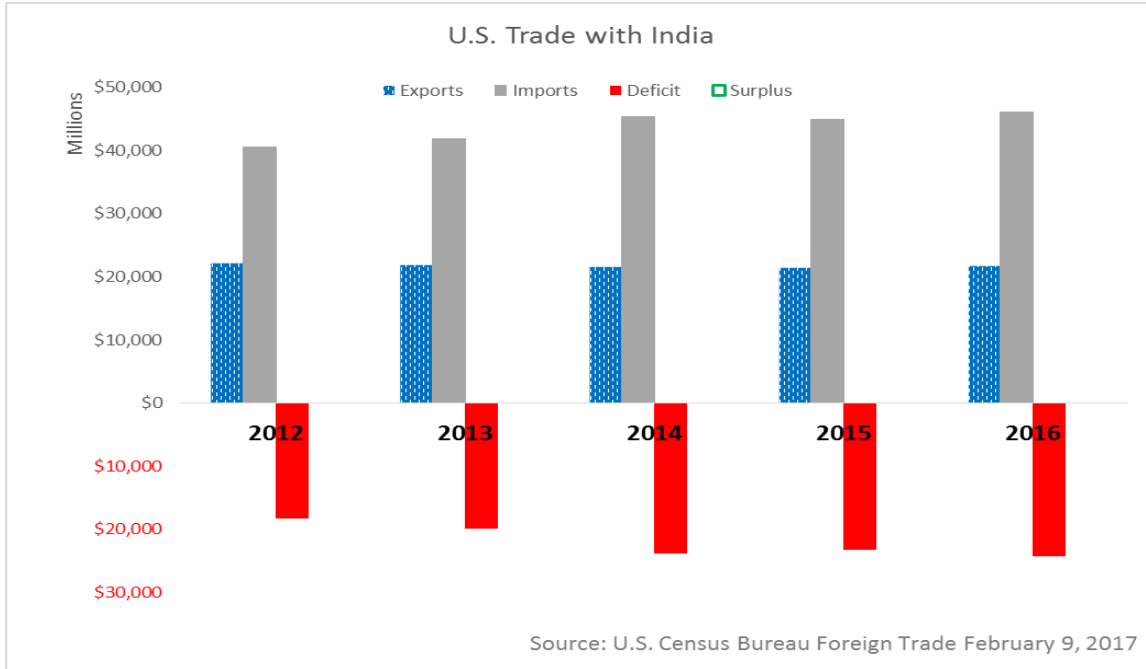




**I. Total U.S. Trade with India**

In 2016, U.S. exports to India totaled \$21.7 billion, a 1.1% (\$237 million) increase from 2015; U.S. imports from India totaled \$46.0 billion, a 2.7% (\$1.2 billion) increase; and the trade deficit was \$24.3 billion, a 4.2% (\$969.7 million) decrease.



	2012	2013	2014	2015	2016	Five-year Average
<b>EXPORTS</b>	<b>\$22,105.7</b>	<b>\$21,810.4</b>	<b>\$21,501.4</b>	<b>\$21,451.9</b>	<b>\$21,689.0</b>	
Δvalue	\$563.6	-\$295.3	-\$309.1	-\$49.5	\$237.1	<b>\$21,717.4</b>
Δpct	2.6%	-1.3%	-1.4%	-0.2%	1.1%	
<b>IMPORTS</b>	<b>\$40,512.6</b>	<b>\$41,810.0</b>	<b>\$45,354.9</b>	<b>\$44,791.6</b>	<b>\$45,998.4</b>	
Δvalue	\$4,358.1	\$1,297.3	\$3,545.0	-\$563.3	\$1,206.8	<b>\$43,117.3</b>
Δpct	15.6%	3.2%	8.5%	-1.2%	2.7%	
<b>BALANCE</b>	<b>(\$18,406.9)</b>	<b>(\$19,999.5)</b>	<b>(\$23,853.6)</b>	<b>(\$23,339.8)</b>	<b>(\$24,309.5)</b>	
Δvalue	\$5,091.9	(\$1,592.6)	(\$3,854.0)	\$513.8	(\$969.7)	<b>(\$21,399.9)</b>
Δpct	34.8%	8.7%	19.3%	-2.2%	4.2%	

Values in Millions of U.S. Dollars. Source: U.S. Census Bureau Foreign Trade February 9, 2017



Of the \$21.7 billion in U.S. exports to India in 2016, the top commodity sectors were Stone, Glass, and Semiprecious Metals (33.1%), Chemicals, Plastics, and Leather Items (16.3%) and Machinery and Mechanical Devices (14.7%).

