

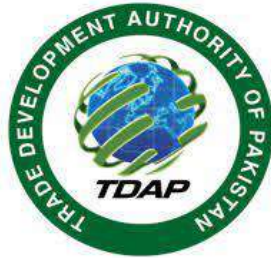
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## **Analyses of Tariff Rationalization of 1623 Tariff lines**

Researcher: Taha Farooq

Research Head: Khalid Mustafa

Research Editor: Salman Raza



Research Wing

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## Acronyms

ACD	Additional Custom Duty
CAP	Cost at port
CD	Custom Duty
CIF	Cost insurance and freight
FED	Federal excise duty
HS	Harmonized system
IT	Income tax
RD	Regulatory Duty
SRO	Statutory regulatory order
ST	Sales tax
WHT	Withholding tax
WITS	World integrated trade solution
PBS	Pakistan Bureau of Statistics
CAGR	Compound Growth Rate
MoC	Ministry of Commerce
FBR	Federal board of Revenue
ITC	International trade Map



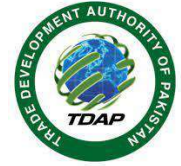
## **Executive Summary**

Tariffs are considered one of the most common trade barriers. For free trade and economic growth, tariff rationalization is important. Tariff Rationalization is an important topic for the growth of economy especially for a developing country like Pakistan. Pakistan faces tariff anomalies mainly due to policy problems and due to industrialist pressures that protect their interest. Tariff rationalization is the process of changing the tariff structure in a way to end the tariff anomalies in the tariff structure.

Before considering tariff rationalization and its case in Pakistan, we must understand tariffs, their function, and its implication. This report gives a brief overview of the concept of tariff. Then the purpose of tariff implementation and how Government uses it for revenue generation purposes. Further, it explains the authorities which implement tariffs, the procedure of implementation, and the authority which collects tariffs. Tariff classification for the import duties and explaining Custom duty, Regulatory duty, Additional Customs duty, Sales duty, and Withholding tax.

Having explained the background, the report then explains the concept of tariff rationalization, justification for tariff rationalization, Pakistan's tariff policy. A regional comparison of Pakistan with South East Asia and East Asia is also conducted. Further, the need for tariff rationalization in the case of Pakistan is emphasized, explaining its need in the present economic condition, and a recent tariff rationalization of 1623 tariff lines are analyzed on which Additional custom duty was removed in a press release by FBR. These products already have zero custom duty except natural gas. The analysis is based on four categories of stages of production of products as stated by the Pakistan Bureau of Statistics namely Consumer goods, Capital goods, Raw material for Consumer goods, and Raw material for Capital goods. The products are sorted based on import values. The analysis is based on the average import value, importing trends before tariff rationalization





## Chapter 01: Introduction

The discussion of tariffs starts with the “infant industry argument”<sup>1</sup> which is based on the idea that developing countries, being a late entrant in the industrialization process, need to protect domestic industries from foreign competition and if not protected, those industries will be at disadvantage in the market due to uneven competition. Higher cost of production for new firms creates a situation in which they cannot set prices of their goods high in free trade environment to earn initial investment. With the “infant industry argument” the idea that there is a lack of exchange in trade relations between developed and developing countries as developed industrial countries implement the idea of comparative advantage<sup>2</sup>. Rich countries emphasize for a reduction in tariffs in less developed countries but they simultaneously employ protectionist policies against the import of primary products. (Prebisch, 1959).

Developed countries practiced protectionism for long periods and tariffs were used as a policy to protect the infant industries. Like USA and UK followed protectionist policies during the developing stage of their textile and iron industry. (Chang, 2009). The argument of protecting industries was countered by the free trade argument as free trade was characterized by economic growth and development. For example, East Asian countries development strategy was focused on free trade. Free trade must be credited with boosting the economic development of East Asian countries. Improved export incentives like duty-free inputs used in exports, exemption from indirect taxes, and elimination of overvalued exchange rates enhanced the profitability of potential export products in these countries (Mankiw 2003).

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1 Infant industry argument states that new industries require protection from international competitors until they become mature and stable.

2 Comparative advantage is an economy's ability to produce a particular good or service at a lower opportunity cost than its trading partners.



The literature on tariffs has also explored the inverse relation between tariffs and economic growth. Most tariffs reduce growth both in the short-run as well as long-run (Osang & Pereira, 1996), while trade reforms that significantly reduce tariffs have a positive impact on economic growth, (Irwin, 2019). Import tariffs play an important part in the economic policy-making of a country. When import tariffs are applied effectively, that is lower duties on raw material and intermediate material and applying duty on final goods and luxury goods benefit the economy in the long run by making input goods cheaper for local industries hence lowering the cost of production and making output goods import expensive. (Krugman, 1997)

However, if import tariffs are applied ineffectively that is raw materials, intermediate materials and finished materials face tariff anomalies, the cost of production increases. When the cost of production increases industrial investment becomes less viable causing de-industrialization. Inefficient tariff structure nourish incompetence by protecting the inefficient producers as they receive protection when tariffs are applied on the goods from the foreign market which they are producing. These producers set high prices imposing costs on consumers by making industrial products expensive and creating anti-export bias<sup>3</sup> by making the domestic market more attractive than exports hence discouraging exports as the local market is more profitable. (Krugman, 1987)

Domestic firms benefit from lower tariffs through access to cheaper, more sophisticated, and new types of input goods from a foreign country (Romer, 1994). All types of tariff reductions, however, should not be expected to increase economic growth at the same rate and level. For example, reducing tariffs on final consumption goods is beneficial for consumers but does not increase a country's growth in the same way as a reduction in tariffs on capital goods and input goods may do by expanding capital stock and improvement in technology. The countries which reduced tariffs

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<sup>3</sup> The change in relative value added price of exportable goods compared to those of non-traded goods induced by protection



on input goods and capital goods observed high growth accelerations compared to countries that reduced tariffs on consumption goods or the overall average tariff. (Taylor, 2013)

Reduction in tariffs on raw material improves productivity in the following two ways. First, due to the increase in competition, firms become more efficient and reduce their cost of production to compete. Second, due to a reduction in tariffs on input goods, domestic firms get access to less expensive raw materials which produce less expensive output goods and help by lowering prices, increasing quality, and increasing the variety of inputs. Reduction in input tariffs is also associated with better export performance. Access to cheaper input makes exporting firms more competitive. Evidence suggests the positive impact of input tariff reduction on exports and export value (Cruz & Borolo, 2015).



## Chapter 02: Tariff

A tariff is a tax levied on imports of goods on the border applied by the importing country. Its effect is to raise the price of the product in the domestic market. Tariff rates levied on the value of imported products vary depending on the product and country and the existence of a preferential trade agreement. Most of the countries assess tariffs on a CIF basis (cost, insurance, and freight), but a few on FOB (free on board) basis.

### 2.2. Purpose

The basic purpose to apply tariffs are two:

1. Generate revenue for Government.
2. Protecting domestic industries against foreign competition.

#### 2.2.1. Source of revenue for Government

Tariffs on imported goods allow the government to earn revenue. The revenue function comes from the fact that the income from tariffs provides governments with a source of funding. In the past, the revenue function was one of the major reasons for applying tariffs, but economic development and the creation of systematic domestic tax codes have reduced its importance in developed countries. In some developing countries, however, revenue may still be an important tariff function. Revenue generating tariff will divert resources towards the production of those goods and services on which tariff is imposed.

#### 2.2.2. Domestic industries Protection

The second purpose of tariffs is to safeguard the interest of the local industry. Tariff is also a policy tool to protect domestic industries by changing the conditions under which goods compete in such a way that competitive imports are discouraged by applying tariffs making it expensive than domestically produced goods. For example in the context of Pakistan textile industry, iron and steel industry are protected by applying high tariffs on the finished products of these industries. Protective tariff shifts the production from export industries to the protected domestic industry.



Generally, tariffs and other customs fees are collected at the time of customs clearance in the port of entry. They can increase the cost of the product to foreign buyers and impact competitiveness in the market.

### **2.3. The legal framework of Tariff for Pakistan**

- On 20th January 1968, a bill was passed in the National Assembly to consolidate and amend the law of customs, which were previously based on the Sea Customs Act of 1878. The bill was passed and was called the Customs Act, 1969.<sup>4</sup>
- Customs Act 1969, section 25(1) states that the custom value of imported goods shall be the transaction value that is the price paid or payable for the goods when sold for export to Pakistan.
- In Pakistan, as in most other countries, the general direction and nature of trade policies are announced each year in the budget, and the budget papers list changes in protective tariffs together with changes in other taxes. These changes are then included in the new Customs tariff schedule. This procedure is a legitimate part of any government's fiscal policy and duty changes can be debated and questioned in parliament. However, for many reasons, the government may wish to change duties after the budget and during the fiscal year.
- The Federal Government rules of business 1973 states that tariff policy and protection policy is the mandate of the Ministry of Commerce.
- The Ministry of Commerce administers the trade defense laws (related to Anti-Dumping, Safeguards, and Countervailing Duties) through the National Tariff Commission, negotiating tariff concessions under the bilateral and multilateral arrangements, and formulating the National Trade Policy, of which tariffs are the primary instrument.

