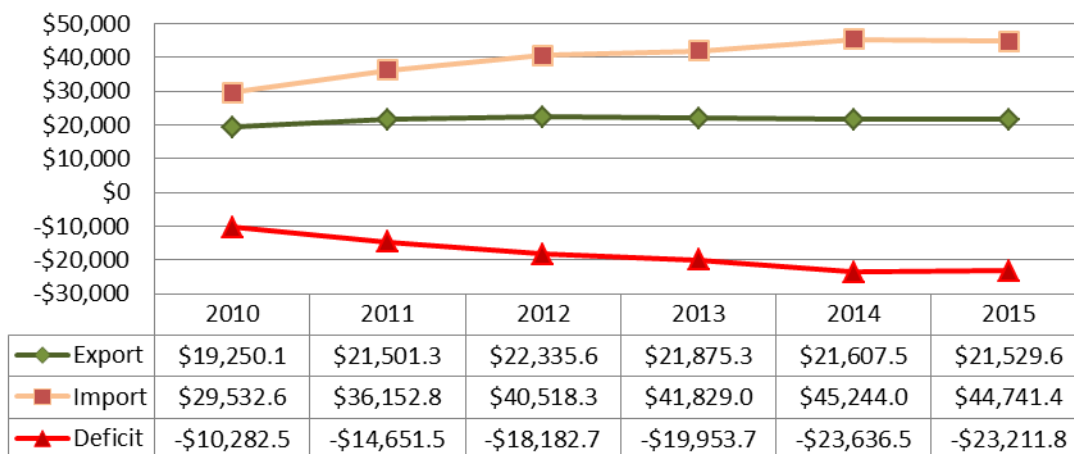


Statistical Analysis of U.S. Trade with India for Calendar Year 2015

I. U.S Trade with India¹

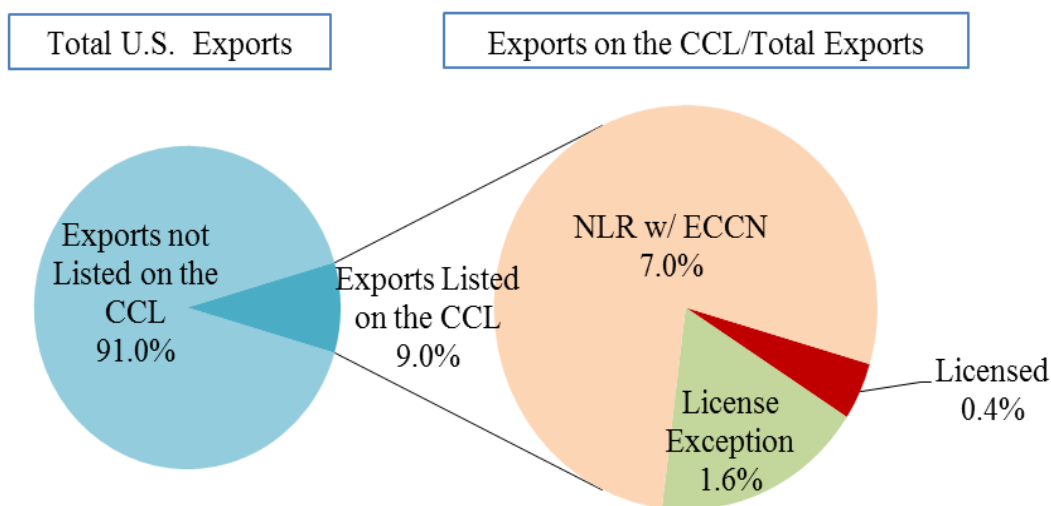
U.S. Trade with India 2010-2015
\$ millions



In 2015, U.S. exports to India were \$21.5 billion, a 0.4% (\$77.9 million) decrease from 2014; U.S. imports from India were \$44.7 billion, a 1.1% (\$502.6 million) decrease; and the trade deficit was \$23.2 billion, a 1.8% (\$424.7 million) decrease.

II. Impact of BIS Export Controls on U.S.- India Trade²

2015 U.S. Exports to India Subject to the CCL



Note: For the purpose of this report, exports not listed on the Commerce Control List (CCL) include EAR99 items and items under No License Required (NLR) designation without an Export Control Classification Number (ECCN), and exports regulated by other government agencies.