Of the \$46.0 billion in U.S. imports from India in 2016, the top commodity sectors were Chemicals, Plastics, and Leather Items (25.3%) and Stone, Glass, and Semiprecious Metals (24.7%), and Textiles and Footwear (17.7%).

Imports from India by Sector	U.S. Commodity Trade with India for 2016	US exports to India by Sector
<b>\$45,998,438,286</b>	<b>Total Value All Commodities</b>	<b>\$21,688,959,085</b>
7.58%	Agriculture (Chapters 01-24)	5.37%
5.23%	Minerals (Chapters 25-27)	5.79%
25.32%	Chemicals, Plastics, Leather (Chapters 28-43)	16.27%
0.55%	Wood Products (Chapters 44-49)	3.25%
17.65%	Textiles and Footwear (Chapters 50-67)	3.25%
24.71%	Stone, Glass, & Semiprecious Metals (Chapters 68-71)	33.12%
4.20%	Base Metals (Chapters 72-83)	4.34%
7.34%	Machinery (Chapter 84-85)	14.68%
2.95%	Transportation (Chapters 86-89)	6.25%
0.86%	Optical, Measuring, Medical or Other instruments (Chapters 90-92)	6.06%
0.09%	Arms and Ammunition (Chapter 93)	0.58%
2.00%	Miscellaneous Manufactured Items (Chapter 94-96)	0.38%
0.17%	Art & Antiques (Chapter 97)	0.19%
1.35%	Special Items (Chapters 98-99** imports only 98)	1.72%

Source: US Census Bureau, February 9, 2017



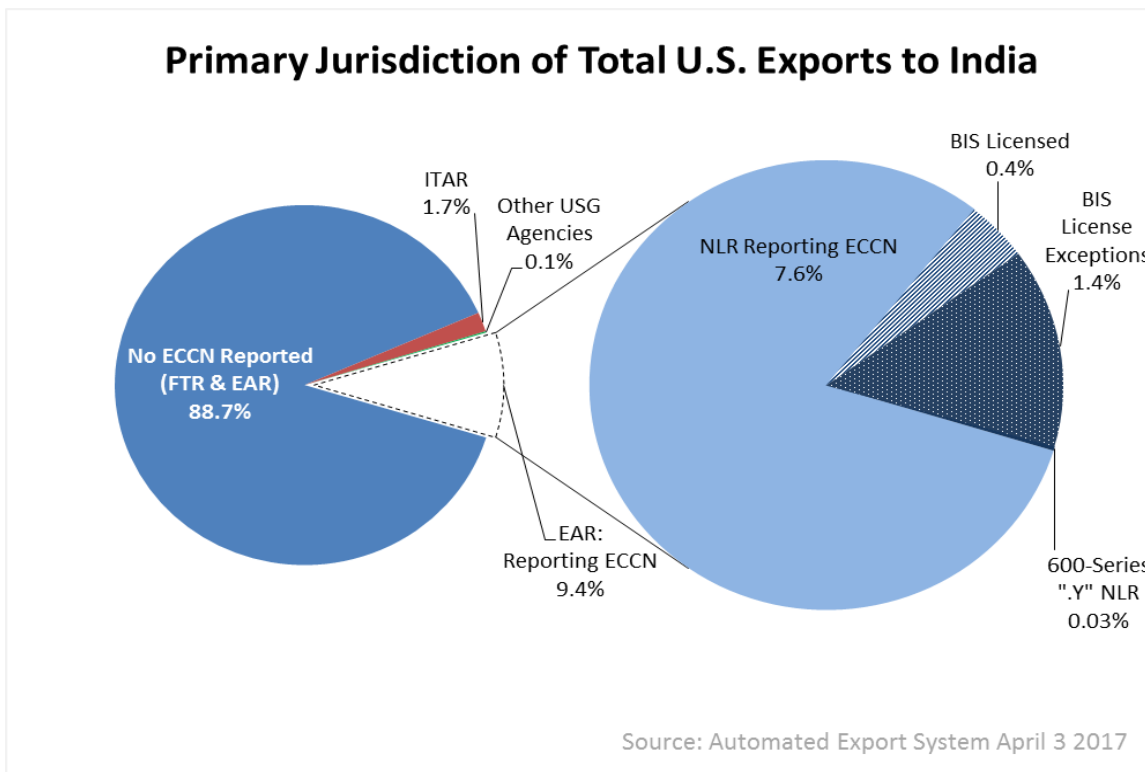
## II. Exports to India subject to US Government Filing Requirements