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<sup>4</sup> Customs Act



- National tariff Commission which is an agency of the Ministry of Commerce, processes and recommends tariff adjustments which are then announced in SROs issued by FBR.

## **2.4. Tariffs classification**

In the First Schedule of Customs Act, 1969 duties were levied including the customs duty. According to the First schedule of Customs act of 1969 Pakistan charges six types of duties on imports namely custom duties, regulatory duty, additional customs duties, sales tax, withholding tax, and federal excise duty.

### **2.4.1. Customs duty**

It refers to the basic duty imposed on goods when they are transported across international borders. It is the tax that is levied on the import and export of goods. It is charged on an ad-valorem basis. The government uses this duty to raise its revenues, safeguard domestic industries, and regulate the movement of goods. For example, a customs duty of 10percent on import of automobile parts costing Rs100 means the importer has to pay extra 10 rupees in the shape of custom duty.

### **2.4.2. Additional customs duty**

It is a specific form of duty that the government imposes to protect domestic producers by countering the negative impact of subsidies applied in the exporter country to favor the domestic industry. The duty nullifies and eliminates the price advantage (low price) enjoyed by an imported product when it is given subsidies or exempted from domestic taxes in the country of origin. The duty raises the price of the imported product, bringing it closer to its true market price. For example, Malaysia announces subsidy for the fertilizer industry decreasing the cost of production, so when fertilizer will be imported from Malaysia ACD will be applied to make its price equal to or more than the domestic fertilizers price. This duty is imposed on imported goods specified in the First Schedule at a rate not exceeding 35percent of the customs value of the goods, through SROs issued by the federal government (section 18(5), Customs Act).



### **2.4.3. Regulatory duty**

It is to protect the domestic market from foreign competition. When the domestic market is in its growing stages and Government wants to protect it, regulatory duty is imposed on the import of the final product of that market. For example, if Government wants to protect the tiles industry in Pakistan, regulatory duty will be applied on the finished tiles from the foreign market to encourage consumers to buy from the domestic market. This duty can be levied on the import or export of any of the goods listed in the First Schedule at a rate not exceeding 100percent of the customs value of these goods, by SRO issued by the FBR with approval of the supervising Ministry. This duty applies in addition to any customs duty (section 18(3), Customs Act).<sup>5</sup>

Apart from these duties, a withholding tax is charged on imports only and serves as an advance income tax to be settled when the taxpayer submits his or her income tax. Sales tax of 17percent is levied on imports and domestic production. Federal excise duty is also applied on some goods especially related to the automobile industry.

## **2.5. Tariff Rationalization**

### **2.5.1 Basic Concept:**

Tariff rationalization is the process of changing the tariff structure in a way to end the tariff anomalies<sup>6</sup> in the tariff structure so that the cost of doing business could be reduced by providing cheap raw materials to the industrial sector. The tariff structure is rationalized by reducing the average tariff rates and the number of duty slabs, lowering the gap between legal nominal protection and observed levels, and narrowing down the tariff distribution. Through this process, the decision of importing and exporting goods can be made efficiently, resulting in higher

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<sup>5</sup> Customs Act

<sup>6</sup> Irregularity in the tariff structure mainly high tariffs on the raw material stage and low on the final material stage.



productivity in the economy. (Head, 1999) Developed nations tend to lower the tariffs as their industries become market competitive. While developing nations tend to safeguard domestic industries by applying tariffs on the finished products of protected industries. This creates an uncompetitive market as long as tariffs are applied which restrict international goods in the market. (Cruz, 2015)

If tariffs on raw material imports are greater than tariffs on finished products made from that raw material, imports will be encouraged and domestic industry would suffer as a result of higher production costs. If tariffs are implemented correctly tariff reduction can protect domestic industry by boosting competitiveness and encouraging investment by allowing access to cost-effective raw materials. It will be used to produce competitive final products that can be exported, helping to improve the balance of payments. However, if tariffs are managed ineffectively, manufacturers might suffer due to the high cost of production as tariffs applied on raw materials will increase the cost. (Cherif, 2019)

### **2.5.2 Pakistan's tariff policy:**

Pakistan's tariff policy has reversed to protectionism, discretion, and complexity over the last decade. This is a significant shift from the country's major trade liberalization effort in the mid-1990s, which resulted in lower import tariffs, a simpler overall tariff structure, and the elimination of most quantitative limits and non-tariff barriers. Import substitution policies that restrict exports have steadily reversed the advantages made in the 1990s and early 2000s. The number of statutory customs duty rates doubled from four (5, 10, 15, and 25 percent) to eight (0, 5, 10, 15, 20, 25, 30, and 35 percent) between FY2004/05 and FY2012/13, leading to higher tariff. In effect making imported intermediate inputs more expensive, this protectionist trade policy has left Pakistan's export sector at a disadvantage relative to its competitors. (Saad, 2011)

Overall Trade Restrictiveness Index (OTRI) provided by the World Bank states that Pakistan is the 7th most protected economy in the world. Pakistan's tariffs are almost twice as high as the world average and three times higher than those in East Asia and the Asia Pacific.

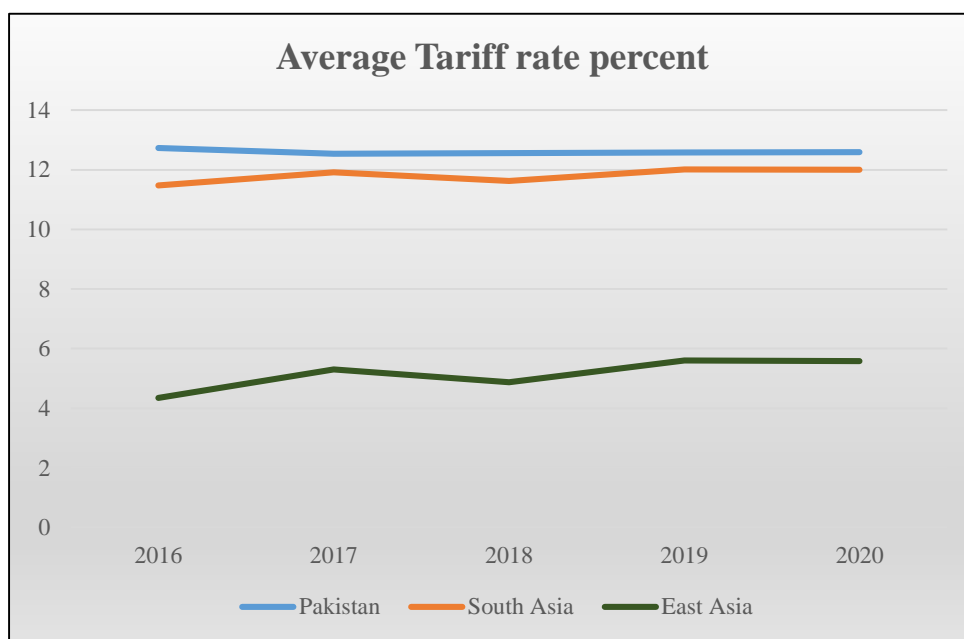




### 2.5.3. Regional Tariff Comparison:

Pakistani tariffs are higher than those of other South Asian countries. In 2020, Pakistan's simple average tariff was 12.55 percent, compared to a South Asian average of 12 percent. Government's efforts to lower tariffs have lagged behind regional trends. Between 2016 and 2020, Pakistan's average tariff fell by 0.5 percentage points. By comparison, South Asia's simple average tariff over the same period declined by 1 percent and East Asia's average tariff increased by 0.94 percent, from an already low rate of 4.87 percent in 2016 to 5.58 percent in 2020.<sup>7</sup>

Figure 1: Simple average tariff, Pakistan compared to South & East Asia Pacific 2016–20



Source: WITS



#### **2.5.4 Pakistan trade liberalization:**

In the case of Pakistan, tariff rationalization has been changing over time. According to the National tariff commission (2020), Pakistan's export since 2001 has been increasing with the reduction in tariffs. From FY 2001 to FY 2009 the applied average tariff in Pakistan was reduced from 24 percent to 9 percent. The exports showed an increase from USD 9 billion to USD 25 billion during this period.

