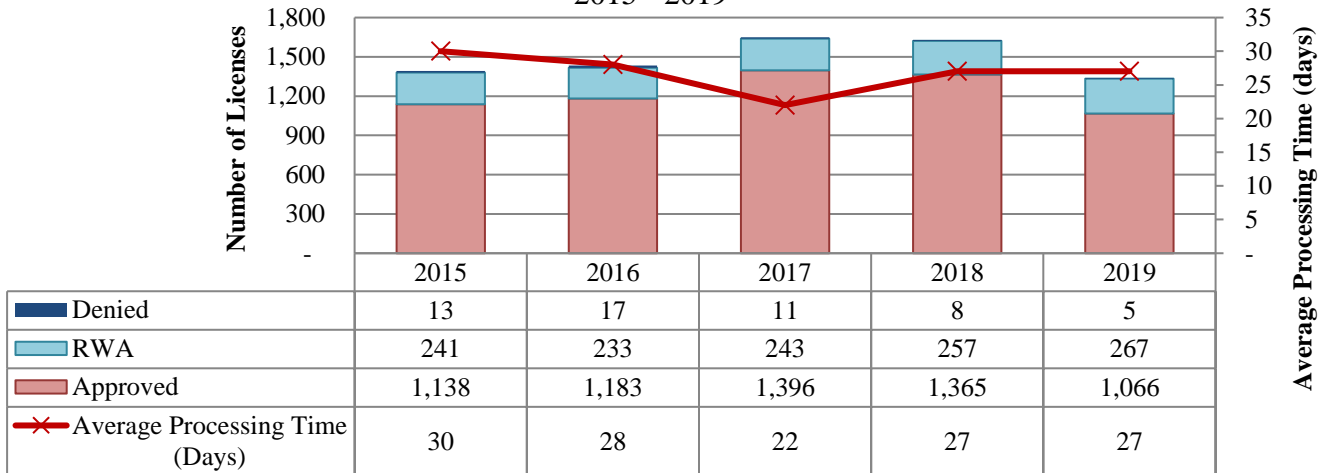


III. BIS Licensing to India

In 2019, BIS reviewed 1,338 export/re-export applications (not including deemed export applications) valued at \$1.4 billion for India, out of a total of 32,993 applications worldwide for tangible items, software and technology valued at \$158 .8billion.

– Approved applications for India totaled 1,066 (79.7% of the total applications) for \$1.1 billion, compared to the 28,223 (85.5%) approved applications for all destinations valued at \$123.0 billion.

**Licenses for Tangible Items, Software and Technology for India
by Count**
(Excluding Deemed Exports)
2015 - 2019



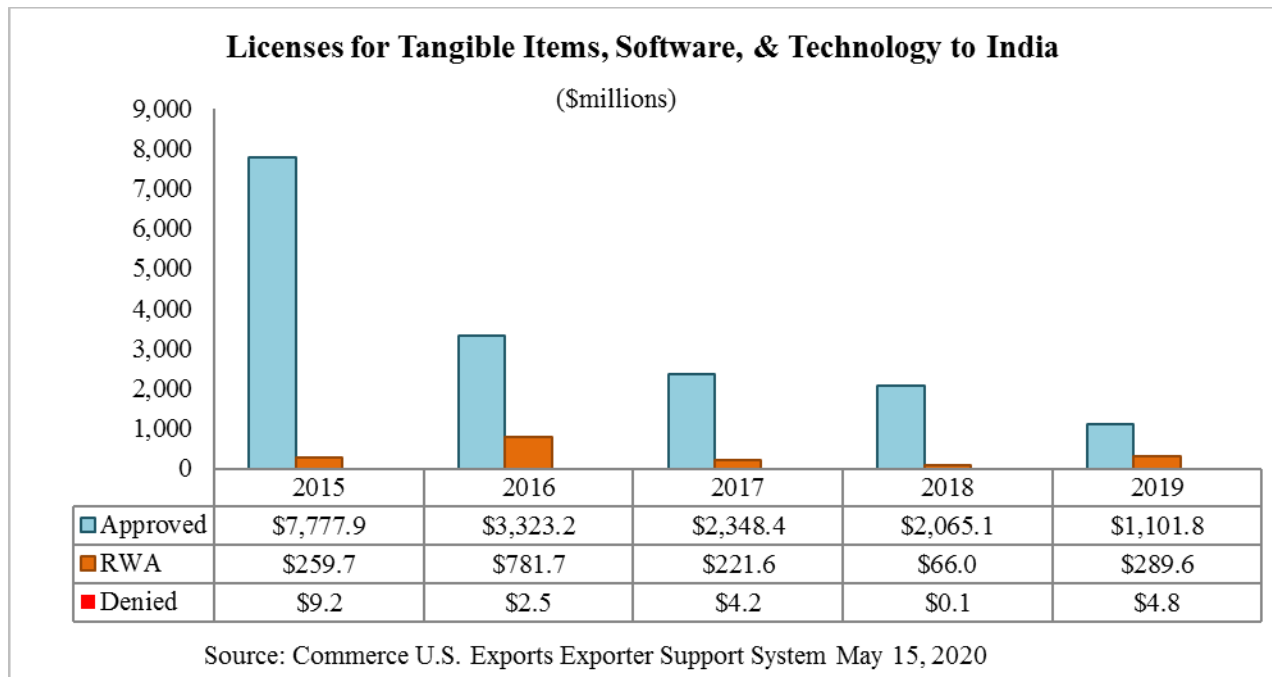
Source: Commerce U.S. Exports Exporter's Support System: May 15, 2020

India is the top third destination for Deemed Exports after China and Iran. In 2019, BIS approved 67 (77.0% of total applications from India and 6.0% of the total approved) licenses for Deemed Exports, compared to 1,124 (85.2%) approved for all destinations.

