

A Report on the Competitiveness of India in the USA with respect to the various broad commodity groups (ITC-HS two-digit chapters)

The United States is still the largest importer of merchandise in the world. She remains the most important destination of India's exports, too. But her imports have not been increasing by leaps and bounds in the recent past. Between 2011 and 2020, the USD value of US merchandise imports grew by a CAGR of only 0.68%. If 2020 is dropped for being an abnormal (pandemic-ridden) year, the CAGR (from 2011 to 2019) improves only to 1.59%. Hence, if India is to increase her absolute exports to the USA, she has to improve her market share. The market shares of India's merchandise in the USA may be seen at **Annexure-I**.

It is in this context that two indices, described below, have been used to examine the competitiveness of India in the USA as regards the various broad commodity groups (ITC-HS two-digit chapters). The first, r_1 , is a measure of the market share of India in the USA for a particular commodity group compared to the market share of India in the world for the same commodity group. Algebraically,

$$r_1 = \{(M_{Uj}) / (M_{Uj})\} / \{(M_{Wj}) / (M_{Wj})\}$$

where M = imports,

and the subscripts I = India, U = USA, W = world, j = j th commodity group.

Therefore, M_{Uj} is US imports of j from India,

M_{Uj} is US imports of j from the world,

M_{Wj} is world imports of j from India,

M_{Wj} is total world imports of j .

The other measure, r_2 , computes the market share of India in the USA for a particular commodity group in comparison with the market share of India in the USA as regards all commodity groups taken together.

$$r_2 = \{(M_{Uj}) / (M_{Uj})\} / \{(M_{UI}) / (M_U)\}$$

Here, M_{UI} is total US imports from India,

M_U is total world imports.

There can be 4 possibilities in the real world:

- (a) Possibility 1: $r_1 < 1$, $r_2 < 1$. It implies that commodity group j does not enjoy the market share (for India in the USA) as it does in the rest of the world. But is it because trade between the two countries is hamstrung owing to some non-economic reason – political, geographical, cultural, historical and so on? Not necessarily, because the India's total market share in the USA is higher than the share of this particular commodity group. So, industry-specific export drives are required definitely, whether accompanied by country-specific measures or not, we will see to subsequently. Seemingly, a blend of both product specific intervention and market-oriented research may be required to improve the market share of this commodity in the US versus the world and also against all commodities' in the USA market.
- (b) Possibility 2: $r_1 > 1$, $r_2 < 1$. This implies that, even though market share for a particular commodity group is lower than India's total market share in the USA, it

is higher than India's share in the world market (for this commodity group). Maybe, India's overall penetration in the US market has pulled the market share of this commodity group there above the share in the world market. Even if India's exposure in USA market is better, on an average, still the product share within USA market is less compared to all product's share. Hence, more product specific approach may have to be adopted.

- (c) Possibility 3: $r_1 < 1, r_2 > 1$. This implies that though India's market share in the USA for this group is more than India's total market share, it cannot surpass the India's share in world market for this commodity. Probably, a significant improvement in India's overall market penetration in the USA may increase exports. Market-research and customer segmentation approaches within the US market for the product in terms of quality enhancement and targeting the right customer mix (say high population, affluent states with taste for more product differentiation) may enhance market share of this commodity in USA with respect to the world.
- (d) Possibility 4: $r_1 > 1, r_2 > 1$. The situation is encouraging for the product group or industry.

In theory, there can be 5 other possibilities wherein either or both of the r 's equal(s) 1, but they are improbable in real life and hence, ignored (shaded in grey). The matrix below, provides a visual aid to the combinations as discussed in the preceding section which allude to the four real world possibilities with competitiveness indices (r_1 & r_2) combinations.

The complete range of possibilities (theoretically and observationally) are highlighted in the figure below.

Figure 1: List of Exhaustive Possibilities, in theory and real-world for the values of competitiveness indices (r_1 & r_2)

	$r_1 < 1$	$r_1 = 1$	$r_1 > 1$
$r_2 < 1$	Definite product promotion policy needed with some market-oriented outreach		More vigorous product promotion needed
$r_2 = 1$			
$r_2 > 1$	More vigorous market promotion needed		Product-group's performance satisfactory; no action prescribed

In the subsequent section, (Tables 1 to 8) we examine the values of these index-value pairs between India and USA from 2016 to 2020, ITC-HS chapter-wise, colour-coded in yellow ($r_1 < 1, r_2 < 1$), green ($r_1 > 1, r_2 < 1$), red ($r_1 < 1, r_2 > 1$) and blue ($r_1 > 1, r_2 > 1$). The computation of these indices are based on the updated bilateral trade data from UN Comtrade.