¹ Source: U.S. Census Bureau Trade Statistics, February 2016.

² Source: U.S. Census Bureau Trade Statistics and Automated Export System (AES), February 2016.

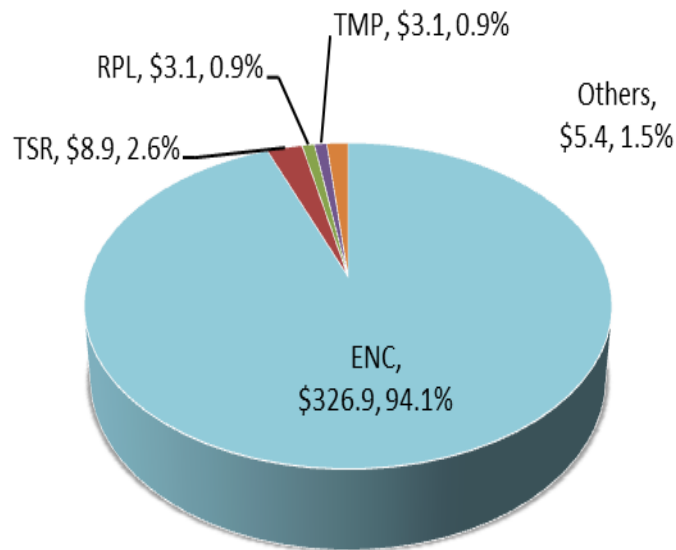
Of the \$21.5 billion in U.S. exports to India in 2015, only 0.4% required a BIS license.

Of the \$1.9 billion in U.S. exports of items listed on the Commerce Control List (CCL)³ to India in 2015, 4.6% required a BIS license.

Of the \$436.7 million in U.S. exports subject to a BIS license requirement to India in 2015, 79.6% were exported under a BIS license exception.

In 2015, exports to India shipped under a BIS license exception valued \$347.4 million, of which, 94.1% included encryption commodities, software and technology (ENC), followed by Restricted Technology and Software (TSR) at 2.6% and Replacement Parts (RPL) at 0.9%.

2015 U.S. Exports to India by BIS License Exceptions \$millions



ENC	Encryption Commodities, Software and Technology
TSR	Technology and Software Restricted
RPL	Servicing and Replacement of Parts and Equipment
TMP	Temporary Imports, Exports, Re-exports, and Transfer (in-country)

³ The items listed on the CCL include Licensed, License Exceptions and NLR with an ECCN & .y 600-series.

III. 2015 Trends in Exports by ECCN and License Designation⁴

Top Four Exports by ECCN to India by Value – Licensed (\$millions)

ECCN	Description	Value
1C981	Crude petroleum including reconstituted crude petroleum, tar sands & crude shale oil	\$17.3
2B001	Machine tools	\$11.2
3A001	Electronic components and specially designed components	\$9.2
9A610	Military aircraft and related commodities	\$6.4

Top Four Exports by ECCN to India by Shipment Count – Licensed

ECCN	Description	Shipment Count
9A610	Military aircraft and related commodities	192
3A611	Military electronics	154
1C351	Human and zoonotic pathogens and “toxins”	67
2B350	Chemical manufacturing facilities and equipment	71

Top Four Exports by ECCN to India by Value– License Exception (\$millions)

ECCN	Description	Value
5A002	Information security systems, equipment and "components"	\$301.7
5D002	Software	\$14.1
5B002	Information Security test, inspection and "production" equipment	\$11.2
6D003	Software, other	\$8.9

