

India's Trade Potential and Prospects with Bhutan

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ABSTRACT

Since mid 1990s, India is actively engaging in bilateral and regional negotiations with various countries and blocs to boost trade and level of integration. It has signed numerous agreements and become member. In South Asia region, India has close and trouble free relations only with landlocked kingdom i.e. Bhutan since 1949 under Treaty of Peace and Friendship. This treaty helped to enhance their integration i.e. free trade agreement (FTA) in goods signed between them in 2006. It is in this context, the present study applies revealed comparative advantage (RCA) and trade intensity index (TII) to explore India's trade potential and prospects with Bhutan that will tell us either India has trade possibility with Bhutan or not. The major findings of the study showed that India has become the largest trading partner of Bhutan. India has strong and sustainable trade potential with Bhutan. Even India has no specialisation in the export of any product to Bhutan but still exports continued to increase at walking rate. Overall, India has strong trade prospects with Bhutan.

Keywords: India; Bhutan; Trade; Potential; Prospects

Introduction

Under the wave of regionalism¹/slow and failure of trade negotiations at multilateral level (Bhagwati, 1993; Krugman, 1993; Ethier, 1998), India²like other developing countries has negotiated and signed various bilateral and regional trade agreements with great enthusiasm as shown in Table-1.³ Among South Asian countries, India has only smooth and free relation with the Himalayan Kingdom of Bhutan⁴ (Devi, 1989). Bhutan also remains an example of bilateralism in the India's neighbourhood.⁵No doubt, both countries are diverse in size, economic and social development, geography, political system, language and culture (Table-2), but there relation continued to improve and became closer. India has become the largest trading as well as development partner of Bhutan. India from time to time has supported Bhutan's developmental effort.⁶Bilateral trade continued to increase at increasing rate as shown in table-3. India's exports to Bhutan increased to US\$ 2,00,366 thousand (2014) from US\$ 2,154.84 thousand in 1990. Similarly imports also increased to US\$ 1,44,346 thousand (2014) from US\$ 798.02 thousand in 1990 (table-3). Major imports of India from Bhutan are iron and steel, mineral fuels, inorganic chemicals, plastic and articles, beverages, cooper and wood articles. Similarly India's major exports to Bhutan are mineral fuels, nuclear reactors, vehicles, articles of iron and steel, electrical machinery and equipments, salt, sulphur, rubber and plastic articles.⁷

Objectives of the Study

1. To briefly explain India's relation with Bhutan,
2. To identify the comparative advantage/trade specialisation in the exports and imports for commodities, at 2-digit level mentioned in Standard International Trade Classification (SITC) revision-2, in order to explore potential areas for further cooperation and
3. To explore intensity of India's trade with Bhutan.

¹Regionalism' in international relations refers to the integration of a number of states, located in a certain geographical region, based on their common identity or the sense of collective actions. The process of integration often expressed through institutional mechanisms. The main objectives behind this integration are to facilitate trade among member countries by reducing tariff and non-tariff barriers on selected products, promote economic cooperation, build a sense of security and enhance the level of integration.

<http://www.stanford.edu/class/polisci243b/readings/v0002093.pdf><http://www.garnet-eu.org/pdf/Fawcett1.pdf>

<http://ageconsearch.umn.edu/bitstream/16137/1/mt040065.pdf>

²7th largest² and the second most populous (1,267,401,849) country after China (1,364,270,000) in the world

³<http://rtais.wto.org/UI/PublicAllIRList.aspx>

⁴Bhutan is located between China and India, two heavy-weight players in the international arena

⁵www.bhutanstudies.org.bt/publicationsfiles/jbs/jbs_vol.11/vii_6.pdf

⁶www.bhutanstudies.org.bt/publicationsfiles/jbs/jbs_vol.11/vii_6.pdf

⁷International Trade centre (ITC), Geneva

India's Relation with Bhutan: Historical Prospective

India's relations with Bhutan are dated back to 747 A.D., when the great Indian saint Padmasambhava (known in Bhutan as Guru Rinpoche and sometimes referred to as the Second Buddha) came to Bhutan and introduced Buddhism. Besides cultural and religious heritage, both countries developed other areas of cooperation during the period of British India Company. In 1910, British signed Treaty of Punakha with Bhutan that laid the foundation stone of its relation in the subsequent years. Through this treaty, Bhutan gave full authority to India to control and regulate its foreign affairs and defence.⁸