Table 1: Values of Competitiveness Indices pair (r1 and r2) between India and USA from 2016 to 2020 for Agricultural and Related Products (Chapters 01-24)

ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-3	Fish, crustaceans, molluscs, aquatic invertebrates nes	1.76,4.29	1.80,5.58	2.09,5.33	2.50,5.29	2.55,5.33
HS-4	Dairy products, eggs, honey, edible animal product nes	6.56,1.21	8.89,1.78	5.93,1.60	8.07,1.46	10.75,1.35
HS-5	Products of animal origin, nes	1.08,0.55	1.06,0.56	1.03,0.58	1.50,0.56	1.04,0.37
HS-6	Live trees, plants, bulbs, roots, cut flowers etc	2.02,0.39	1.97,0.39	1.98,0.35	1.85,0.33	2.10,0.32
HS-7	Edible vegetables and certain roots and tubers	0.37,0.29	0.41,0.33	0.39,0.33	0.32,0.24	0.48,0.31
HS-8	Edible fruit, nuts, peel of citrus fruit, melons	0.59,0.43	0.71,0.60	0.40,0.24	0.27,0.15	0.19,0.08
HS-9	Coffee, tea, mate and spices	0.55,1.89	0.47,1.74	0.49,1.66	0.59,1.59	0.66,1.83
HS-10	Cereals	1.17,3.46	0.98,3.64	1.22,3.92	1.42,4.35	1.55,5.19
HS-11	Milling products, malt, starches, inulin, wheat gluten	1.70,1.10	1.92,1.35	1.95,1.52	1.88,1.31	1.89,1.65
HS-12	Oil seed, oleagic fruits, grain, seed, fruit, etc, nes	4.91,4.48	6.09,5.29	6.55,5.00	5.78,4.66	5.75,4.42
HS-13	Lac, gums, resins, vegetable saps and extracts nes	2.25,13.36	2.52,17.66	2.73,17.04	2.76,14.15	3.13,13.02
HS-14	Vegetable plaiting materials, vegetable products nes	1.48,6.50	1.51,4.82	1.97,4.91	2.70,6.09	3.64,5.71
HS-15	Animal,vegetable fats and oils, cleavage products, etc	1.44,0.70	1.39,0.83	1.50,0.88	1.52,0.94	1.31,0.85
HS-16	Meat, fish and seafood food preparations nes	4.37,1.42	4.43,2.23	5.97,2.30	5.83,2.32	6.53,3.43
HS-17	Sugars and sugar confectionery	0.13,0.25	0.12,0.16	0.17,0.24	0.12,0.27	0.10,0.31
HS-18	Cocoa and cocoa preparations	1.46,0.29	1.92,0.34	2.05,0.45	2.78,0.46	1.32,0.21
HS-19	Cereal, flour, starch, milk preparations and products	2.19,0.81	2.18,0.81	2.33,0.78	2.46,0.74	2.54,0.82
HS-20	Vegetable, fruit, nut, etc food preparations	1.79,0.70	1.55,0.72	1.51,0.66	1.57,0.66	1.72,0.84
HS-21	Miscellaneous edible preparations	2.05,0.91	1.99,1.03	1.45,0.68	1.23,0.56	1.14,0.53
HS-22	Beverages, spirits and vinegar	0.11,0.01	0.11,0.01	0.12,0.01	0.16,0.01	0.12,0.01
HS-23	Residues, wastes of food industry, animal fodder	1.00,0.55	1.16,1.21	1.78,1.82	3.81,3.26	4.56,3.85
HS-24	Tobacco and manufactured tobacco substitutes	0.65,0.78	0.67,0.76	0.67,0.67	0.65,0.60	0.72,0.70