But after FY 2014 an increasing trend was noticed in the applied average tariffs from 9 percent to 12 percent hampering imports of required raw and intermediate materials used in the exporting sectors. A decline in exports was noticed to USD 23 billion in FY 2019.<sup>8</sup>

The fact that the economy witnessed de-industrialization with the share of industrial production going down from 26.4 percent of the GDP in FY2010 to 20.3 percent in FY2019, and the share of exports going down from 13.5 percent of GDP in 2010 to 7 percent in 2019, demonstrates the adverse impact of higher tariffs on the economy.<sup>9</sup>

#### **2.5.5 Need for Tariff rationalization in Pakistan:**

Tariff rationalization is the need of time for Pakistan. The Government can rationalize tariff policy by lowering the average tariff. Lowering average tariff means imports will increase and enhance competition in the market, encouraging domestic firms to compete with the international market hence improving export as access to inputs at world prices will be increased. It would reverse the anti-export bias<sup>10</sup> and deepen regional integration

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<sup>8</sup> National-Tariff-Policy-2019-24.

<sup>9</sup> National-Tariff-Policy-2019-24.

<sup>10</sup> Anti-export bias is the change in relative value added price of exportable goods compared to those of non-traded goods induced by protection.



### **Chapter 03. Analyses of 1623 Rationalized Tariff lines**

In recent times Government has taken steps to rationalize duties. In a press release, FBR stated that Additional custom duty on 1,623 tariff lines, about basic raw material and intermediate goods, were reduced to zero through the Finance Act, 2020.<sup>11</sup> Custom duty on these tariff lines is already zero except Natural gas (HS Code 27111100), 11% CD is applied on it.

The items among 1623 lines covers Mineral fuels, Cotton, Nuclear reactors, boilers, machinery and mechanical appliances, Organic chemicals, Electrical machinery and equipment, Miscellaneous chemical products, Inorganic chemicals, Fertilizers, Pharmaceutical products, Plastics. Highest number of tariff lines lies in organic chemicals (432 tariff lines). Second highest share is of Nuclear reactors, boilers, machinery and mechanical appliances (399 tariff lines). Tin, Lead, Glass, wadding and animal wool had less than 5 tariffs lines each.

6 Tariff lines have imports more than 2 billion USD all belongs to chapter 27 (Mineral fuels). More than 33 tariff lines lie between 100 – 900 million USD imports. 638 tariff lines have less than 1 million USD imports. These 638 tariff lines import value is USD 168.78 million.

An important result to discuss is that 176 tariff lines have zero imports in the last five years. 62 Tariff lines are from chapter 29(Organic Chemicals), 22 are from chapter 81(other base metals), 26 are from chapter 71 (Natural or cultured pearls, precious or semi-precious stones), 19 are from chapter 26 (Ores, Slags and Ashes), 15 are from chapter 44 (Wood and articles of wood).

Total imports of 1623 tariff values in 2020, 2019, 2018 is USD16.24 Billion, USD18.54 Billion and USD14.26 Billion respectively. On average total relief in terms of ACD will be approximately USD 487 million. 6 tariff lines have a total import of USD 6.27 Billion. If these 6 tariff lines are excluded from import value 1623 tariff lines, the import value amounts to USD 9.971 Billion

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<sup>11</sup>[fbr.gov.pk/pr/exports-facilitation-strategy-of-fbr-leading](http://fbr.gov.pk/pr/exports-facilitation-strategy-of-fbr-leading)



### 3.1 Analyses on HS Code 2 level (Chapter-wise)

Sr. No.	Chapter Name	HS 2 Code	Average Import Values during 2016-2020 (000 USD)	Number of Tariff lines	Average tariff applied by Pakistan
1	Mineral fuels, mineral oils	27	17,554,242	17	7.8
2	Cotton	52	6,189,429	8	13.3
3	Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	84	4,889,284	399	9.4
4	Organic chemicals.	29	3,158,701	432	5.7
5	Electrical machinery and equipment and parts	85	1,517,245	91	14
6	Miscellaneous chemical products.	38	887,927	22	9.6
7	Inorganic chemicals;	28	726,309	123	4.8
8	Fertilizers.	31	670,131	22	3
9	Pharmaceutical products.	30	485,452	8	11.2
10	Plastics and articles thereof	39	406,500	14	13.6

Source: Ministry of Commerce

Following are the chapter's mentioned from 1623 tariff lines with respect to the highest average import values during 2016-20.

#### 3.1.1. Mineral fuels, mineral oils and its products (Chapter 27)

Among the given 1,623 import items, Chapter 27 (mineral fuels and oils) had the highest average imports, in value terms (**Table 1**). This chapter had 17 tariff lines. Out of which 6 tariff lines have more than 2 Billion USD average import and 5 tariff lines have less than 1 million USD average imports.



With respect to average import values (Table 2) highest share was of spirit-type jet fuel (HS Code 271012), aviation spirit (HS Code 271012), and kerosene (HS Code 271019). However, the tariff lines which had the lowest average imports were: toluol (HS Code 270720), butanes (HS Code 271113), and ethylene (HS Code 271114). That said, with respect to compound annual growth rate (CAGR), the top products were natural gas (HS Code 271111), Butanes (HS Code 271113), L.P.G (271119) and Xylol (HS Code 270730)

HS 2	HS Code	Description	Average Import Values during 2016-2020 (000 USD)	CAGR
27	27101230	--- Spirit type jet fuel	2,588,000	3.1
27	27101220	--- Aviation spirit	2,342,421	3.1
27	27101911	----Kerosene	1,605,690	-14.6
27	27101913	----J.P.4	1,906,678	-14.6
27	27101900	----Spin finish oil	1,505,000	-14.6
27	27111100	-- Natural gas	2,079,178	19.6
27	27111910	--- L.P.G.	368,005	11.8
27	27111900	--- Other	272,035	11.8
27	27073000	- Xylol (xylenes)	20,828	3.9

Source: Author's calculation based on ITC Trade map data

### 3.1.2. Cotton (Chapter 52)

Chapter 52 (cotton) had the second highest average imports during 2016-2020 (**Table 1**). This chapter had 8 tariff lines. With respect to average import values (Table 3) highest share was of Cotton, neither carded nor combed (HS Code 52010030, 52010040, 52010050, 52010060, 52010070). However the tariff line which had the lowest average import was Cotton neither carded nor combed length exceeding 34.5 mm (HS Code 52010080). That being said, with respect to CAGR, the top-performing product was Cotton neither carded nor combed length exceeding 30 mm but not 34.5mm.



Table 3: Chapter 52 Top products in Descending Order of their Average Import Values during 2016-2020

HS 2 Digits	HS Code	Description	Average Import Values during 2016-2020 (000 USD)	CAGR
52	52010030	--- Length not exceeding 20.5 mm	884,233	12%
52	52010040	--- Length exceeding 20.5 mm but not exceeding 24.5 mm	822,203	9%
52	52010060	--- Length exceeding 28.5 mm but not exceeding 31 mm	384,233	11%
52	52010050	--- Length exceeding 24.5 mm but not exceeding 28.5 mm	224,203	13%
52	52010090	--- Other	221,432	4%
52	52010080	--- Length exceeding 34.5 mm	214,203	2%
52	52010070	--- Length exceeding 31 mm but not exceeding 34.5 mm	114,203	16%

Source: Author's calculation based on ITC Trade map data

### 3.1.3. Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof (Chapter 84)

Among the given 1,623 import items, Chapter 84 (Nuclear reactors, boilers, machinery and mechanical appliances) had the third highest average imports during 2016-2020 (Table 1). This chapter had 399 tariff lines. Out of which 4 tariff lines have zero imports from last five years. And 8 tariff lines have more than 100 million USD average imports in last five years. 122 tariff lines have less than 1 million USD imports in last five years.



With respect to average import values (Table 4) highest share was of Compressors for refrigerating equipment (HS Code 841430), Gas turbines of a power greater than 5,000 kW (HS Code 841182), and parts of gas turbine (HS Code 841199). However the tariff lines which have the lowest average imports were: Machinery for agglomerating, shaping or molding solid mineral fuels, (HS Code 847480) and Self-propelled mechanical shovels and excavators (HS Code 842959).

With respect to CAGR, the top products were: Machine tools for working stones, concrete, asbestos cement or similar mineral substances (HS Code 846490), and Gas turbines of a power less than or equal to 5,000 kW (HS Code 841181).

HS 2	HS CODE	Description	Average Import Values during 2016-2020 (000 USD)	CAGR
84	84143010	- - - Used with HCFC and non-CFC gases	189,088	-1.2
84	84118200	- - Of a power exceeding 5,000 kW	133,691	-48.9
84	84119900	- - Other	106,346	-12.9
84	84798910	- - - Eyeleting, fastening and thread sucking machines	166,101	2.4
84	84798920	- - - Automatic machines for attaching rivets, metal buttons, eyelets etc on garments.	103,302	1.4
84	84798930	- - - Tableting machines	121,333	2.1
84	84798940	- - - Capsule polishers	101,321	1.1
84	84798950	- - - Tyre changers	133,311	1.4
84	84295900	- - Other	94,104	-20
84	84748010	- - - Hydraulic press for ceramic industry of capacity exceeding 80 tons	88,921	-32.3

Source: Author's calculation based on ITC Trade map data



### 3.1.4. Organic chemicals (Chapter 29)

Chapter 29 (Organic Chemicals) had the fourth highest average imports during 2016-2020 (Table 1). This chapter had 432 tariff lines. Out of which 80 tariff lines have zero imports from last five years. More than 177 tariff lines have average import of less than 1 million USD.