Of the \$21.7 billion in U.S. exports to India in 2016:

- 1.8% were subject to a BIS license requirement
  - 0.4% were exported under a BIS license; Worldwide, 0.5% were exported under a BIS license.
  - 1.4% were exported under a BIS license exception; Worldwide, 1.6% were exported under a BIS license exception.
- 7.6% were exported under No License Required with an ECCN; worldwide, 12.2% were exported under No License Required with an ECCN.

Exports to India Subject to U.S. Government Filing Requirements			
	2014	2015	2016
<b>Department of State</b>	<b>\$1,615.3</b>	<b>\$551.1</b>	<b>\$378.9</b>
<b>Other USG Agencies</b>	<b>\$40.7</b>	<b>\$18.6</b>	<b>\$25.3</b>
<b>Department of Commerce</b>	<b>\$19,845.4</b>	<b>\$20,882.1</b>	<b>\$21,284.8</b>
BIS Licensed	\$59.5	\$89.5	\$88.4
BIS License Exceptions	\$310.0	\$347.4	\$293.6
NLR reporting an ECCN	\$2,303.9	\$1,504.0	\$1,655.5
NLR not reporting an ECCN	\$17,167.2	\$18,937.6	\$19,241.0
600-Series ".Y" Paragraph NLR	\$4.7	\$3.5	\$6.2