Source: UN Comtrade

From table 1, we see that for Agricultural and Related Products (Chapters 1 to 24), India's export competitiveness in US market is sound for ITC-HS chapters 10,11, 12, 13, 14,16 and 23 (shaded in teal blue). For HS-9, more vigorous market promotion is needed as seen by index values shaded in red. For HS-5, 6, 15, 18, 19, 20, 21 (index values in green), vigorous product promotion is needed. Serious product and market based intervention is required for product groups whose value-pairs are shaded in yellow, namely, HS-7,8,17,22 and 24. From Annexure-I, it is seen that HS-13(Lac, gums, resins, vegetable saps and extracts nes), HS-14(Vegetable plaiting materials, vegetable products nes), HS-03(Fish, crustaceans, molluscs, aquatic invertebrates nes) and HS-12(Oil seed, oleagic fruits, grain, seed, fruit, etc, nes) are the four agricultural commodity categories that featured in the top 10 commodity groups with largest market share (%) of India's exports in USA's imports from 2016-2020. As discussed earlier, with both index values greater than one for these 4 commodities, they already own a high competitive edge in USA and at the moment, no intervention is required for these products.

Table 2: Values of Competitiveness Indices pair (r1 and r2) between India and USA from 2016 to 2020 for Mineral Products (Chapters 25-27)

ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-25	Salt, sulphur, earth, stone, plaster, lime and cement	0.33,0.80	0.34,0.94	0.44,1.03	0.64,1.33	0.42,0.91
HS-26	Ores, slag and ash	0.13,0.05	0.95,0.04	0.09,0.03	0.05,0.03	0.21,0.16
HS-27	Mineral fuels, oils, distillation products, etc	0.73,0.71	0.52,0.64	0.60,0.63	0.79,0.77	0.73,0.66

Source: UN Comtrade

From table 2, for Mineral Products (Chapters 25-27), for all ITC-HS codes, heavy product based intervention along with market factors have to be explored for improving India's export competitiveness to US in this sector.

Table 3: Values of Competitiveness Indices pair (r1 and r2) between India and USA from 2016 to 2020 for Products of Chemical or Allied Industries (Chapters 28-40)

ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-28	Inorganic chemicals, precious metal compound, isotopes	0.49,0.29	0.51,0.38	0.52,0.41	0.65,0.44	0.89,0.57
HS-29	Organic chemicals	1.27,1.95	1.22,2.31	1.04,2.13	1.18,2.31	1.10,2.32
HS-30	Pharmaceutical products	3.14,3.85	2.63,3.10	2.16,2.60	2.34,2.64	2.21,2.75
HS-31	Fertilizers	0.86,0.07	0.63,0.06	0.44,0.05	0.56,0.05	0.62,0.06
HS-32	Tanning, dyeing extracts, tannins, derivs,pigments etc	1.91,3.01	1.71,3.00	1.63,3.02	1.69,3.15	1.79,3.07
HS-33	Essential oils, perfumes, cosmetics, toileteries	1.44,0.87	1.41,0.97	1.51,0.93	1.44,0.96	2.02,1.15
HS-34	Soaps, lubricants, waxes, candles, modelling pastes	2.35,1.09	2.61,1.26	2.57,1.19	2.99,1.33	2.00,0.93
HS-35	Albuminoids, modified starches, glues, enzymes	1.57,0.67	1.44,0.59	1.59,0.62	1.50,0.49	1.26,0.41
HS-36	Explosives, pyrotechnics, matches, pyrophorics, etc	0.10,0.10	0.09,0.12	0.34,0.42	0.61,0.69	0.09,0.13
HS-37	Photographic or cinematographic goods	0.08,0.00	0.10,0.00	0.29,0.01	0.24,0.00	0.15,0.00
HS-38	Miscellaneous chemical products	1.16,0.99	1.44,1.40	1.22,1.24	0.92,0.98	0.79,0.79
HS-39	Plastics and articles thereof	1.03,0.45	0.90,0.47	0.83,0.49	0.98,0.51	0.99,0.49
HS-40	Rubber and articles thereof	1.00,0.69	0.90,0.77	1.10,0.85	1.24,0.93	1.23,0.94

Source: UN Comtrade

In Table 3, for Products of Chemical or Allied Industries (Chapters 28-40), HS-28 (Inorganic chemicals), HS-31(Fertilizers), HS-36(explosives), HS-37(photographic goods), HS-38(miscellaneous chemical products) and HS-39(plastics) require both product and market based intervention.