With respect to average import values (Table 5) highest share was of Ethylene glycol (HS Code 29053100), Nitrile-function compounds (excluding acrylonitrile) (HS Code 292690), and Terephthalic acid and its salts (HS Code 291736). However the tariff lines which have the lowest average imports were: Ergotamine and its salts (HS Code 293962) and Rutoside and its derivatives (HS Code 293810).

With respect to CAGR, the top products were: Heterocyclic compounds with nitrogen (HS Code 293359), and Isocyanates (HS Code 292910).

Table 5: Chapter 29 products in Descending Order of their Average Import Values during 2016-2020

HS 2	HS CODE	Description	Average Import Values during 2016-2020 (000 USD)	CAGR
29	29053100	Ethylene glycol	238,270	-5.5
29	29269000	Nitrile-function compounds (excluding acrylonitrile)	100,557	3.3
29	29173600	Terephthalic acid and its salts	94,638	2.4
29	29349900	Ingredients for pesticides	82,056	3.2
29	29012100	- Ethylene	74,400	-7.5
29	29291000	- Isocyanates	71,956	5.8
29	29051100	- - Methanol (methyl alcohol)	45,600	4.2
29	29335910	Diethyl	41,516	12.8

Source: Author's calculation based on ITC Trade map data





### 3.1.5. Electrical machinery (Chapter 85)

Chapter 85 (Electrical machinery) had the fifth highest average imports during 2016-2020 (Table 1). This chapter had 91 tariff lines, out of which 27 tariff lines had less than 1 million USD imports.

With respect to average import values (Table 6) highest share was of photosensitive semiconductor devices (HS Code 854140), Generating sets (HS Code 850239), and Generating sets wind-powered (HS Code 850231). However the tariff lines which have the lowest average imports were: Machinery for agglomerating, shaping or molding solid mineral fuels, (HS Code 847480) and Self-propelled mechanical shovels and excavators (HS Code 842959).

With respect to CAGR, the top products were: Parts of electric filament or discharge lamps (HS Code 853990) and Parts suitable for use solely or principally with transmission and reception apparatus for radio-broadcasting or television (HS Code 852990).

Table 6: Chapter85 products in Descending Order of their Average Import Values during 2016-2020

HS 2	HS CODE	Description	Average Import Values during 2016-2020 (000 USD)	CAGR
85	85414000	Photosensitive semiconductor devices	451,253	-6.2
85	85023900	Generating sets	241,861	0.5
85	85023100	- - Wind-powered	217,970	-23.5
85	85030010	- - - Of machine of heading 8501.1000, 8501.2000, 8501.3100, 8501.3200, 8501.3300,8501.3400,8501.4010,8501.5110,8501.5210,8501.5320,8501.5330, 8502.3100 &8502.3900	66,345	-28.0
85	85049010	- - - On load-tape changer for power transformers	34,532	-2.0
85	85049020	- - - Bushings for power transformers	34,532	-2.0
85	85049030	- - - Of machines of heading 8504.4090	34,532	-2.0
85	85437000	- - - Other	34,394	-7.3
85	85299020	transmission and reception apparatus for radio-broadcasting or television	33,921	31.8
85	85444210	- - - Computer leads	19,594	-5.8

Source: Author's calculation based on ITC Trade map data

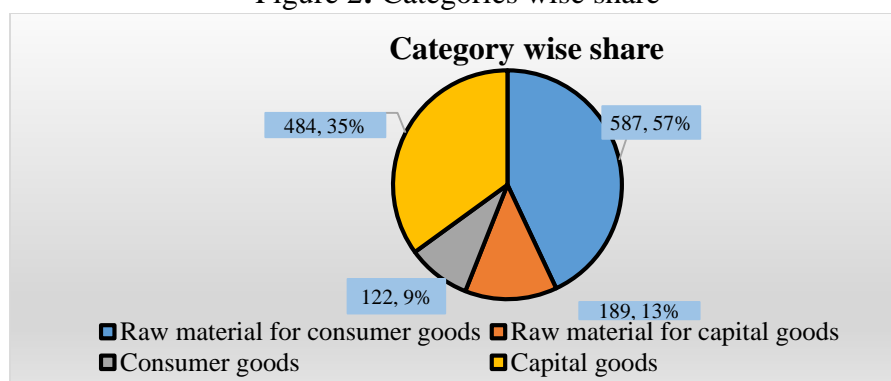


### 3.2 Analyses on Stages of Production (HS Code 8 level)

This report also analyzes 1623 tariff lines (See Annexure 1) based on stages of production as identified by the Pakistan Bureau of Statistics namely Consumer goods, Raw material for consumer goods, Raw material for capital goods, and Capital goods.

Out of the 1623 tariff lines, 587 tariff lines are from the Raw material for consumer goods, 189 tariff lines are from Raw material for capital goods, 122 are from Consumer goods and 484 are from Capital goods. The top ten products are identified from each category based on import value from highest to lowest. The analyses also include the consumption of the product in Pakistan’s economy and the industries in which the product is used in Pakistan. Industries are pointed out so the benefit of rationalization can be identical. Further countries are mentioned with each product which reduced import duty on the specified product proving beneficial for the domestic industry. Out of the 1623 tariff lines, the following is the category-wise division. Category wise division is as follows

Figure 2: Categories wise share



Stages of Production	Number of Tariff lines
Raw material for consumer goods	587
Raw material for capital goods	189
Consumer goods	122
Capital goods	484

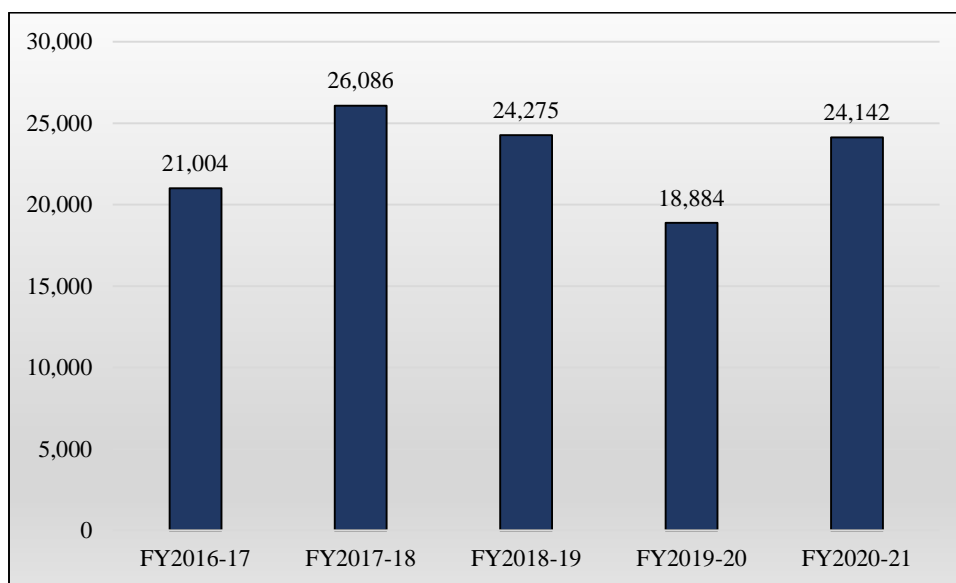
Source: Author’s calculation based on Ministry of Commerce data



### 3.2.1. Raw material for Consumer goods

Raw materials for consumer goods are the basic as well as the intermediate goods used for the production of finished consumer goods. It means till a final product is produced completely all the materials used in the production chain of consumer goods are called raw materials for consumer goods. For example, food and clothes.

Figure 3: Imports of Raw Material for Consumer Goods (in 000 US\$)



Source: Pakistan Bureau of Statistics

The above figure shows the import trend of Raw materials for consumer goods. Raw material for consumer goods holds the highest share in the imports of Pakistan. This implies that Pakistan's economy is based on consumer goods rather than capital goods. This is the reason for the focus of tariff rationalization on raw materials for consumer goods. Its share is 587 out of 1623 tariff lines.



Table 7: Top import of raw material for consumer goods from 1623 Tariff lines

HS CODE	Description	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
27111100	Natural gas, liquefied	2,237,152	19.6	11	0		17	11
31053000	Diammonium hydrogenorthophosphate	558,916	-4.8	0	0		17	11
89080000	Vessels and other floating structures for breaking up	351,467	-10.7	0	0		17	11
29053100	Ethylene glycol	238,270	-5.5	0	0		17	11
38170000	Mixed alkylbenzenes	91,898	7.8	0	0		17	11
39072000	Polyethers, in primary forms	83,029	-1.5	0	0		17	11
29012100	Ethylene	74,400	-7.5	0	0		17	11
32061110	Pigments and preparations based on titanium dioxide	73,369	2.6	0	0		17	11
47032100	Semi-bleached or bleached coniferous chemical	62,535	14.5	0	0		17	11
39095000	Polyurethanes, in primary forms	59,666	18.1	0	0		17	11

Source: Author's calculation based on ITC Trade map data (Units: 000 USD) and FBR.