Values in Millions of U.S. Dollars. Source: Automated Export System April 3 2017

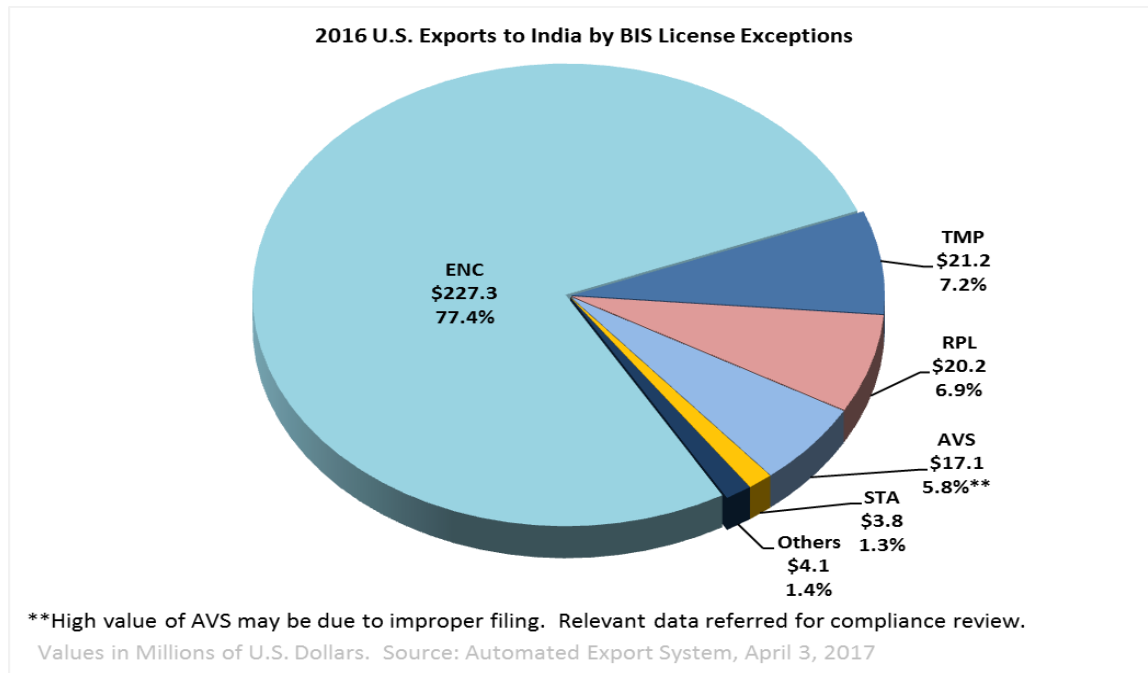
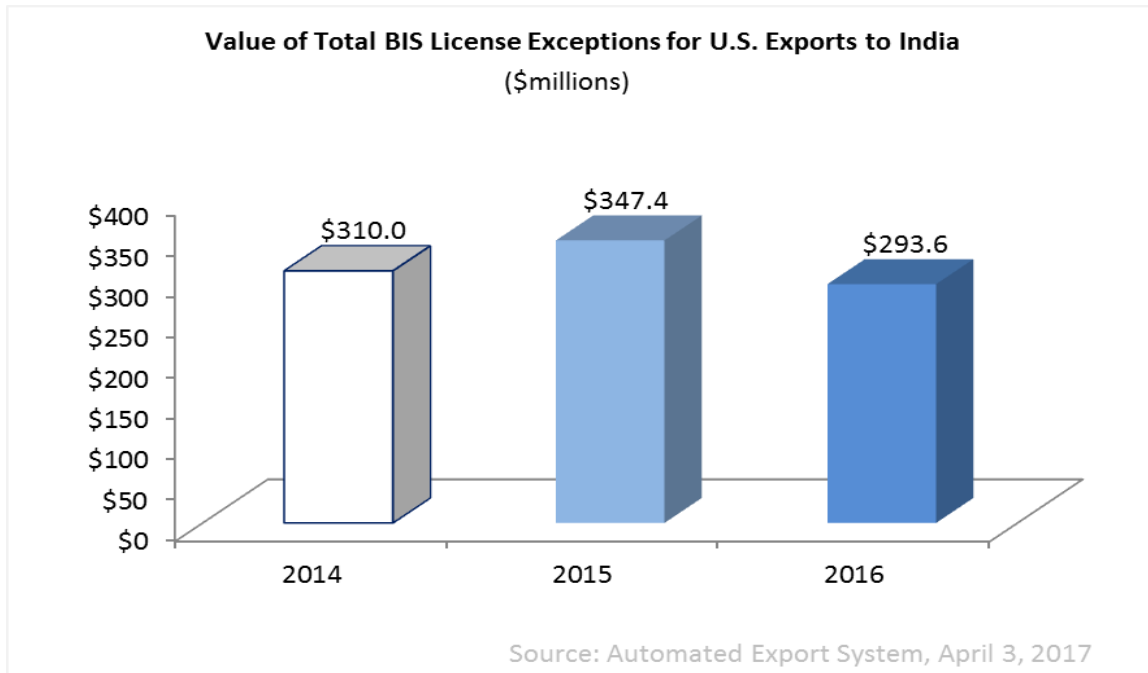