Table 4: Values of Competitiveness Indices pair (r1 and r2) between India and USA from 2016 to 2020 for Leather, Wood and Paper Products (Chapters 41-49)

ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-41	Raw hides and skins (other than furskins) and leather	0.43,0.69	0.44,0.75	0.41,0.63	0.44,0.56	0.53,0.64
HS-42	Articles of leather, animal gut, harness, travel goods	1.13,1.69	1.20,1.78	1.25,1.78	1.60,2.00	1.73,2.06
HS-43	Furskins and artificial fur, manufactures thereof	10.38,0.69	14.39,0.84	14.84,0.98	19.28,1.16	12.48,1.22
HS-44	Wood and articles of wood, wood charcoal	1.39,0.22	1.54,0.25	1.73,0.25	2.01,0.31	1.88,0.28
HS-45	Cork and articles of cork	1.51,0.09	1.61,0.11	0.50,0.04	2.10,0.14	0.93,0.07
HS-46	Manufactures of plaiting material, basketwork, etc.	12.91,3.08	8.71,3.86	7.64,4.74	8.91,6.85	9.64,6.97
HS-47	Pulp of wood, fibrous cellulosic material, waste etc	0.01,0.00		0.04,0.00	0.01,0.00	0.00,0.00
HS-48	Paper & paperboard, articles of pulp, paper and board	0.76,0.27	0.66,0.26	0.65,0.32	0.89,0.47	1.06,0.53
HS-49	Printed books, newspapers, pictures etc	1.45,0.50	1.62,0.54	1.41,0.66	1.52,0.65	2.21,0.75

Source: UN Comtrade

In Table 4, for Leather, Wood and Paper Products (Chapters 41-49), predominantly product promotion is required. Perhaps product development with more end-use options and product variety with industry-based R&D that are environmental friendly have to be developed to find buyers in a developed country like US. For instance, primary products like raw hides ,wood and paper pulp may have limited use or US is able to source these primary, unprocessed products at better price ,quality and terms from other trading partners.

Table 5: Values of Competitiveness Indices pair (r1 and r2) between India and USA from 2016 to 2020 for Textiles, Textile Articles, Footwear and Headgear (Chapters 50-65)

ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-50	Silk	3.56,7.09	3.59,6.62	3.66,6.22	3.63,6.66	2.77,8.25
HS-51	Wool, animal hair, horsehair yarn and fabric thereof	1.34,0.77	0.99,0.58	0.96,0.58	1.28,0.80	2.11,1.15
HS-52	Cotton	0.70,4.09	0.71,4.57	0.76,5.01	1.05,5.06	0.83,4.81
HS-53	Vegetable textile fibres nes, paper yarn, woven fabric	2.38,13.67	2.32,14.08	2.85,12.46	2.86,13.07	2.64,16.41
HS-54	Manmade filaments	2.23,4.37	1.67,4.10	1.96,4.03	2.14,4.18	2.68,4.83
HS-55	Manmade staple fibres	1.39,3.67	1.24,3.96	1.40,3.34	1.24,2.62	1.51,2.99
HS-56	Wadding, felt, nonwovens, yarns, twine, cordage, etc	2.05,1.78	2.42,1.88	2.63,1.90	3.84,2.62	3.58,2.46
HS-57	Carpets and other textile floor coverings	2.75,15.70	2.54,14.65	2.39,13.62	2.91,14.05	2.80,14.55
HS-58	Special woven or tufted fabric, lace, tapestry etc	2.09,2.73	2.11,3.06	2.03,2.75	2.02,2.87	1.85,2.69
HS-59	Impregnated, coated or laminated textile fabric	3.23,1.31	4.94,2.23	4.59,1.98	4.73,2.20	4.00,2.64
HS-60	Knitted or crocheted fabric	4.68,1.71	6.19,2.83	6.31,3.33	6.62,3.51	8.13,5.12
HS-61	Articles of apparel, accessories, knit or crochet	0.91,1.73	0.84,1.80	1.05,1.82	1.13,1.81	1.25,1.84
HS-62	Articles of apparel, accessories, not knit or crochet	1.19,2.62	1.21,2.69	1.41,2.54	1.46,2.50	1.54,2.30
HS-63	Other made textile articles, sets, worn clothing etc	2.13,7.82	2.00,8.00	1.99,7.49	2.02,6.92	2.05,3.67
HS-64	Footwear, gaiters and the like, parts thereof	0.86,0.93	0.76,0.84	0.80,0.77	0.91,0.76	0.92,0.67
HS-65	Headgear and parts thereof	0.63,0.13	0.73,0.16	0.69,0.14	0.70,0.17	0.67,0.19