After India's independence, standstill agreements with Sikkim, Nepal and Tibet were signed in order to continue existing relations; until the new agreements are signed. It was followed by Nehru's invitation to Bhutanese delegation to participate in the first international Asian Relations Conference in 1947. Following this, Maharaja Jigme Wangchuk sent delegates to India to participate and negotiate a fresh treaty. Indian government welcomed them and assured the government of Bhutan that it would respect Bhutan's autonomy if it wanted to maintain the same relations with independent India as under British rule. Maharaja Jigme Wangchuk continued negotiations with the government of India. As a result India and Bhutan signed 'Treaty of Peace and Friendship' in Darjeeling on 8 August 1949 which replaced the earlier treaty of 1910 between the British Indian government and Bhutan. This treaty was signed by the representatives of the Government of India and Government of his highness the Druk Gyalpo (the King of Bhutan).⁹

Based on this background, Indo-Bhutan relations began to take on concrete form. Formal trade relations between Bhutan and India were established in 1968 with the appointment of a resident representative of India in Thimbu (Bhutan). Before this our relation with Bhutan was looked after by our political officer in Sikkim.¹⁰ The Treaty of Friendship and Cooperation 1949 expired in 2006 and renewed for a period of 10 years by Pranab Mukherjee, the then India's Minister of External Affairs and Jigme Khesar Namgyal Wangchuck, the then crown prince and king of Bhutan's during his visit to India on 8 February 2007. The regular visits of ministers between countries and exchange of views enhanced relation. The share of this today unique relation goes to the efforts of Indian Prime Minister Pandit Jawharlal Nehru and the 3rd King of Bhutan Jigme Dorji Wangchuck (Malik and Sheikh, 2016)

Research Methodology

In order to find India's trade potential and prospects with Bhutan, the analytical tools used for the study are as follows:

- 1) **Revealed Comparative Advantage (RCA)** (Balassa, 1965) for exports and imports by India to Bhutan identify trade specialisation. The index of revealed comparative advantage has a simple interpretation. Value greater than 1 for RCAX/RCAM indicates a comparative advantage while less than 1 for RCAX/RCAM indicates comparative disadvantage for the economy in the export/import of given product.
- 2) **Trade Intensity Index (TII)** (Drysdale and Garnaut, 1982) for exports, imports, and total trade between India and regional trade bloc members to see trade potential. A unitary value i.e., TII=1, shows that there is no difference in importance to a nation i in supplying imports to nation j. Trade intensity index with a value greater than one (TII>1) indicates higher bilateral trade than can be expected on the basis of their share in world trade. When the value of intensity is high between two countries, it shows that both have more potential of trade with each other.

⁸http://www.bhutanstudies.org.bt/publicationFiles/JBS/JBS_Vol11/v11-6.pdf

⁹<http://www.globalindiafoundation.org/Bhutan%20History.pdf>

¹⁰http://164.100.47.192/loksabha/writereaddata/Library/Reference%20Notes/India's_Border_Management.pdf

Results of the Study

a. Results of Revealed Comparative Advantage for Exports (RCAX)

Table-4 Products with Value of RCA Greater than 1 for Exports to Bhutan from India

Serial No	Product Code ¹¹	RCA Characteristics ¹²
1	22	India was having RCA in this product till 2004, but thereafter RCA tended to decline. India today has lost RCA in this product

- ❖ This table-4 is contrasted after seen annexure-2. Products whose RCA is greater than 1 and near to 1 i.e. 0.99 are taken as trade specialisation in that particular commodity. After seen annexure-2, it is found that India has no trade specialization in the exports of any product to Bhutan as shown in Table-4.
- ❖ Product with code 22 maintained its specialisation only for a couple of years but could not keep it (See annexure-2).

b. Results of Revealed Comparative Advantage for Imports (RCAM)

Table-5 Products with Value of RCA Greater than 1 for Imports by India from Bhutan

Serial No	Product Code ¹³	RCA Characteristics ¹⁴
1	11	The product had RCA from 2003 to 2004 but could not maintain it thereafter.
2	15	Except 2007, India has no RCA in this product
3	20	India was not having RCA in this product since 2001, but has started having RCA only after 2002. The trend of RCA tended to decline and lost trade specialization in this product. India again showed RCA after long time
4	22	India had sustainable and strong RCA in product from 2003 to 2009. However, the product lost RCA
5	28	The product had RCA for a couple of years but could not keep it after 2004. However, India again showed RCA in this product in 2008 and continued to sustain
6	37	Except 2005 & 2007, India has no RCA in this product since 2001
7	54	There is not having RCA in this product except for 2005. RCA was greater than only in 2005.
8	72	India was no having RCA in this product since 2001, but has started having RCA only after 2008
9	74	The product has sustainable and strong RCA with rising trend since 2003

- ❖ As seen from table-5, products with code 11, 22, 28 & 37 were having comparative advantage (RCA>1) for a couple of years but lost it thereafter and could not regain its specialisation. This is said after seen annexure-3.