The above-mentioned products are sorted from 587 products (See Annexure 2) based on average imports (2016-2020). Table 8 shows Countries with zero tariff on the specified products. Among these, Natural gas (HS 271111), constitutes the highest import value of USD2.7 billion. Its import show increasing trend over the past five years. It is used for generating electricity, also by the industry for manufacturing and fertilizer production. It is also used as a fuel for cars, and the majority of households use gas for cooking and heating.

Di-ammonium hydrogen orthophosphate (HS 310530) accounts for the second most imported item among the raw materials for consumer goods. Its average import value is USD 558 million. Its import shows the decreasing trend over the past five years. Di-ammonium phosphate is the world's most widely used phosphorus fertilizer. It is made from two common constituents in the fertilizer industry and it is popular because of its relatively high nutrient content and its excellent physical properties. It can be applied in autumn for tilling and in spring during sowing, as well as for pre-



sowing cultivation. Dissolving in soil, provides temporary alkalization of soil solution around the fertilizer granule, thus stimulating better uptake of phosphorus from the fertilizers on acid soils. Reducing import duty on this item can be beneficial for the agriculture sector as fertilizer's cost of production will be reduced about benefit for the farmers. Bangladesh has also applied zero tariff on this item.

Ethylene glycol (HS 290531) has an average import value of USD 238 million. Ethylene glycol is a colorless, odorless, sweet-tasting chemical. Its CAGR<sup>12</sup> is -5 percent implying that its import has decreased over the years. It is a useful industrial compound found in consumer products, including automotive antifreeze, hydraulic brake fluids, some stamp pad inks, ballpoint pens, solvents, paints, plastics, films, and cosmetics. Reduced import duty can lower the cost and increase the production of the industries used in production of consumer goods as mentioned. Egypt has also applied zero tariff on this item.

Mixed alkyl benzene and mixed alkyl naphthalene (HS 381700) imports have increased with an average import of USD 91 million and a CAGR 7percent showing increase in the imports over the years. In Pakistan, it is used in plastics, resins, fuels, and dye-making. It is also used in paints and the production of insecticide and disinfectants. Azerbaijan has also applied zero tariff on this item.

Polyether's (HS 390720) imports have decreased with an average import of USD 83 million. Its CAGR is -1.47percent showing a slight decrease in imports. Polyether's major use is in polyurethane foams. Flexible foams are primarily used in cushioning applications such as furniture, bedding, and car seats, and in carpet underlay. Polyether's largest consumer is the construction industry where it is mostly used for insulation. Polyether is also used in commercial refrigeration and packaging. Polyether is also used in impression materials in dental restorations. Vietnam has also applied zero tariff on this item.

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<sup>12</sup> The annual compound percentage change in the value of exports/imports between two periods.



Titanium dioxide (of a kind used for coloring any material) (HS 320611) has an average import value of USD 73 million. Its imports have an increasing trend as its CAGR is 2.6percent. Titanium dioxide is used in a range of industrial and consumer products, including paints, coatings, adhesives, paper, plastics and rubber, printing inks, coated fabrics and textiles, as well as ceramics, floor coverings, roofing materials, cosmetics, toothpaste, soap, water treatment agents. Mostly used in the paint industry. Thailand has also applied zero tariff on this item.

Coniferous chemical wood pulp (HS 470321) has an average import value of USD 62 million. Its import show increasing trend as its CAGR was 14percent which is very high. The main use of this item is in the paper production industry. Reducing tariffs on this can prove beneficial for the paper production industry. The increasing trend of imports visible from the CAGR value may be due to increase in the paper production domestically. Indonesia has also applied zero tariff on this item.

Polyurethanes (HS 390950) has an average import value of USD 59 million. Its imports show an increasing trend as its CAGR is 18percent. It is used in Textiles, fibers & apparel. Vietnam has also applied zero tariff on this item.

Nitrile-function compounds (HS 292690) are used in the production of synthetic rubber compounds which are used in the production of sports goods and tire making. Bangladesh has also applied zero tariff on this item.

Table 8: Countries with zero tariff on the specified product

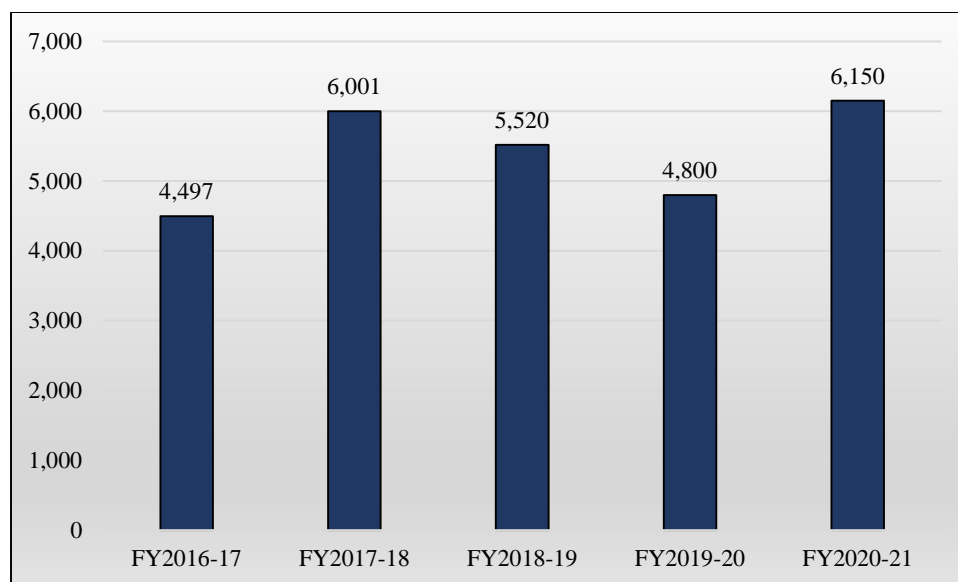
<b>H.S Code</b>	<b>Product</b>	<b>Country</b>
<b>310530</b>	Diammonium hydrogen orthophosphate	Bangladesh
<b>890800</b>	Vessels and other floating structures for breaking up	Uzbekistan
<b>290531</b>	Ethylene glycol "ethanediol"	Egypt
<b>381700</b>	Mixed alkylbenzenes and mixed alkyl naphthalene	Azerbaijan
<b>390720</b>	Polyethers, in primary forms (excluding polyacetals and goods of 3002 10)	Vietnam
<b>290121</b>	Ethylene	Indonesia
<b>320611</b>	Pigments and preparations based on titanium dioxide	Thailand
<b>470321</b>	Semi-bleached or bleached coniferous chemical wood pulp,	Indonesia
<b>390950</b>	Polyurethanes, in primary forms	Vietnam



### 3.2.2 Raw material for capital goods

Raw materials for Capital goods are the basic as well as the intermediate goods used for the production of finished capital goods. It means till a final product is produced completely all the materials used in the production chain of capital goods are called raw materials for capital goods. For example, machines.

Figure 4: Imports of Raw Material for Capital Goods (in 000 USD)



Source: Pakistan Bureau of Statistics

The above figure shows the import trend of Raw materials for capital goods. Raw material for capital goods holds the lowest share in the imports of Pakistan. This shows the economy of Pakistan is dependent on raw materials for consumer goods and consumer goods. Raw material for Capital goods imports is minimum which shows a lack of capacity in the domestic market to produce Capital goods. Raw material for capital goods share is 13 percent form 1623 products.



Table 9: Top import of the raw material for capital goods from 1623 Tariff lines

HS CODE	Description	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	LT
74031100	Copper, refined, in the form of cathodes and sections of cathodes	80907.4	-7.2	0	0		17	11
29291000	Isocyanates	71956	5.8	0	0		17	11
76011000	Aluminium, not alloyed, unwrought	55834.4	-12.9	0	0		17	11
78011000	Unwrought lead, refined	50570.6	-50.4	0	0		17	11
44072900	Tropical wood	38185.8	-11.3	0	0		17	11
72023000	Ferro-silico-manganese	36550.4	11.0	0	0		17	11
79011100	Unwrought zinc, not alloyed, containing by weight >= 99,99% of zinc	30701.2	8.3	0	0		17	11
29214200	Aniline derivatives and their salts	27685.2	67.0	0	0		17	11
76012000	Unwrought aluminium alloys	23347.4	-24.2	0	0	10	17	11
44071100	Pine "Pinus spp." sawn or chipped lengthwise,	22685.8	0.0	0	0		17	11

Source: Author's calculation based on ITC Trade map data (Units: 000 USD) and FBR

The above-mentioned products are sorted from 189 products (See Annexure 3) based on the last five years (2016-2020) average import. Table 10 shows Countries with zero tariff on the specified products. Copper (refined, in the form of cathodes and sections of cathodes) (HS 740311) is the most imported product on the list. Its average import value is USD 80 million. Its imports have a decreasing trend as its CAGR is -7percent. Copper cathodes are used in the manufacturing of continuous cast copper rods which are further used for the wire, cable, and transformer industries. They are also used for the manufacturing of copper tubes for consumer durable goods and other applications in the form of alloys and sheets. Reducing import duty on this item is beneficial due to the usage of this item in industries including the wire and cable industry. Thailand has also applied zero tariff on this item.