Source: UN Comtrade

Table 5 gives the values of competitiveness indices pair (r1 and r2) between India and USA from 2016 to 2020 for Textiles, Textile Articles, Footwear and Headgear (Chapters 50-65). India seems to be doing pretty great (blue shaded region) in textiles items exports to USA. For HS-64(footwear) and HS-65(headgear) however, a definitive product promotion policy with market- research is needed for more effective bilateral trade between the trading partners.

Table 6: Values of Competitiveness Indices pair (r1 and r2) between India and USA from 2016 to 2020 for Assorted Group of Items (Chapters 66-71)

ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-66	Umbrellas, walking-sticks, seat-sticks, whips, etc	0.51,0.04	1.21,0.03	1.22,0.04	1.86,0.07	1.80,0.06
HS-67	Bird skin, feathers, artificial flowers, human hair	0.24,0.38	0.22,0.31	0.27,0.29	0.23,0.25	0.25,0.33
HS-68	Stone, plaster, cement, asbestos, mica, etc articles	2.09,2.71	2.13,2.89	2.20,2.81	2.83,3.89	2.55,3.76
HS-69	Ceramic products	0.45,0.45	0.45,0.54	0.45,0.56	0.58,0.77	0.92,1.45
HS-70	Glass and glassware	1.75,0.76	1.72,0.81	1.39,0.76	1.67,0.86	2.15,1.01
HS-71	Pearls, precious stones, metals, coins, etc	2.95,7.95	2.88,8.61	3.27,8.96	3.46,8.19	2.41,3.82

Source: UN Comtrade

From Table 6, we find competitiveness indices values for India for Assorted Group of Items (Chapters 66-71). HS-71(Pearls, precious stones etc.), expectedly and HS-68(stone, plaster, cement etc.) from India are doing good (blue shaded region) in US.HS-70 (glassware) export has also reached the desired value range. For other groups, product specific research is required.

Table 7: Values of Competitiveness Indices pair (r1 and r2) between India and USA from 2016 to 2020 for Base Metals and Articles of Base Metals (Chapters 72-83)

ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-72	Iron and steel	0.57,0.60	0.43,0.71	0.39,0.46	0.27,0.33	0.21,0.32
HS-73	Articles of iron or steel	1.30,1.37	1.45,1.75	1.36,1.43	1.63,1.66	1.70,1.69
HS-74	Copper and articles thereof	0.56,0.56	0.37,0.47	0.94,0.47	1.79,0.50	1.65,0.52
HS-75	Nickel and articles thereof	0.43,0.15	1.57,0.17	2.23,0.26	1.56,0.25	1.69,0.18
HS-76	Aluminium and articles thereof	0.64,0.53	0.83,0.98	1.07,1.37	0.98,1.31	0.68,1.01
HS-78	Lead and articles thereof	1.61,1.87	1.83,4.23	0.83,2.10	0.17,0.43	0.23,0.59
HS-79	Zinc and articles thereof	0.42,0.62	0.46,1.18	0.27,0.54	0.27,0.37	0.18,0.39
HS-80	Tin and articles thereof	0.30,0.06	0.71,0.07	1.07,0.09	0.58,0.05	0.50,0.05
HS-81	Other base metals, cermets, articles thereof	1.22,0.16	1.78,0.26	1.78,0.26	2.37,0.28	2.14,0.29
HS-82	Tools, implements, cutlery, etc of base metal	1.51,0.87	1.43,0.90	1.47,0.87	1.59,0.91	1.58,0.89
HS-83	Miscellaneous articles of base metal	2.35,0.89	2.31,0.99	2.55,1.00	2.53,0.99	2.49,1.02

Source: UN Comtrade

From Table 7, for Base Metals and Articles of Base Metals (Chapters 72-83), mostly product specific intervention is required for bulk of the commodities. India's exports look competitive enough for USA for HS-73 (Iron & Steel), HS-78 (Lead) and HS-83 (Base Metals).HS-76(Aluminium) exports' boost may call for more market specific approach.