¹¹See Annexure-1

¹²See Annexure-2

¹³See Annexur-1

¹⁴See Annexure-3

- ❖ India has sustainable and strong RCA in product with code 74 i.e. $RCA > 1$ (Annexure-3). The trend of RCA is on increasing mode.
- ❖ India has no trade specialization in products with code 15 & 54 since 2001.
- ❖ As from above table-5, products with code 20 & 72 had no RCA since 2001 but started to gain after a couple of years. Product with code 20 showed its specialization on this product after 2002. Similarly, product with code 72 has developed RCA after 2008 (Annexure-3).

c. Results of Trade Intensity Index (TII)

Table-6 Intensity of Trade Index of India with Bhutan

Year	TII for Total Trade between India and Bhutan	TII for Exports by India to Bhutan	TII for Imports by India from Bhutan
1990	20.5447	NA	NA
1991	2.6596	NA	NA
1992	21.9590	NA	NA
1993	43.8901	14.5272	53.1088
1994	152.3286	18.1914	545.179
1995	244.6013	NA	NA
1996	382.3565	NA	NA
1997	92.3914	NA	NA
1998	82.2428	11.7318	110.8996
1999	114.3032	6.5518	305.5251
2000	60.8825	NA	NA
2001	101.6071	NA	NA
2002	157.9233	NA	NA
2003	298.5599	NA	NA
2004	54.3545	NA	NA
2005	190.8773	101.6222	251.8796
2006	128.6445	47.8151	91.4348
2007	127.8312	50.0601	112.5153
2008	193.8613	64.9779	342.9872
2009	76.3301	63.2188	223.3078
2010	74.2573	49.6426	120.2377
2011	101.9572	43.4747	79.4247
2012	NA	48.0203	199.9914
2013	89.6755	NA	NA
2014	158.1425	NA	NA

The above Table-6 shows that India has strong and sustainable trade intensity with Bhutan. There is seen a great variation in intensity rate i.e. ups and downs. The rate of intensity was highest in 1996 i.e. 382.3565 thereafter a great fall in its rate i.e. 92.3914 in 1997. India's import intensity always remains greater than export intensity that means India's imports from Bhutan are greater than its exports to. India's exports to and imports from Bhutan frequently increased and decreased. In 1994, gap between import with export intensity was maximum i.e. 526.9876. Overall, India has trade prospects with Bhutan.

Discussion and Conclusions

India has become Bhutan's largest trading partner. Trade between them continued to increase. India has full trade potential and prospects with Bhutan due to high rate of intensity. No doubt, trend shows too much ups and downs. India's imports intensity is greater than export intensity during the entire period that means India's imports from Bhutan exceeds its exports to. India has no trade specialisation in the export of any product to Bhutan, but has import specialisation in the product with code 74 since 2003. Except 74, India can also import product with 20 and 72 from Bhutan. India's trade with Bhutan went to increase year after year. Still India should make efforts to develop trade specialisation in products that will lead to enhance the level of integration.

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References:

- [1] Balasaa, B. (1965). Trade Liberalisation and Revealed Comparative Advantage, *The Manchester School of Economics and Social Studies*, Vol. 33, pp. 99-123.
- [2] Bhagwati, J. (1993). *Regionalism and Multilateralism: An Overview*, In *New Dimensions in Regional Integration*, Cambridge, ed. by de Melo J. and Panagariya, A. University Press, Cambridge.
- [3] Devi, T.N. (1989). *Regional Economic Co-operation in South Asia*, Chugh Publications, Allahabad.
- [4] Drysdale P.D. and Garnaut, R. (1982), Trade Intensities and the Analysis of Bilateral Trade Flows in a Many-Country World: A Survey, *HabwhathilaNr//a/fEcolo/thf*, Vol. 22, No. 2, pp. 62-84.
- [5] Ethier, W.J. (1998). The New Regionalism. *The Economic Journal*, Vol. 108, No. 449, pp. 1149-1161.
- [6] Krugman, P. (1993). *Regionalism versus Multilateralism: Analytical Notes*, In *New Dimensions in Regional Integration*, ed. by Melo J. and Panagariya, A., CUP, Cambridge.
- [7] Malik, A.H. and Sheikh, N.A. (2016). Changing Dynamics of Indo-Bhutan Relations: Implications for India, *International Journal of Social Science and Development*, Vol.4, No. 2, pp. 44-53.