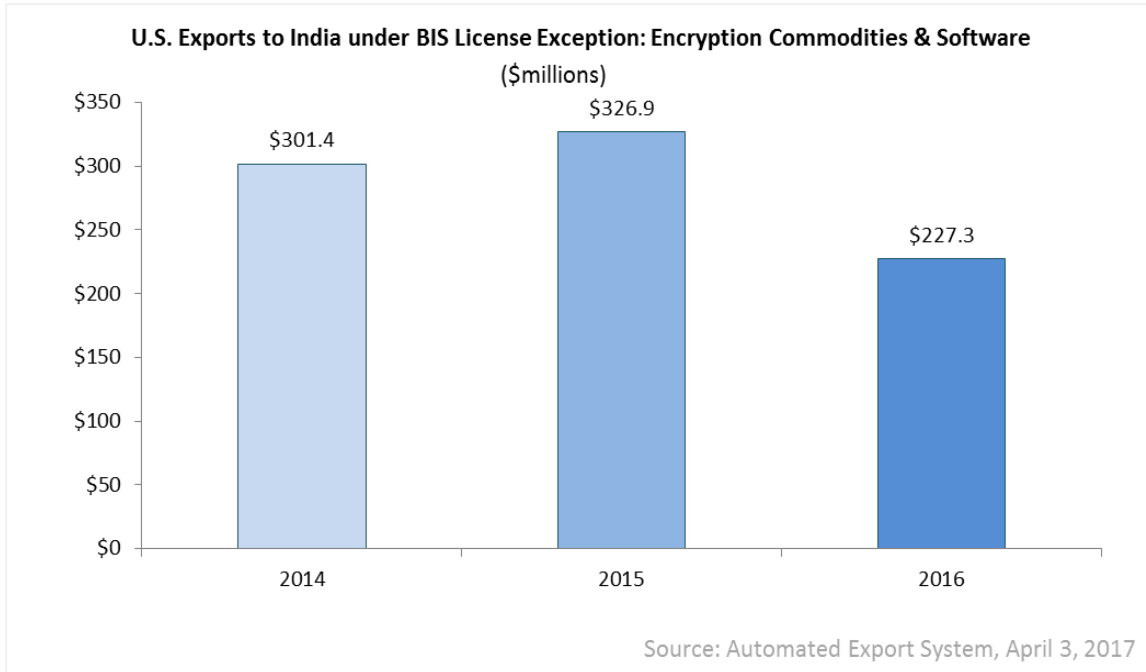


# Analysis of Exports to India subject to US Government Filing Requirements

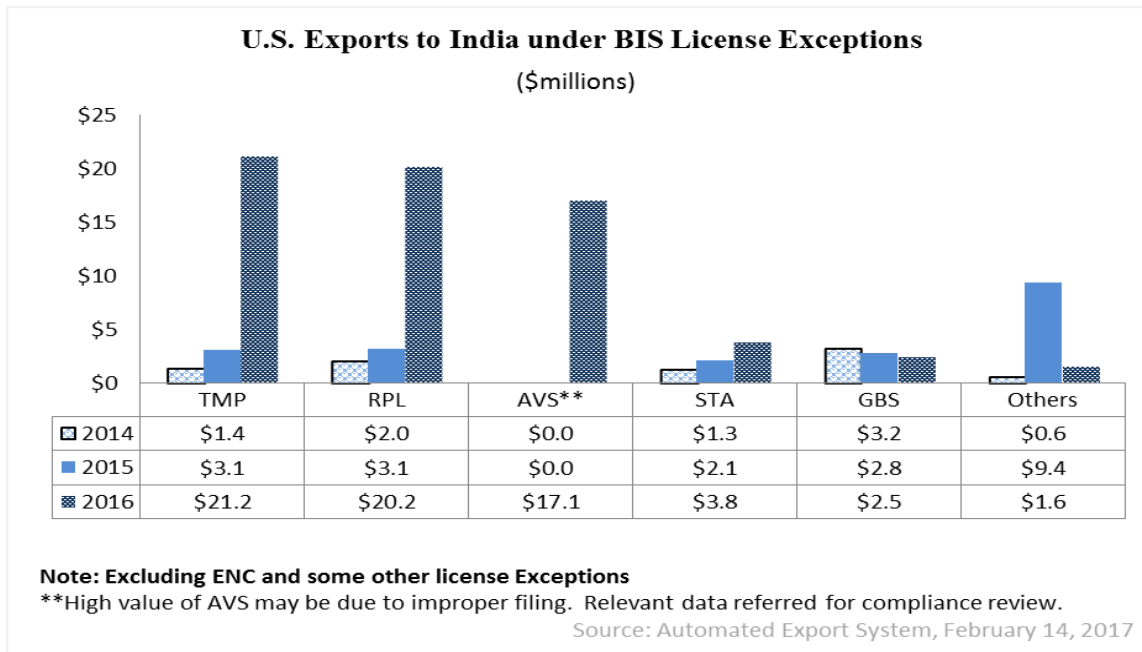
In 2016, U.S. exports to India shipped under a BIS license exception totaled \$293.3 million, a 15.5% (\$53.8 million) decrease from 2015.

The top license exception Encryption commodities, Software and Technology (ENC) totaled \$227.3 million (77.4% of all license exceptions).





U.S. exports to India reported under Aircraft and Vessels (AVS) increased significantly from \$0 in 2015 to \$17.1 million in 2016. This increase was likely due to a misfiling, and has been reported to compliance activity for review.