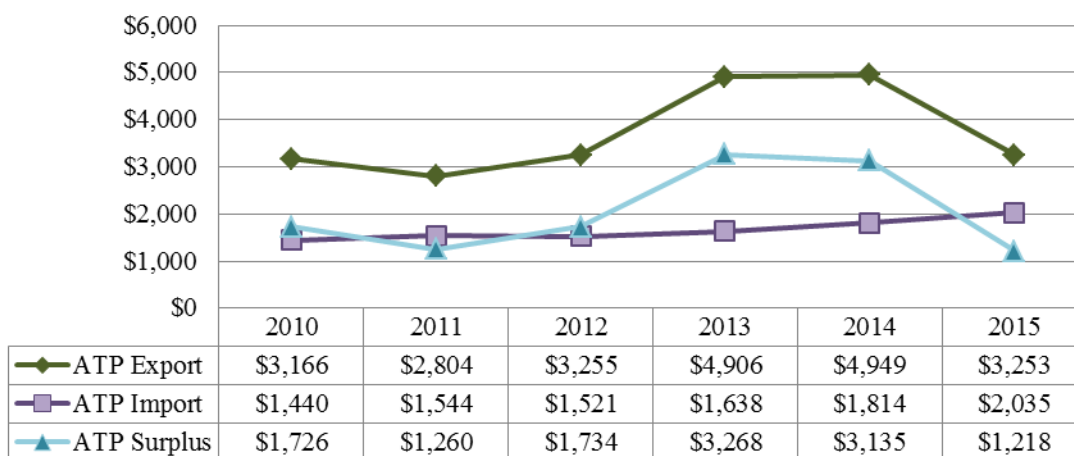
Top Four Exports by ECCN to India by Value – NLR (\$millions)

ECCN	Description	Value
9A991	Aircraft and gas turbine engines and "parts" and "components"	\$732.1
5A991	Telecommunication equipment not controlled by 5A001	\$260.6
5A992	Equipment not controlled by 5A002	\$95.0
4A994	Computers, "electronic assemblies" and related equipment	\$74.4

⁴ Source: AES, February 2016.

IV. Analysis of U.S.-India Trade in Advanced Technology Products (ATP)⁵

U.S. ATP Trade with India 2010 - 2015
Smillions



In 2015, the U.S. ATP exports to India were \$3.3 billion, a 34.3% (\$1.7 billion) decrease from 2014; The U.S. ATP imports from India were \$2.0 billion, a 12.2% (\$221.0 million) increase; and the ATP trade surplus decreased by 61.1%, from \$3.1 billion to \$1.2 billion.

U.S. ATP Exports to India 2010-2015
(\$millions)

ATP Category	2010	2011	2012	2013	2014	2015	% of the Total	% change from 2014
Biotechnology	44	47	51	62	74	56	1.7%	-24.3%
Life Science	511	567	614	614	607	590	18.1%	-2.8%
Opto-Electronics	61	159	111	38	41	27	0.8%	-34.1%
Information & Communications	931	894	768	793	903	939	28.9%	4.0%
Electronics	173	162	169	153	160	168	5.2%	5.0%
Flexible Manufacturing	175	233	216	253	250	253	7.8%	1.2%
Advanced Materials	5	7	10	24	14	10	0.3%	-28.6%
Aerospace	1,261	727	1,307	2,932	2,862	1,206	37.1%	-57.9%
Weapons	2	3	3	29	32	1	0.03%	-96.9%
Nuclear Technology	3	5	6	9	6	3	0.1%	-50.0%
Grand Total	3,166	2,804	3,255	4,906	4,949	3,253	100.0%	-34.3%

The largest categories of U.S. ATP exports to India in 2015 were comprised of Aerospace at \$1.2 billion, 37.1% of the total ATP exports; Information and Communications at \$939 million, 28.9% of the total; and Life Science at \$590 million, 18.1% of the total.

⁵ Source: U.S. Census Bureau Trade Statistics, February 2016.

Advanced Technology Products: about 500 of some 22,000 commodity classification codes contain products from a recognized high technology category (e.g., biotechnology).