The second item is Isocyanides (HS 292910). Its average import value is USD 71 million. Its importing trend is increasing as its CAGR is 5percent. It is widely used in the manufacture of flexible and rigid foams, fibers, coatings such as paints and varnishes are increasingly used in the automobile industry, auto body repair, and building insulation materials. Indonesia has also applied zero tariff on this item.

Aluminum (not alloyed, unwrought) (HS 760110) average import value USD 55 million. Its CAGR is -12percent showing a negative trend in its imports over five years. It is in the form of ingots, blocks, billets, and slabs. It is used in building construction, transportation, cooking utensils, electrical wiring, and a variety of other applications. Removing import duty on this item will reduce the cost of various sectors especially building construction. Malaysia has also applied zero tariff on this item.

Unwrought lead, refined (HS 780110) average import value USD 50 million. Lead refined unwrought is used for plumbing pipes, roofing, and sheathing to prevent corrosion. Albania has also applied zero tariff on this item.

Ferro-silico-manganese (HS 720230) is the fifth most imported product. Its average import value is USD 36 million. Its imports are increasing over the last five years as its CAGR is 11percent. Ferro Manganese is primarily an alloy of manganese and iron. It contains a high content of manganese. Ferro Silico Manganese is a Ferro alloy<sup>13</sup> widely used as an alloying agent in the manufacturing of steel especially long products like long slabs, long sheets, and rods. It provides the necessary toughness and hardness to steel and hence is a critical ingredient for steel making. Turkey has also applied zero tariff on this item.

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<sup>13</sup> Ferroalloy refers to various alloys of iron with a high proportion of one or more other elements such as manganese (Mn), aluminum (Al), or silicon (Si).



Unwrought zinc not alloyed average import value USD 30 million. Its CAGR is 8percent which shows that its imports are increasing. Unwrought zinc is used in the Construction, automobiles, and appliances industries.

Aniline derivatives and their salts (HS 292142) average import value are USD 27 million. Its import is increasing at a high rate as CAGR is 60percent. It is used in the rubber industry for the processing of rubber chemicals and products such as car tires. Korea has also applied zero tariff on this item.

Unwrought aluminum alloys (HS 760120) average import value is USD 23 million. Its major use is in making slabs of aluminum. The raw material used in the iron and steel-making industry received concession. Ferroalloys are added to steel to improve properties like tensile strength, ductility, fatigue strength, and corrosion resistance (Seppo, 2013). Ferroalloys of Nickel, Tungsten, Titanium, and Vanadium received concessions. Billets and wires of copper also received concessions. Billets and wires of copper are used for heating, cooling, and refrigeration, electrical wiring, electronics, power generation, transmission, automotive application. Mexico has also applied zero tariff on this item.

Table 10: Countries with zero tariff on the specified product

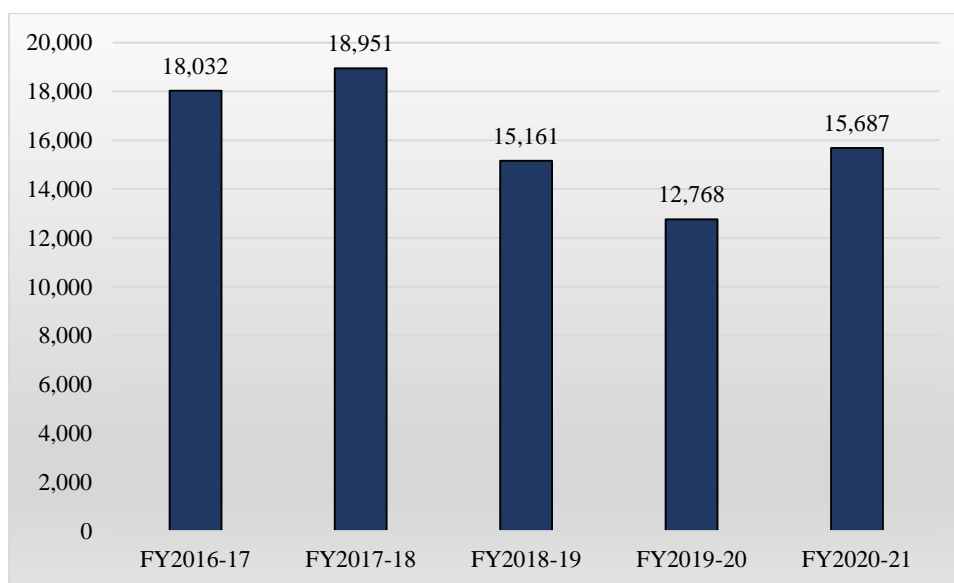
H.S Code	Product	Country
740311	Copper, refined, in the form of cathodes and sections of cathodes	Thailand
292910	Isocyanates	Indonesia
760110	Aluminium, not alloyed, unwrought	Malaysia
780110	Unwrought lead, refined	Albania
440729	Tropical wood specified in Subheading Note 1 to this chapter, sawn or chipped lengthwise, sliced ...	Turkey
720230	Ferro-silico-manganese	Turkey
790111	Unwrought zinc, not alloyed, containing by weight $\geq$ 99,99percent of zinc	Korea
292142	Aniline derivatives and their salts	Korea
760120	Unwrought aluminium alloys	Mexico
440711	Pine "Pinus spp." sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded ...	Bangladesh
292241	Lysine and its esters; salts thereof	Vietnam



### 3.2.3 Capital goods

The term Capital Goods is used for manufacturing plants, machinery, and other assets which are used for the conversion of basic goods to finished goods. Further, a Capital Good itself is a finished good because it does not need any further processing. But this finished good is used to produce another good.

Figure 5: Imports of Capital Goods (in 000 USD)



Source: Pakistan Bureau of Statistics

The above figure shows Capital goods imports in the last five fiscal years. Capital goods hold the second-highest share in Pakistan imports. Raw material for Capital goods imports is minimum which shows a lack of capacity in the domestic market to produce Capital goods.



Table 11: Top Import of Capital Goods from 1623 Tariff lines

HS Code	Description	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
85414000	Photosensitive semiconductor devices, incl. photovoltaic	451,253	-6.2	0	0		17	11
85023900	Generating sets	241,861	0.5	0	0		17	11
85023100	Generating sets, wind-powered	217,970	-23.5	0	0		17	11
84143010	Compressors for refrigerating equipment	189,088	-1.3	0	0		17	11
84118200	Gas turbines of a power > 5.000 kW	133,691	-48.9	0	0		17	11
84119900	Parts of gas turbines	106,346	-13.0	0	0		17	11
84798910	Machines and mechanical appliances,	103,302	1.5	0	0		17	11
84295900	Self-propelled mechanical shovels	94,104	-20.1	0	0		17	11
84748010	Machinery for agglomerating	88,922	-32.3	0	0		17	11
84068100	Steam and other vapour turbines,	87,026	6.0	0	0		17	11

Source: Author's calculation based on ITC Trade map data (Units: 000 USD) and FBR

The above-mentioned products are sorted from 484 products (See Annexure 4) based on the last five years (2016-2020) average imports in order of highest to lowest value. Table 12 shows Countries with zero tariff on the specified products. Photosensitive semiconductor devices, incl. photovoltaic cells (HS 854140) average import value USD 451 million. Its import trend is changing over the years but in the past 4 years, negative trend of -6percent was noticed. A photosensitive semiconductor device is a semiconductor device that converts light into an electrical current. Photosensitive semiconductor devices are used as image sensors primarily in a large number of imaging devices and digital cameras to enhance the quality of cauterization and storage of images. These imaging applications have found high adoption in industrial, media, medical, and consumer applications. The reduction of duties shows encouragement to the smartphones, security cameras, high-definition cameras, and camcorders manufacturers. India has also applied zero tariff on this item.



Generating sets (excluding wind-powered and powered by spark-ignition) (HS 850239) and Generating sets, wind-powered (HS 850231) average import value USD 241 million and USD 217 million respectively. Its imports have an increasing trend in the last three years. Generating sets are devices for converting mechanical energy into electrical energy by electromagnetic induction. Generating sets are frequently used telecommunications installations located in mountainous zones, hotels, as well as in places that need a power supply on specific occasions like civil engineering works. Indonesia and Vietnam has also applied zero tariff on these items.