# Analysis of Exports to India subject to US Government Filing Requirements

Top Ten ECCNs by Value to India (\$millions)	
<b>LICENSED</b>	#1 9A610 Military Aircraft and Related Commodities
	#2 9A515 Spacecraft and Related Commodities
	#3 3A611 Military Electronics
	#4 2B352 Equip. for Handling Biological Materials
	#5 2B104 "Isostatic Presses", Other Than Those Controlled By 2B004, Having All ...
	#6 2A983 Explosives Or Detonator Detection Equip.
	#7 EAR99 Items subject to the EAR that are not elsewhere controlled
	#8 3A233 Mass Spectrometers
	#9 1A004 Protective and Detection Equip.
	#10 1C202 Aluminum and Titanium Alloys In the form of Tubes/

Top Ten ECCNs by Value to India (\$millions)	
<b>EXCEPTIONS</b>	#1 5A002 Systems/Equip./Integrated Circuits for Info Sec
	#2 9A610 Military Aircraft and Related Commodities
	#3 EAR99 Items subject to the EAR that are not elsewhere controlled **
	#4 5D002 Software for Information Security
	#5 8A001 Submersible Vehicles Or Surface Vessels
	#6 5B002 Test/Inspection/Production Equip for Information S
	#7 3A001 Electronic Devices/Components
	#8 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#9 BLANK No ECCN Reported
	#10 6A008 Radar Systems/Equip./assemblies

Top Ten ECCNs by Value to India (\$millions)	
<b>NLR with ECCN</b>	#1 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#2 5A991 Transmission Items Not W/I Parameters In 5A001
	#3 5A992 Information Security Equip.
	#4 4A994 Items Not Controlled By 4A001/4A002/4A003
	#5 5C991 Preforms of Glass Or of Any Other Material Optimized for the Manufactu...
	#6 9A990 Diesel Engines, N.E.S., and Tractors and "Specially Designed" "Parts" ...
	#7 3A999 Specific Processing Equip., N.E.S.
	#8 7A994 Other "Software" as Follows (See List of Items Controlled).
	#9 3A992 General Purpose Electronic Equip.
	#10 1C999 Specific Materials, N.E.S., as Follows (See List of Items Controlled)...

\*\*High value of EAR99 under License Exceptions may be due to improper filing. Relevant data referred for compliance review.



# Analysis of Exports to India subject to US Government Filing Requirements

Top Ten ECCNs to India by Shipment Count	
<b>LICENSED</b>	#1 9A610 Military Aircraft and Related Commodities
	#2 3A611 Military Electronics
	#3 5A002 Systems/Equip./Integrated Circuits for Info Sec
	#4 9A515 Spacecraft and Related Commodities
	#5 1C350 Chemicals, Precursors for toxic Chemical Agents
	#6 2B350 Chemical Manufacturing Facilities and Equip.
	#7 3A001 Electronic Devices/Components
	#8 9E610 Technology Required for the Development, Production Operation, Install...
	#9 3A233 Mass Spectrometers
	#10 9A619 Military Gas Turbine Engines and Related Commodities

Top Ten ECCNs to India by Shipment Count	
<b>EXCEPTIONS</b>	#1 5A002 Systems/Equip./Integrated Circuits for Info Sec
	#2 5D002 Software for Information Security
	#3 3A001 Electronic Devices/Components
	#4 5B002 Test/Inspection/Production Equip for Information S
	#5 9A610 Military Aircraft and Related Commodities
	#6 7A994 Other "Software" as Follows (See List of Items Controlled).
	#7 1C006 Fluids and Lubricating Materials
	#8 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#9 EAR99 Items subject to the EAR that are not elsewhere controlled
	#10 3A611 Military Electronics

Top Ten ECCNs to India by Shipment Count	
<b>NLR with ECCN</b>	#1 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#2 5A992 Information Security Equip.
	#3 5A991 Transmission Items Not W/I Parameters In 5A001
	#4 4A994 Items Not Controlled By 4A001/4A002/4A003
	#5 3A999 Specific Processing Equip., N.E.S.
	#6 3A992 General Purpose Electronic Equip.
	#7 7A994 Other "Software" as Follows (See List of Items Controlled).
	#8 3A991 Electronic Devices and Components
	#9 2B999 Specific Processing Equip., N.E.S.
	#10 1A995 Protective and Detection Equip.



## BIS Licensing to India

### III. Licensing to India subject to US Government Filing Requirements

In 2016, BIS reviewed 1,435 export/re-export applications (not including deemed export applications) valued at \$4.1 billion for India, out of a total of 33,195 applications worldwide valued at \$235.4 billion.

- Approved applications for India totaled 1,185 (82.6% of the total applications) for \$3.3 billion, compared to the 28,214 (85.0%) approved applications for all destinations that totaled \$210.3 billion.