Table 8: Values of Competitiveness Indices pair (r1 and r2) between India and USA from 2016 to 2020 for High-End Manufactured Products, Furniture, Sports Goods and Works of Art (Chapters 84-99)						
ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-84	Nuclear reactors, boilers, machinery, etc	1.00,0.32	0.93,0.36	1.02,0.41	1.08,0.43	1.08,0.41
HS-85	Electrical, electronic equipment	1.21,0.18	1.13,0.18	1.14,0.22	1.13,0.26	1.84,0.39
HS-86	Railway, tramway locomotives, rolling stock, equipment	1.78,0.46	1.13,0.46	2.27,1.32	1.43,0.56	2.89,0.41
HS-87	Vehicles other than railway, tramway	0.39,0.20	0.41,0.23	0.78,0.43	0.78,0.39	0.86,0.39
HS-88	Aircraft, spacecraft, and parts thereof	0.61,0.25	0.73,0.24	0.99,0.25	1.31,0.23	1.28,0.30
HS-89	Ships, boats and other floating structures	0.01,0.01	0.00,0.00	0.00,0.00	0.00,0.00	0.00,0.00
HS-90	Optical, photo, technical, medical, etc apparatus	1.04,0.23	1.03,0.24	1.11,0.26	1.06,0.24	1.05,0.24
HS-91	Clocks and watches and parts thereof	0.81,0.05	0.94,0.06	0.53,0.04	0.30,0.02	0.43,0.03
HS-92	Musical instruments, parts and accessories	0.82,0.10	0.78,0.10	0.91,0.11	0.74,0.11	0.75,0.11
HS-93	Arms and ammunition, parts and accessories thereof	2.01,0.54	2.26,0.77	2.05,0.77	2.28,0.73	1.16,0.74
HS-94	Furniture, lighting, signs, prefabricated buildings	2.10,0.58	1.98,0.59	2.06,0.62	2.22,0.67	2.35,0.73
HS-95	Toys, games, sports requisites	1.16,0.16	1.53,0.19	1.25,0.18	1.43,0.21	1.63,0.21
HS-96	Miscellaneous manufactured articles	1.46,0.78	1.63,0.86	1.66,0.89	1.59,0.80	2.08,0.94
HS-97	Works of art, collectors pieces and antiques	0.88,0.38	3.12,0.42	1.71,0.27	10.17,1.28	6.52,0.66
HS-99	Commodities not elsewhere specified	3.70,0.34	9.17,0.43	24.20,0.35	15.20,0.36	28.61,0.36

Source: UN Comtrade

Table 8 for High-End Manufactured Products, Furniture, Sports Goods and Works of Art (Chapters 84-99), shows a distinctive product promotion need with some market study. For HS-97 though, i.e., works of art, collectors pieces and antiques, in 2019 and 2020, India has achieved satisfactory trade performance.