Table-1 India's Engagement in RTAs

Engagement in RTAs	Under Negotiation
Association of South East Nations (ASEAN) - India Free Trade Agreement (AIFTA)	India-Mauritius Comprehensive Economic Cooperation and Partnership Agreement (CEPA)
South Asia Association for Regional Cooperation (SAARC)	India-South African Customs Union (SACU) Preferential Trade Agreement
South Asia Preferential Trade Agreement (SAPTA)	India-Pakistan Trading Agreement
South Asia Free Trade Agreement (SAFTA)	India-EU FTA
Asia Pacific Trade Agreement (APTA)	India-EFTA
India-MERCOSUR	India-New Zealand
India-Sri Lanka	India-Canada
India-Thailand Comprehensive Economic Cooperation Agreement (IT-CECA)	Bay of Bengal Initiative for Multi Sectoral Technical Economic Cooperation-FTA
India-Nepal	Brazil, India, Russia, China and South Africa (BRICS)
India-Singapore	India-Gulf Cooperation Council (GCC) FTA
India-Chile	India-Australia
India-Afghanistan	India-Indonesia
India-Bhutan	India-Israel
India-Japan	India-Finland
India-Korea, Republic of	India-Africa Trade Agreement
India-Malaysia	India-Egypt
India-Maldives	
GSTP	

Source: Government of India, Ministry of Commerce and Industry

Table-2 Key Indicators of India and Bhutan Economy

Indicators	India	Bhutan
GDP (US\$ Current) 2015	2073542978200	1962221695.70
GDP growth (%) 2015	7.57	3.25
Area	3287260	38394
Population	1267401849	765552
Population growth (% per annual)	1	2
Population density (people per square of land area)	426	20
GNI per capita, Purchasing Power Parity (PPP) (current international)	5760	7560
GNI per capita (Atlas Method Current US\$) 2015	2049502018400	1847612463.50
Agriculture, value added (% of GDP)	17	17
Industry, value added (% of GDP)	30	42
Service, etc (% of GDP)	53	41
Exports of goods and services (%age of GDP)	24	39
Imports of goods and services (%age of GDP)	26	67
Foreign Direct Investment (FDI) (US\$)	34410758384	8379987
Gross Domestic Capital Formation (%age of GDP)	31	46
Human Development Index (HDI) Rank	135	136

Source: World Integrated Trade Solution (wits)

Table-3 Bilateral Trade between India and Bhutan (US\$ thousand)

Year	Export from India to Bhutan	Import of India from Bhutan	Export from Bhutan to India	Import of Bhutan from India
1990	2,154.84	798.02	NA	NA
1991	1,197.49	496.5	NA	NA
1992	2,423.72	1,354.52	NA	NA
1993	9,935.2	2,980.28	59,054.02	3,330.98
1994	11,092.2	18,281.72	62,015.07	3,483.54
1995	17,136.13	34,665.42	NA	NA
1996	21,979.93	33,766.85	NA	NA
1997	13,329.52	13,421.32	NA	NA
1998	9,556.5	6,132.82	1,01,637.7	4,422.02
1999	7,618.64	18,111.85	1,09,509.1	5,305.15
2000	1,087	18,330.76	NA	NA
2001	5,965.03	23,314.04	NA	NA
2002	23,119.47	24,855.69	NA	NA
2003	84,919.38	52,813.14	NA	NA
2004	87,008.3	50,910.46	NA	NA
2005	95,127.99	1,00,065.7	2,26,229.4	2,90,684.7
2006	63,804.76	1,16,287.4	3,19,432.4	2,87,629.6
2007	70,837.99	2,02,117.4	5,50,186.8	3,65,393.7
2008	1,06,121.7	1,59,772.9	4,95,781.2	4,01,750.6
2009	1,08,475.6	1,40,890.2	4,63,640.4	4,12,106.6
2010	1,59,214.6	1,85,690.3	3,40,823.8	6,40,817.5
2011	2,19,077	2,05,678.3	3,43,018.4	7,60,194
2012	1,70,757.6	1,69,271.8	4,97,716.6	7,81,471.3
2013	1,61,666.9	1,37,064.2	NA	NA
2014	2,00,366	1,44,346	NA	NA

Source: World Integrated Trade Solution (wits)