Items from chapter 84 (Nuclear reactors, boilers, machinery, and mechanical appliances) were added to the import duty concession list. Compressors for refrigerating equipment (HS 841430) average import value USD 189 million. Imports have a slight decrease as its CAGR is 1.5percent. These compressors are used in the cooling equipment used for industrial purposes as well as household purposes like refrigerators, air conditioners, and freezers. Removing import duty can lower the production cost of refrigerators, air conditioners, and freezers. Indonesia has also applied zero tariff on this item.

Gas turbines of a power > 5.000 kW (excluding turbojets and turbo propellers) (HS 841182) average import value is USD 133 million. Its import had a negative trend over the past three years. Gas turbine engines are used in applications that require a large amount of power, such as electric power generation, aircraft, and locomotive propulsion. Parts of Gas turbine (HS 841199) also received duty reduction. Philippines has also applied zero tariff on this item.

Machines and mechanical appliances (HS 847989) have an average import value of USD 103 million. Its imports have increased by a CAGR of 1.5percent. Self-propelled mechanical shovels, excavators, and shovel loaders (HS 842959). Steam and other vapor turbines (HS 840681) are also among the items included in the list. Vietnam has also applied zero tariff on this item.

Many high-end tools are also given zero additional duty concession. Tools used in pressing, stamping, boring, rock drilling milling, and tarring. Machines used in the textile sector also received concession as Pakistan import all of the machines from abroad. The machines included



are machine for washing, bleaching, sewing, reeling, cutting, dyeing, coating, pressing, and shrinking. A large number of items consist of semi-finished products from HS CODE 72 iron and steel. Bars, wires, rods, and tubes of tin, tantalum, manganese, cobalt, cadmium, titanium, and nickel. Waste and scrap are also included. This import duty reduction will be beneficial for the domestic iron and steel industries.

Table 12: Countries with zero tariff on the specified product

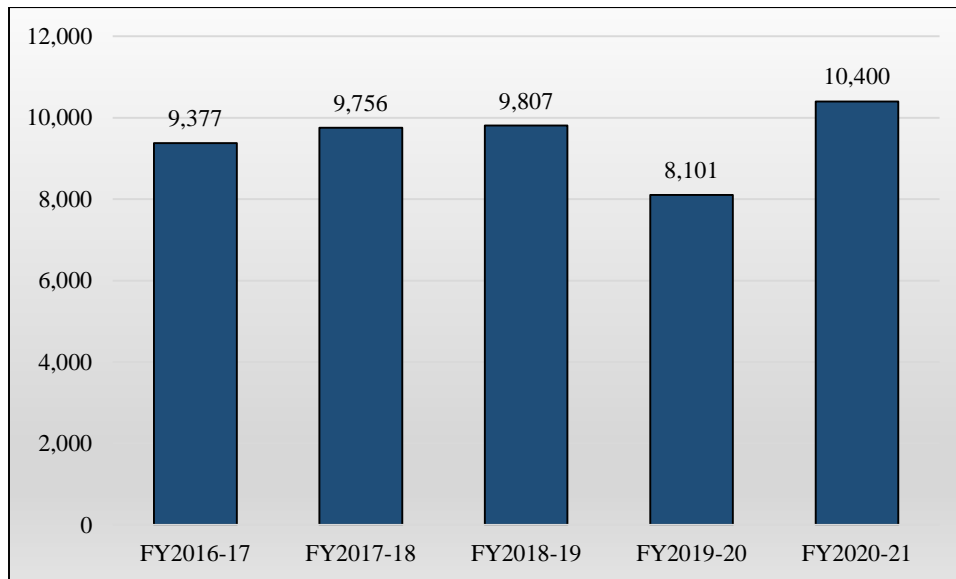
<b>H.S Code</b>	<b>Product</b>	<b>Country</b>
<b>854140</b>	Photosensitive semiconductor devices, incl. photovoltaic cells whether or not assembled in ...	India
<b>850239</b>	Generating sets (excluding wind-powered and powered by spark-ignition internal combustion piston ...	Indonesia
<b>850231</b>	Generating sets, wind-powered	Vietnam
<b>841430</b>	Compressors for refrigerating equipment	Indonesia
<b>841182</b>	Gas turbines of a power > 5.000 kW (excluding turbojets and turbopropellers)	Philippines
<b>841199</b>	Parts of gas turbines, n.e.s.	
<b>847989</b>	Machines and mechanical appliances, n.e.s.	Vietnam
<b>842959</b>	Self-propelled mechanical shovels, excavators and shovel loaders (excluding self-propelled ...	Philippines



### 3.2.4 Consumer Goods

Consumer goods are generally finished goods as they are ready to use by the end consumer without undergoing further processing or changes. There may be some consumer goods that need further processing. There are two types of Consumer goods, perishable (for example fruits and cloths) and non-perishable goods (for example electronics)

Figure 6: Imports of Consumer goods (in 000 US\$)



Source: Pakistan Bureau of Statistics;

The above figure shows the import trend of Consumer goods. Among the four stages of processing, consumer goods are at third rank in total imports. This shows that Pakistan uses raw material for consumer goods and produce consumer goods for domestic consumption as well as for exporting purpose.



Table 13: Top Imports of Consumer Goods from 1623 Tariff lines

HS CODE	Description	Average Import value USD 000	CAGR	CD	ACD	RD	S.T	I.T
27101220	Light oils and preparations, of petroleum or bituminous minerals	3,015,987	3.1	0	0		17	11
27101911	Medium oils and preparations, of petroleum or bituminous minerals	2,906,678	-14.6	0	0		17	11
30022010	Vaccines for human medicine	228,602	1.3	0	0		17	11
40169930	Articles of vulcanised rubber	20,789	4.2	0	0		17	11
59021000	Tyre cord fabric of high-tenacity yarn of nylon or other polyamides, whether or not dipped.	16,017	1.1	0	0		17	11
40169330	Gaskets, washers and other seals of rubber	15,696	-2.9	0	0		17	11
29359010	Sulphonamides	14,438	0.0	0	0		17	11
30061010	Sterile surgical catgut, similar sterile suture materials, incl. sterile absorbable surgical	14,007	-5.2	0	0		17	11
29389000	Glycosides, natural or reproduced by synthesis	13,050	-20.8	0	0		17	11
29372300	Oestrogens and progestogens	12,078	14.9	0	0		17	11

Source: Author's calculation based on ITC Trade map data (Units: 000 USD) and FBR

The above-mentioned products are sorted from 122 products (See Annexure 5) based on the last five years (2016-2020) average imports in order of highest to lowest value. Table 14 shows Countries with zero tariff on the specified products. Light oils and preparations of petroleum or bituminous minerals (HS 271012) import value is USD 3 billion. Its CAGR is 3percent which shows an increasing trend in imports. Medium oils and preparations, of petroleum or bituminous minerals (HS 271019) average import value is USD 2.9 billion. Indonesia has also applied zero tariff on this item.





Sulphonamides (HS 293590) have an average import value of USD 14 million. It is used for the medicine used for pain killers. Korea has also applied zero tariff on this item. Vaccines for human medicine (HS 300220) average import value is USD 22 million. Its importing trend is increasing. Vietnam has also applied zero tariff on this item.

Glycosides, natural or reproduced by synthesis (HS 293890) average import value is USD 13 million. Glycosides are medicines used for treating heart failure and certain irregular heartbeats. Malaysia has also applied zero tariff on this item.

Articles of vulcanized rubber (excluding hard rubber) having average import value USD 20 million also received reduction.

Tire cord fabric of high-tenacity yarn of nylon or other polyamides (HS 590210) have average import value of USD 16 million. Its imports have increasing trend. Srilanka has also applied zero tariff on this item.

Oestrogens and progestogens (HS 293723) average import value is USD 12 million. Its imports have increased over the past five years. In Pakistan it's used for injecting in Cows to increase milk production. Duty reduction will increase its usage in the domestic market which may result increased diseases in the consumers. Oman has also applied zero tariff on this item.

Table 14: Countries with zero tariff on the specified product

H.S Code	Product	Country
271012	Light oils and preparations, of petroleum or bituminous minerals which $\geq$ 90percent	Indonesia
271019	Medium oils and preparations, of petroleum or bituminous minerals	Singapore
300220	Vaccines for human medicine	Vietnam
401699	Articles of vulcanised rubber	
590210	Tyre cord fabric of high-tenacity yarn of nylon or other polyamides	Srilanka
401693	Gaskets, washers and other seals, of vulcanised rubber	Bangladesh
293590	Sulphonamides (excl. perfluorooctane sulphonamides)	Malaysia
293723	Oestrogens and progestogens	Oman
293629	Vitamins and their derivatives, used primarily as vitamins	Thailand



## **Chapter 04: Conclusion and Policy Recommendations**

From the analyses, it's evident that number of growing sectors in Pakistan received tariff reductions on raw material. The majority of the products were focused on industries like Paint, Pharmaceutical, Plastic, Rubber, Paper, Textile, Dyes, and Iron and Steel. Raw material related to these sectors receiving import duty reduction will decrease cost of production.