India's Market Share (%) in USA's Imports from 2016-2020 (Arranged in Order of Magnitude of Commodity Chapters, Highest to Lowest)						
ITC-HS CHAPTER	COMMODITY NAME	2016	2017	2018	2019	2020
HS-13	Lac, gums, resins, vegetable saps and extracts nes	28.82	37.16	36.85	32.43	28.49
HS-57	Carpets and other textile floor coverings	33.25	30.78	29.46	32.19	31.84
HS-53	Vegetable textile fibres nes, paper yarn, woven fabric	29.01	29.61	26.95	29.94	35.91
HS-71	Pearls, precious stones, metals, coins, etc	16.87	18.11	19.38	18.78	8.36
HS-50	Silk	15.01	13.92	13.45	15.26	18.06
HS-63	Other made textile articles, sets, worn clothing etc	16.64	16.90	16.20	15.87	8.04
HS-14	Vegetable plaiting materials, vegetable products nes	13.88	10.17	10.62	13.95	12.49
HS-03	Fish, crustaceans, molluscs, aquatic invertebrates nes	9.10	11.75	11.54	12.34	11.87
HS-46	Manufactures of plaiting material, basketwork, etc.	6.58	8.17	10.25	15.70	15.25
HS-12	Oil seed, oleagic fruits, grain, seed, fruit, etc, nes	9.56	11.14	10.82	10.68	9.68
HS-52	Cotton	8.68	9.60	10.85	11.61	10.53
HS-54	Manmade filaments	9.11	8.66	8.72	9.58	10.57
HS-10	Cereals	7.43	7.65	8.49	9.98	11.36
HS-60	Knitted or crocheted fabric	3.68	5.96	7.22	8.05	11.21
HS-55	Manmade staple fibres	7.79	8.34	7.23	6.01	6.54
HS-68	Stone, plaster, cement, asbestos, mica, etc articles	5.77	6.09	6.09	8.92	8.24
HS-32	Tanning, dyeing extracts, tannins, derivs,pigments etc	6.37	6.31	6.53	7.24	6.73
HS-30	Pharmaceutical products	8.18	6.49	5.63	6.07	6.02
HS-58	Special woven or tufted fabric, lace, tapestry etc	5.80	6.42	5.95	6.59	5.89
HS-62	Articles of apparel, accessories, not knit or crochet	5.58	5.66	5.50	5.74	5.04
HS-16	Meat, fish and seafood food preparations nes	3.03	4.70	4.97	5.33	7.52
HS-29	Organic chemicals	4.15	4.85	4.60	5.30	5.09
HS-23	Residues, wastes of food industry, animal fodder	1.18	2.56	3.95	7.48	8.43
HS-56	Wadding, felt, nonwovens, yarns, twine, cordage, etc	3.74	3.97	4.11	6.01	5.40
HS-59	Impregnated, coated or laminated textile fabric	3.00	4.69	4.29	5.05	5.78
HS-42	Articles of leather, animal gut, harness, travel goods	3.63	3.75	3.85	4.59	4.52
HS-78	Lead and articles thereof	3.98	8.88	4.55	0.99	1.30
HS-61	Articles of apparel, accessories, knit or crochet	3.68	3.79	3.94	4.16	4.03
HS-09	Coffee, tea, mate and spices	4.01	3.67	3.60	3.72	4.07
HS-73	Articles of iron or steel	2.92	3.70	3.11	3.82	3.70
HS-04	Dairy products, eggs, honey, edible animal product nes	2.59	3.76	3.47	3.41	3.01
HS-11	Milling products, malt, starches, inulin, wheat gluten	2.35	2.86	3.30	3.01	3.63

HS-34	Soaps, lubricants, waxes, candles, modelling pastes	2.32	2.66	2.59	3.05	2.05
HS-38	Miscellaneous chemical products	2.12	2.95	2.69	2.26	1.75
HS-76	Aluminium and articles thereof	1.13	2.07	2.96	3.01	2.22
HS-25	Salt, sulphur, earth, stone, plaster, lime and cement	1.71	2.14	2.25	3.06	2.00
HS-43	Furskins and artificial fur, manufactures thereof	1.49	1.78	2.13	2.67	2.68
HS-83	Miscellaneous articles of base metal	1.89	2.09	2.17	2.28	2.24
HS-33	Essential oils, perfumes, cosmetics, toileteries	1.87	2.05	2.01	2.20	2.53
HS-82	Tools, implements, cutlery, etc of base metal	1.85	1.91	1.90	2.10	1.96
HS-96	Miscellaneous manufactured articles	1.68	1.81	1.94	1.85	2.07
HS-15	Animal,vegetable fats and oils, cleavage products, etc	1.50	1.76	1.90	2.17	1.87
HS-70	Glass and glassware	1.62	1.71	1.65	1.98	2.23
HS-40	Rubber and articles thereof	1.47	1.62	1.84	2.14	2.07
HS-64	Footwear, gaiters and the like, parts thereof	1.99	1.77	1.67	1.75	1.48
HS-19	Cereal, flour, starch, milk preparations and products	1.73	1.71	1.69	1.70	1.81
HS-51	Wool, animal hair, horsehair yarn and fabric thereof	1.66	1.24	1.25	1.84	2.53
HS-69	Ceramic products	0.97	1.11	1.21	1.77	3.17
HS-21	Miscellaneous edible preparations	1.94	2.16	1.49	1.30	1.18
HS-20	Vegetable, fruit, nut, etc food preparations	1.49	1.52	1.44	1.51	1.85
HS-93	Arms and ammunition, parts and accessories thereof	1.16	1.62	1.67	1.69	1.64
HS-24	Tobacco and manufactured tobacco substitutes	1.69	1.60	1.47	1.40	1.54
HS-27	Mineral fuels, oils, distillation products, etc	1.53	1.35	1.37	1.78	1.45
HS-41	Raw hides and skins (other than furskins) and leather	1.47	1.59	1.37	1.29	1.41
HS-86	Railway, tramway locomotives, rolling stock, equipment	0.98	0.98	2.87	1.30	0.91
HS-94	Furniture, lighting, signs, prefabricated buildings	1.24	1.25	1.35	1.56	1.61
HS-49	Printed books, newspapers, pictures etc	1.06	1.15	1.43	1.49	1.65
HS-79	Zinc and articles thereof	1.32	2.48	1.17	0.86	0.87
HS-97	Works of art, collectors pieces and antiques	0.81	0.88	0.60	2.94	1.46
HS-35	Albuminoids, modified starches, glues, enzymes	1.43	1.26	1.36	1.14	0.90
HS-05	Products of animal origin, nes	1.17	1.18	1.26	1.32	0.82
HS-74	Copper and articles thereof	1.20	0.99	1.03	1.15	1.14
HS-39	Plastics and articles thereof	0.97	1.02	1.06	1.17	1.09
HS-72	Iron and steel	1.28	1.50	1.00	0.77	0.71
HS-28	Inorganic chemicals, precious metal compound, isotopes	0.63	0.81	0.89	1.02	1.27
HS-84	Nuclear reactors, boilers, machinery, etc	0.69	0.76	0.90	1.01	0.90
HS-48	Paper & paperboard, articles of pulp, paper and board	0.58	0.56	0.70	1.09	1.18
HS-99	Commodities not elsewhere specified	0.74	0.86	0.77	0.83	0.79