Annexure-1 Product Codes-2 digit SITC, Revision 2

Product Code	Product Description	Product Code	Product Description
1	Live animals	51	Wool, animal hair, horsehair yarn and fabric thereof
2	Meat and edible meat offal	52	Cotton
3	Fish, crustaceans, molluscs, aquatic invertebrates nes	53	Vegetable textile fibres nes, paper yarn, woven fabric
4	Dairy products, eggs, honey, edible animal product nes	54	Manmade filaments
5	Products of animal origin	55	Manmade staple fibres
6	Live trees, plants, bulbs, roots, cut flowers etc	56	Wadding, felt, nonwovens, yarn, twine, cordage, etc
7	Edible vegetables and certain roots and tubers	57	Carpets and other textile floor coverings
8	Edible fruit, nuts, peel of citrus fruit, melons	58	Special woven or tufted fabric, lace, tapestry etc
9	Coffee, tea mate and spices	59	Impregnated, coated or laminated textile fabric
10	Cereals	60	Knitted or crocheted fabric
11	Milling products, malt, starches, inulin, wheat gluten	61	Articles of apparel, accessories, knit or crochet
12	Oil seed, oleagic fruit, grain, seed, fruit, etc, nes	62	Articles of apparel, accessories, not knit or crochet
13	Lac, gums, resins, vegetable saps and extracts nes	63	Other made textiles articles, sets, worn clothing etc
14	Vegetable plaiting materials, vegetable products nes	64	Footwear, gaiters and the like, parts thereof
15	Animal, vegetable fats and oils, cleavage products, etc	65	Headgear and parts thereof
16	Meat, fish and seafood food preparations nes	66	Umbrellas, walking-sticks, seat-sticks, whips, etc
17	Sugars and sugar confectionery	67	Bird skin, feathers, artificial flowers, human hair
18	Cocoa and cocoa preparations	68	Stone, plaster, cement, asbestos, mica, etc articles
19	Cereal, flour, starch, milk preparations and products	69	Ceramic products
20	Vegetable, fruit, nut, etc food preparations	70	Glass and glassware
21	Miscellaneous edible preparations	71	Pearls, precious stones, metals, coins, etc
22	Beverages, spirits and vinegar	72	Iron and steel
23	Residues, wastes of food industry, animal fodder	73	Articles of iron or steel
24	Tobacco and manufactured tobacco substitutes	74	Copper and articles thereof
25	Salt, sulphur, earth, stone, plaster, lime and cement	75	Nickel and articles thereof
26	Ores, slag and ash	76	Aluminum and articles thereof
27	Mineral fuels, oils, distillation products, etc	78	Lead and articles thereof
28	Inorganic chemicals, precious metal compound, isotopes	79	Zinc and articles thereof
29	Organic chemicals	80	Tin and articles thereof
30	Pharmaceutical products	81	Other base metals, cermets, articles thereof
31	Fertilizers	82	Tools, implements, cutlery, etc of base metal

32	Tanning, dyeing extracts, tannins, derivs, pigments etc	83	Miscellaneous articles of base metal
33	Essential oils, perfumes, cosmetics, toiletries	84	Machinery, nuclear reactors, boilers, etc
34	Soaps, lubricants, waxes, candles, modeling pastes	85	Electrical, electronic equipment
35	Albuminoids, modified starches, glues, enzymes	86	Railway, tramway locomotives, rolling stock, equipment
36	Explosives, pyrotechnics, matches, pyrophorics, etc	87	Vehicles other than railway, tramway
37	Photographic or cinematographic goods	88	Aircraft, spacecraft and parts thereof
38	Miscellaneous chemical products	89	Ships, boats and other floating structures
39	Plastic and articles thereof	90	Optical, photo, technical, medical, etc apparatus
40	Rubber and articles thereof	91	Clock and watches and parts thereof
41	Raw hides and skins (other than furskins) and leather	92	Musical instruments, parts and accessories
42	Articles of leather, animal, gut, harness, travel goods	93	Arms and ammunition, parts and accessories thereof
43	Furskins and artificial fur, manufactures thereof	94	Furniture, lighting, signs, prefabricated buildings
44	Wood and articles of wood, wood charcoal	95	Toys, games, sports requisites
45	Cork and articles of cork	96	Miscellaneous manufactured articles
46	Manufactures of plaiting material, basketwork etc	97	Works of art, collectors pieces and antiques
47	Pulp of wood, fibrous cellulosic material, waste etc	99	Commodities not elsewhere specified
48	Paper and paperboard, articles of pulp, paper and board		
49	Printed books, newspapers, pictures etc		
50	Silk		

Source: International Trade Centre, Geneva (ITC)

Annexure-2 India RCA for Exports to Bhutan (2001-2014)