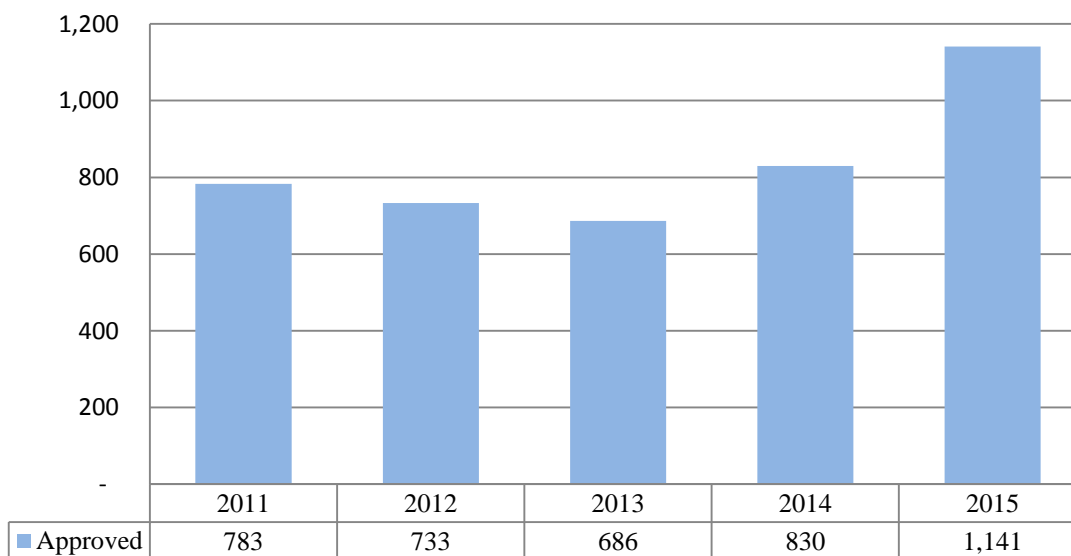
Compared with 2014, there were only minor increases in three ATP categories: Electronics increased by 5.0%; Information & Communications by 4.0%; and Flexible Manufacturing by 1.2%. There was a substantial decrease of 57.9% in Aerospace exports, a \$1.7 billion drop from 2014. There were also decreases in Weapons⁶ (96.9%)⁷, and Opto-Electronics (34.1%), although these categories together comprise only 0.8% of total ATP exports by value.

In 2015, 15.1% (\$3.3 billion) of U.S. exports to India were considered ATP items. Of these, 0.9% required a *BIS license*.

Of the \$351.5 million in U.S. *ATP exports subject to a BIS license requirement* to India in 2015, 91.3% were exported under a license exception.

V. 2015 Trends in India Licensing⁸

**Licenses for Tangible Items, Software and Technology for India
by Count 2011-2015**



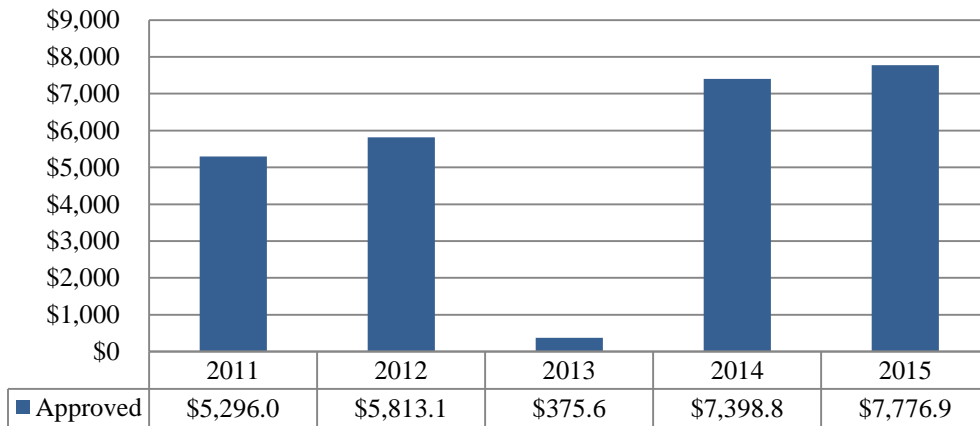
Note: Figure above do not include deemed export applications.

⁶ The ATP category for Weapons includes items of “Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; parts and accessories” in addition to “Arms and ammunition, parts and accessories thereof.”

⁷ The ATP category for Weapons includes items of “optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; parts and accessories” in addition to “arms and ammunition, parts and accessories thereof.”

⁸ Source: CUESS, February 2016.

**Licenses for Tangible Items, Software and Technology for India
by Value 2011-2015
\$millions**



In 2015, BIS reviewed 1,395 export/re-export applications (not including deemed export applications) valued at \$8.0 billion for India, out of a total of 35,018 applications worldwide valued at \$561.3 billion.

- Approved applications for India totaled 1,141 (81.8% of the total applications) for \$7.8 billion, compared to the 29,283 (83.6%) approved applications valued at \$505.1 billion for all destinations.

Additionally, BIS approved 108 deemed export applications for India, compared to 1,211 approved worldwide.