HS-06	Live trees, plants, bulbs, roots, cut flowers etc	0.84	0.78	0.77	0.77	0.71
HS-18	Cocoa and cocoa preparations	0.62	0.73	0.98	1.07	0.47
HS-87	Vehicles other than railway, tramway	0.43	0.49	0.95	0.90	0.86
HS-67	Bird skin, feathers, artificial flowers, human hair	0.81	0.67	0.64	0.59	0.73
HS-36	Explosives, pyrotechnics, matches, pyrophorics, etc	0.23	0.26	0.92	1.60	0.30
HS-07	Edible vegetables and certain roots and tubers	0.63	0.70	0.72	0.55	0.69
HS-08	Edible fruit, nuts, peel of citrus fruit, melons	0.92	1.28	0.54	0.34	0.17
HS-44	Wood and articles of wood, wood charcoal	0.47	0.53	0.54	0.73	0.61
HS-88	Aircraft, spacecraft, and parts thereof	0.54	0.51	0.56	0.54	0.66
HS-81	Other base metals, cermets, articles thereof	0.34	0.55	0.57	0.64	0.64
HS-85	Electrical, electronic equipment	0.39	0.39	0.48	0.61	0.87
HS-90	Optical, photo, technical, medical, etc apparatus	0.49	0.52	0.58	0.57	0.54
HS-17	Sugars and sugar confectionery	0.51	0.35	0.52	0.63	0.68
HS-75	Nickel and articles thereof	0.33	0.37	0.56	0.59	0.40
HS-95	Toys, games, sports requisites	0.35	0.40	0.41	0.49	0.47
HS-65	Headgear and parts thereof	0.28	0.36	0.32	0.40	0.44
HS-92	Musical instruments, parts and accessories	0.23	0.21	0.25	0.27	0.25
HS-45	Cork and articles of cork	0.20	0.24	0.09	0.34	0.16
HS-80	Tin and articles thereof	0.14	0.16	0.21	0.14	0.11
HS-26	Ores, slag and ash	0.12	0.10	0.08	0.08	0.37
HS-31	Fertilizers	0.16	0.14	0.11	0.12	0.14
HS-66	Umbrellas, walking-sticks, seat-sticks, whips, etc	0.10	0.07	0.09	0.17	0.15
HS-91	Clocks and watches and parts thereof	0.09	0.13	0.09	0.05	0.07
HS-22	Beverages, spirits and vinegar	0.03	0.03	0.04	0.04	0.04
HS-37	Photographic or cinematographic goods	0.01	0.01	0.02	0.02	0.01
HS-89	Ships, boats and other floating structures	0.02	0.00	0.01	0.01	0.01
HS-47	Pulp of wood, fibrous cellulosic material, waste etc	0.00	0.00	0.00	0.00	0.00