Product Code	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan
1	0	0	0	0	0	0	0	0	0.07	0	0	0.01	0.01	0.02
2	0	0	0	0	0	0	0	0.005	0.007	0.01	0.009	0.005	0.004	0.003
3	0	0	0.0002	0.005	0.001	0.001	0	0	0.0004	0.002	0.0001	0.0003	0.0001	0.00004
4	0	0.003	0.19	0.3	0.08	0.04	0.01	0.008	0.18	0.09	0.05	0.11	0.02	0.17
5	0	0	0	0	0	0	0	0.06	0	0	0	0	0	0
6	0	0	0	0.01	0	0.0001	0	0	0.007	0.007	0	0.0005	0	0.01
7	0.001	0	0.03	0.02	0.0005	0	0	0	0.0006	0	0	0	0.0006	0.001
8	0	0	0.0004	0.0002	0.00002	0.0001	0.001	0.0004	0.001	0.0003	0.001	0.0007	0.0004	0.002
9	0.00006	0	0.0008	0.0001	0	0	0.0003	0.002	0.004	0.0008	0.001	0.0004	0.0008	0.0007
10	0.03	0.03	0.06	0.05	0.04	0.03	0.01	0.006	0.009	0.007	0.008	0.004	0.003	0.004
11	0	0.04	0.04	0.12	0.02	0.003	0.03	0.02	0.03	0.05	0.008	0.0007	0.0004	0.009
12	0.0007	0	0	0	0	0	0.001	0.0004	0	0	0	0	0.0001	0.00004
13	0	0	0	0	0	0.01	0	0	0	0	0.00008	0.0002	0	0.00007
14	0	0	0	0.005	0	0	0	0	0	0	0	0	0	0
15	0	0.004	0.08	0.07	0.05	0.02	0.03	0.04	0.000404	0	0	0	0	0.002
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.01	0.03	0.05	0.19	0.18	0.02	0.008	0.006	0.17	0.03	0.018	0.02	0.009	0.01
18	0	0	0.03	0.71	0.64	0	0	0	0.01	0.008	0.07	0.053	0.64	0.12
19	0.01	0.02	0.13	0.65	0.17	0.08	0.06	0.06	0.25	0.08	0.20	0.031	0.18	0.49
20	0	0	0.004	0.06	0.01	0.01	0.01	0.02	0.03	0.02	0.03	0.02	0.007	0.009
21	0.02	0.02	0.04	0.11	0.07	0.06	0.009	0.01	0.01	0.01	0.007	0.004	0.03	0.007
22	0.63	1.2	1.61	1.79	0.87	0.34	0.19	0.08	0.34	0.17	0.20	0.11	0.01	0.02
23	0	0	0.0002	0.002	0.004	0	0.0005	0.002	0.0003	0.0001	0.0004	0.001	0.0001	0.0001
24	0	0	0	0	0	0	0	0.00002	0	0	0	0	0	0
25	0.0003	0.001	0.07	0.04	0.04	0.01	0.02	0.01	0.05	0.02	0.12	0.10	0.09	0.06
26	0	0	0	0.002	0.000009	0	0.003	0.01	0.007	0.03	0.01	0.004	0.00009	0.005
27	0.003	0.01	0.01	0.01	0.01	0.01	0.009	0.01	0.03	0.01	0.02	0.01	0.02	0.02
28	0.007	0.005	0.01	0.009	0.006	0.006	0.002	0.004	0.009	0.006	0.01	0.005	0.003	0.002
29	0.0004	0.004	0.004	0.002	0.001	0.0009	0.0007	0.003	0.001	0.001	0.003	0.0005	0.0005	0.0004
30	0.0006	0.0002	0.001	0.004	0.003	0.002	0.008	0.006	0.004	0.001	0.0008	0.002	0.001	0.0008
31	0	0	0.01	0.04	0.01	0	0.002	0	0.007	0.007	0.008	0.01	0.002	0
32	0	0	0.001	0.004	0.005	0.003	0.001	0.003	0.002	0.0006	0.001	0.002	0.001	0.001
33	0	0	0.02	0.008	0.02	0.01	0.005	0.002	0.0005	0.0001	0.003	0	0.005	0.008
34	0.01	0.07	0.19	0.44	0.17	0.02	0.02	0.01	0.02	0.007	0.05	0.02	0.04	0.04
35	0	0	0.02	0.02	0.001	0	0.0007	0.009	0	0.004	0.01	0.008	0.0006	0.0005