In the last five years, there were no denials for Deemed Export applications for Indian nationals.

Deemed Export Licenses for Indian Nationals 2015 -2019						
	Approved	RWA	Denied	Total	World Approved	% of India/World Approved
2015	108	9	0	117	1,268	8.5%
2016	50	8	0	58	1,377	3.6%
2017	79	7	0	86	1,394	5.7%
2018	77	14	0	91	824	9.3%
2019	67	20	0	87	1,124	6.0%

Source: Commerce U.S. Exports Exporter Support System, retrieved April 7, 2020



Top Ten Approved (with deemed) ECCNs to India by Count		2015	2016	2017	2018	2019	% of World Total 2019
APPROVED	#1 9A610 Military Aircraft and Related Commodities	75	92	140	132	145	2.9%
	#2 9A515 Spacecraft and Related Commodities	104	115	168	169	144	31.4%
	#3 1C351 Human and Animal Pathogens and toxins	64	77	93	139	128	13.1%
	#4 3A611 Military Electronics	114	96	130	119	73	3.2%
	#5 3A001 Electronic Components	55	64	64	83	71	6.4%
	#6 2B201 Machine tools for Removing Or Cutting Metals	22	16	23	47	70	32.0%
	#7 9E610 Technology Required for the Development, Productio...	67	77	77	70	67	5.1%
	#8 9E515 Technology Required for the Development, Productio...	34	37	69	64	58	13.7%
	#9 5D002 "Sortware" as follows (see List of Items Controlled)	79	80	84	76	50	11.3%
	#10 3A233 Mass Spectrometers	33	56	92	101	49	6.7%

Source: Commerce U.S. Exports Exporter Support System May 15, 2020

Note: ECCN Descriptions have been truncated: please review Commerce Control List for Full Description

Denied (with deemed) ECCNs to India by Count		2019	% of World Total 2019
Denied	#1 9A610 Military Aircraft and Related Commodities	2	9.5%
	#2 3A001 Electronic Components	1	2.0%
	#3 5D991 Software for Dev/Prod/use of Equip. Controlled by 5A991/5B991	1	25.0%
	#4 9E610 Technology Required for the Development, Production Operation, Install...	1	50.0%
	#5		

Source: Commerce U.S. Exports Exporter Support System May 15, 2020

Note: ECCN Descriptions have been truncated: please review Commerce Control List for full description



US Exports to India Summary

Summary of U.S. Exports to India Calendar Year 2019				
	CY2019	CY2018	% of Total Exports	Percentage Change from previous year
Total Exports	\$34,409,589,669	\$33,502,791,835		2.7%
Subject to ITAR	\$1,487,487,965	\$364,456,418	4.3%	308.1%
Subject to Other Gov. Agencies	\$64,661,154	\$37,975,297	0.2%	70.3%
Detailed Summary of EAR-Controlled Exports				
AES License Type	Description	Value	Percentage of Total	Percentage Description
C30	Licenses	\$229,728,033	100.0%	
VDC	Voluntary Disclosure			
Total of Licensed		\$229,728,033	0.7%	total licensed/total exports
C35	LVS	\$53,027	0.01%	
C36	GBS	\$7,543,200	1.8%	
C40	TMP	\$4,363,246	1.1%	
C41	RPL	\$10,122,616	2.4%	
C42	GOV	\$61,492,994	14.9%	
C43	GFT	\$15,304	0.004%	
C44	TSU	\$944,334	0.2%	
C45	BAG	\$15,200	0.004%	
C46	AVS	\$216,341	0.1%	
C50	ENC	\$305,104,964	73.8%	
C53	APP	\$100,042	0.02%	
C59	STA	\$23,389,004	5.7%	
Total of License Exceptions		\$413,360,272	1.2%	total license exceptions/total exports
			64.3%	total license exceptions/total subject to license requirement
Total subject to license requirement (Licensed and License Exceptions)		\$643,088,305	1.9%	total subject to license requirement/total exports
C33	NLR with an ECCN	\$2,552,792,562	7.4%	NLR with an ECCN/total exports
C60	NLR for .y subparagraph 600-series	\$13,998,172	0.04%	NLR for .y subparagraph 600-series/total exports
Total of NLR		\$2,566,790,734	7.5%	total NLR with an ECCN/total export
Exports not reporting an ECCN		\$29,647,561,511	86.2%	

Source: U.S. Census Bureau, Foreign Trade Division and Automated Export System