36	0.24	0.49	0.14	0.11	0.06	0.08	0.03	0.05	0.32	0.45	0.77	0.53	0.29	0.17
37	0	0	0	0	0	0	0	0	0.001	0	0	0	0	0
38	0.003	0.001	0.03	0.004	0.001	0.002	0.001	0.004	0.01	0.02	0.01	0.01	0.01	0.008
39	0.001	0.001	0.01	0.004	0.007	0.01	0.008	0.007	0.01	0.01	0.01	0.01	0.004	0.007
40	0	0.0008	0.0008	0.0005	0.007	0.008	0.006	0.01	0.01	0.02	0.02	0.02	0.01	0.01
41	0	0	0	0	0	0	0	0.00007	0	0	0	0	0	0
42	0.0001	0	0.00007	0.00009	0.0001	0.0003	0.0009	0.0005	0.004	0.002	0.003	0.003	0.0004	0.00007
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0.002	0.002	0.09	0.11	1.38E-01	0.05	0.09	0.13	0.03	0.03	0.04	0.01	0.01	0.38
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0.003	0.01	0.04	0.03	0.04	0.02	0.03	0.02	0.04	0.02	0.03	0.01	0.01	0.02
49	0	0	0.003	0	0.0006	0.002	0.001	0.008	0.001	0.27	0.11	0.02	0.003	0.001
50	0	0	0	0	0.0001	0	0.0003	0	0	0	0.01	0	0	0
51	0	0	0	0	0	0.004	0.001	0.04	0.01	0	0	0	0	0
52	0.0005	0.0009	0.0003	0	0	0.0006	0.0001	0.0003	0.0002	0.000004	0.00001	0.000007	0.000001	0
53	0	0	0	0	0	0	0	0.0008	0.0002	0	0.002	0.00002	0	0
54	0.0004	0	0.0018	0.001	0	0	0	0	0	0.0003	0	0.0008	0.0006	0
55	0	0	0	0.00002	0	0	0.0004	0	0	0	0	0	0.00007	0
56	0	0	0	0	0.004	0	0.007	0.001	0	0	0.001	0	0.002	0.005
57	0	0	0	0.00006	0.002	0	0.0003	0	0.0001	0	0	0.0006	0	0.00003
58	0	0	0	0.0003	0	0	0	0	0	0	0	0.005	0	0.0002
59	0	0	0	0	0	0.01	0	0	0	0	0	0	0.006	0
60	0	0	0	0	0	0	0	0	0	0	0	0.002	0	0
61	0	0	0.00001	0	0	0	0	0	0	0	0.000001	0.000001	0	0.000002
62	0	0.00003	0.00001	0	0.000008	0	0.00007	0.00007	0.0001	0	0	0	0.000006	0.000005
63	0	0	0	0.0002	0.0003	0.0003	0.0003	0.0005	0.0005	0.0009	0.0006	0.0003	0.0002	0.0002
64	0	0	0.004	0.0001	0	0	0	0	0	0	0	0.0001	0.00007	0.00006
65	0	0	0	0	0	0	0	0	0	0	0.0002	0	0	0.0003
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0.0002	0.01	0.002	0.006	0.01	0.004	0.02	0.01	0.02	0.01	0.0005	0.001
69	0	0.002	0.01	0.01	0.007	0.006	0.01	0.01	0.11	0.05	0.09	0.04	0.01	0.002
70	0.001	0.003	0.005	0.01	0.02	0.02	0.01	0.007	0.02	0.03	0.03	0.01	0.02	0.009
71	0	0	0	0.000003	0.00004	0	0	0.00003	0.001	0.0003	0.002	0	0.000004	0
72	0.01	0.05	0.11	0.07	0.09	0.03	0.02	0.02	0.06	0.04	0.06	0.05	0.03	0.03
73	0.01	0.04	0.07	0.13	0.08	0.03	0.03	0.01	0.03	0.03	0.06	0.04	0.05	0.01

74	0	0	0.002	0.002	0.006	0	0	0.002	0.003	0.0006	0.0003	0.001	0.0001	0.0001
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0.007	0.001	0.01	0.007	0.004	0.005	0.009	0.002	0.0004	0.002	0.002	0	0.005	0.006
78	0	0	0	0	0	0	0	0.005	0.06	0	0	0	0.001	0
79	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0
80	0	0.03	0	0.01	0.01	0.56	0.71	0.09	0	0.008	0.12	0	0.0005	0
81	0	0	0	0.15	0	0	0	0	0	0	0	0	0	0
82	0	0	0.06	0.004	0.05	0.009	0.004	0	0.002	0.004	0.008	0.007	0.0001	0.003
83	0.0006	0.02	0.006	0.04	0.03	0.01	0.02	0.002	0.01	0.02	0.06	0.02	0.02	0.01
84	0.003	0.01	0.09	0.05	0.04	0.04	0.02	0.02	0.03	0.05	0.04	0.03	0.01	0.006
85	0.007	0.05	0.21	0.12	0.14	0.04	0.04	0.03	0.02	0.03	0.03	0.03	0.008	0.009
86	0	0.18	0	0	0.52	0	0	0.008	0	0.002	0	0.01	0	0.03
87	0.01	0.10	0.08	0.09	0.05	0.04	0.06	0.07	0.13	0.11	0.17	0.04	0.004	0.005
88	0	0	0	0	0	0	0.0004	0	0	0	0.05	0.00009	0.00002	0.00002
89	0	0	0	0	0	0	0	0	0	0	0	0	0.00003	0
90	0	0.002	0.03	0.01	0.01	0.03	0.006	0.03	0.03	0.007	0.01	0.007	0.008	0.003
91	0	0	0.0006	0	0	0	0	0.0009	0	0.003	0	0.001	0.003	0.007
92	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
93	0	0	0.14	0	0	0	0.07	0	0	0.25	0	0	0	0
94	0	0.30	0.03	0.006	0.006	0.01	0.0008	0.004	0.01	0.01	0.02	0.006	0.003	0.007
95	0	0	0	0.001	0	0.0001	0	0	0	0	0	0	0	0.001
96	0	0	0	0	0	0.002	0	0	0	0.01	0.01	0.03	0.01	0.005
97	0	0	0.001	0.1	0.0008	0.0002	0.0003	0.001	0	0.004	0	0	0	0.001
99	0.005	0.02	0.12	0.06	0.05	0.004	0.006	0.009	0.002	0.004	0.001	0.02	0.08	0.52

Annexure-3 India RCA for Imports from Bhutan (2001-2014)

Product Code	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan	Bhutan
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0.02	0.006	0	0.01	0.06	0	0.02	0.007	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0.003	0.08	0.08	0.07	0	0.001	0	0	0	0.0002	0	0	0
8	0	0	0.10	0	0	0	0	0.004	0	0	0	0	0	0
9	0.14	0.17	0.10	0.05	0.01	0.01	0	0	0	0	0	0	0.01	0.09
10	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
11	0	0	1.37	2.42	0.54	0.04	0	0	0	0	0	0.06	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0.13	0.66	1.25	0.37	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.006	0	0.003	0	0	0	0	0	0	0	0	0	0	0
20	0.48	0.47	1.60	0.59	0.50	1.16	0.9	0.40	0.26	0.19	0.14	0.10	0.20	1.43
21	0.07	0	0	0	0	0.05	0	0	0	0	0	0	0.07	0.01
22	0.37	0.03	15.55	3.98	2.21	1.57	1.73	0.41	1.18	0.54	0.38	0.18	0.95	0.98
23	0	0	0.001	0	0	0.004	0.03	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.06	0.14	0.10	0.05	0.08	0.07	0.38	0.08	0.09	0.07	0.08	0.02	0.03	0.44
26	0	0	0	0	0	0	0	0	0	0	0.001	0	0	0
27	0.0003	0.003	0.0007	0	0	0	0	0.00002	0	0.00001	0.00001	0.00008	0.0005	0.001
28	0.83	1.46	1.72	0.76	0.72	0.56	0.80	1.12	1.05	0.91	0.84	0.88	1.01	1.05
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0.0002	0	0	0
33	0.007	0	0	0	0	0	0	0	0.002	0	0	0.00087	0.0009	0.03
34	0	0	0.08	0	0	0.006	0	0.0002	0.009	0.01	0.02	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0

36	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0.14	0.73	1.10	0.59	1.32	3.91	0	0	0	0	0	0
38	0	0	0.001	0.002	0	0	0	0.005	0.004	0.004	0.0003	0.03		0
39	0.01	0.01	0.05	0.009	0.002	0.008	0.01	0.06	0.08	0.13	0.10	0.06	0.09	0.09
40	0	0	0	0	0	0.004	0	0	0	0.004	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0.66	0.75	1.11	0.59	0.66	0.65	0.63	0.57	0.78	0.44	0.38	0.45	0.24	0.24
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0.0004	0	0.08	0.001	0	0	0	0.04	0	0	0	0
49	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0.00003	0	0	0	0
53	0	0	0	0	0	0.09	0	0	0	0	0	0	0	0
54	0	0	0.39	0.75	1.54	0.74	0.64	0.31	0.15	0.03	0.007	0.01	0.002	0.0003
55	0	0	0.0003	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0.54	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0
63	0	0	0	0	0	0	0	0	0	0	0.007	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0.78	0.88	0.08	0.08	0.21	0.42	0.53
69	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0.003	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0.000003	0
72	0.65	0.74	0.99	0.61	0.50	0.48	0.59	0.96	1.61	1.71	1.68	1.57	1.73	1.14
73	0.002	0	0.005	0	0	0.0001	0	0.0001	0	0	0	0	0	0

74	0	0	1.26	1.49	2.85	5.08	7.76	1.70	3.30	3.34	2.97	1.76	0.27	0.19
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0.003	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0.006	0	0.0009	0.0001	0	0	0	0	0	0	0.00007	0	0	0
85	0.0002	0	0.003	0	0	0	0.001	0.002	0.0005	0.00006	0.001	0.0003	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0.00008	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0.003	0.03	0.06	0.04	0.24	0.10	0.06	0.008	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0.0001	0	0.13	0.15	0.12	0.07	0.01	0	0	0	0.0006	0.00001	0.0001	0