In the short run reducing tariffs on raw material of the above-mentioned sectors is beneficial and it benefits the manufacturer. For the long run, tariffs on the respective finished product should also be reduced. In this way, the anti-export bias will be countered. Industries like iron and steel which is protected by imposing tariffs on the final products, must be rationalized. This will lower the price of products related to iron and steel, benefitting the end consumer.

Tariff rationalization according to the processing stage (cascading) will be beneficial for increasing exports. Tariffs in place are a major source of revenue for the government, they come at the cost of deindustrialization and an anti-export bias. So the government may consider finding an optimum balance between the two goals—revenue generation and removal of the anti-export bias through tariff rationalization.

In the above context following are the initial conclusions and recommendations emerging from the overall study so far:

- Tariffs and other import duties play a key role in allocating resources. To avoid unintended consequences of changes in tariffs regulatory duties and additional customs duties the National Tariff Board must commit to a simple tariff structure.
- Reducing input tariffs while keeping tariffs on final goods high (cascading) introduces an anti-export bias that ultimately leads to lower productivity growth. Reduce import tariffs on inputs, but gradually reduce those on final goods too.



- Tariff rationalization may focus on raw material for capitals goods because, for growth in exports, it's important to shift from consumer goods production to capital goods production.
- In the analyzed products some tariff lines include chemicals and dyes related to textile which is beneficial for the textile industry. In the future tariffs related to synthetic fiber should also be rationalized. The world is moving towards garments made from synthetic fibers while the domestic textile industry is dependent on cotton-based garments. Synthetic fibers face an import duty of 10percent to 25percent. Pakistan is foregoing the opportunity to export garments made from synthetic fiber as the global demand is increasing and cotton-based garments demand is decreasing. Tariffs on synthetic fibers should be decreased so that domestic industries can shift from cotton to synthetic fiber.
- The rationalized list contains near to no products related to the auto sector. In the future, auto sector should be rationalized starting with motorcycles. Pakistan is one of the largest manufacturers of motorcycle by production volume. In 2019 more than 2 million units were sold in the domestic market.<sup>14</sup>Pakistan motorcycle industry enjoys protection in the form of high import tariffs mean high protection against efficient international motorcycle makers. Decreasing the import tariffs will lower the protection and domestic producers will then compete with the international market, reaching out to the export market.
- High import tariff on final products give protection to the Iron and Steel industry. Tariffs on the import of Iron and steel semi-finished and finished goods should be reduced. This will increase the competition in the market and lower the prices. Cost of production for Construction, Transport, Machinery and domestic appliances. Further the domestic production will face a competition, forcing them to reduce the final cost and improve the quality.

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<sup>14</sup> [invest.gov.pk/Auto industry](http://invest.gov.pk/Auto%20industry)



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## Analyses of Tariff Rationalization of 1623 Tariff Lines



### Annexure 1: 1623 Tariff Lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
25	25041000	- In powder or in flakes	984	-5.2	0	0	40	40113000	- Of a kind used on aircraft	2,626	3.0	0	0
25	25051000	- Silica sands and quartz sands	209	-1.2	0	0	40	40141000	- Sheath contraceptives	8,779	-1.1	0	0
25	25061000	- Quartz	63	4.1	0	0	40	40149000	- Other	678	15.4	0	0
25	25062000	- Quartzite	6	-3.6	0	0	40	40169330	- - - Special rubber seals	15,696	-2.9	0	0
25	25070000	Kaolin	8,836	8.6	0	0	40	40169910	- - - Printing blankets	20,789	4.2	0	0
25	25083000	- Fire- clay	31	-42.3	0	0	41	41012000	- Whole hides and skins,	22	-11.5	0	0
25	25084000	- Other clays	1,035	-12.7	0	0	41	41015010	- - - Hides, buffalo	2,790	-16.7	0	0
25	25085000	- Andalusite, kyanite	-	0.0	0	0	41	41015020	- - - Hides, cow	2,790	-16.7	0	0
25	25086000	- Mullite	1	14.9	0	0	41	41015090	- - - Other	2,790	-16.7	0	0
25	25087000	- Chamotte or dinas earths	2	0.0	0	0	41	41019000	- Other, including butts, bend	14	-100.0	0	0
25	25111000	- Natural barium sulphate	1,236	-23.8	0	0	41	41021010	- - - Lamb skins	12,534	-18.5	0	0
25	25112000	- Natural barium carbonate	-	0.0	0	0	41	41021020	- - - Sheep skins	12,534	-18.5	0	0
25	25120000	Siliceous fossil meals	331	23.1	0	0	41	41022110	- - - Lamb skins without wool	8,930	32.6	0	0
25	25131000	- Pumice stone	1,547	2.2	0	0	41	41022120	- - - Sheep skins without wool	8,930	32.6	0	0
25	25132010	- - - Emery	418	-5.3	0	0	41	41022900	- - Other	551	-0.8	0	0
25	25132090	- - - Other	418	-5.3	0	0	41	41039010	- - - Goat skins	4,834	-9.2	0	0
25	25140000	Slate,	51	10.1	0	0	41	41039020	- - - Kids skins	4,834	-9.2	0	0
25	25181000	- Dolomite, not calcined	11	5.2	0	0	41	41039090	- - - Other	4,834	-9.2	0	0
25	25182000	- Calcined or sintered dolomite	37	0.0	0	0	41	41041100	- - Full grains, unsplit; grain splits	118	-49.1	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
25	25183000	- Dolomite ramming mix	248	45.3	0	0	41	41041900	-- Other	1,911	-15.6	0	0
25	25199010	--- Magnesium oxide	1,386	-4.3	0	0	41	41044100	-- Full grains, unsplit; grain splits	20	-100.0	0	0
25	25210000	Limestone flux	4	-40.1	0	0	41	41044900	-- Other	67	-14.6	0	0
26	26040000	Nickel ores and concentrates.	0	-100.0	0	0	41	41071100	-- Full grains, unsplit	4	8.4	0	0
26	26070000	Lead ores and concentrates.	145	-3.7	0	0	41	41079100	-- Full grains, unsplit	3	-100.0	0	0
26	26100000	Chromium ores	182	40.7	0	0	41	41120000	Leather.	625	11.3	0	0
26	26140000	Titanium ores and concentrates.	267	-6.3	0	0	44	44013100	-- Wood pellets	113	12.5	0	0
26	26201100	-- Hard zinc spelter	104	-100.0	0	0	44	44039900	-- Other	18,864	-36.7	0	0
26	26201900	-- Other	34	-14.7	0	0	44	44041000	- Coniferous	732	1.4	0	0
26	26203000	- Containing mainly copper	35	58.5	0	0	44	44072100	-- Mahogany (Swietenia spp.)	65	88.1	0	0
26	26204000	- Containing mainly aluminium	22	0.0	0	0	44	44072500	-- Dark Red Meranti	2,373	-10.3	0	0
27	27073000	- Xylol (xylenes)	20,473	3.9	0	0	44	44079300	-- Of maple (Acer spp.)	3	0.0	0	0
27	27074000	- Naphthalene	32	-7.0	0	0	44	44079500	-- Of ash (Fraxinus spp.)	6,961	-3.2	0	0
27	27101220	--- Aviation spirit	3,015,987	3.1	0	0	44	44079900	-- Other	16,432	-32.7	0	0
27	27101230	--- Spirit type jet fuel	3,015,987	3.1	0	0	44	44089010	--- Wood slate	1,759	-7.7	0	0
27	27101911	--- -Kerosene	2,906,678	-14.6	0	0	44	44130000	Densified wood,	563	8.8	0	0
27	27101913	--- -J.P.4	2,906,678	-14.6	0	0	45	45011000	- Natural cork,	48	2.5	0	0
27	27101998	--- -Spin finish oil	2,906,678	-14.6	0	0	45	45019000	- Other	54	-0.8	0	0
27	27111100	-- Natural gas	2,237,152	19.6	0	0	45	45041010	--- Impregnated cork sheets	290	-8.6	0	0
27	27111200	-- Propane	188	-14.9	0	0	47	47010000	Mechanical wood pulp.	7,145	8.1	0	0
27	27111300	-- Butanes	4	14.9	0	0	47	47020000	Chemical wood pulp,.	43	-100.0	0	0
27	27111910	--- L.P.G.	272,035	11.8	0	0	47	47031900	-- Non-coniferous	383	-100.0	0	0
27	27111990	--- Other	272,035	11.8	0	0	47	47032100	-- Coniferous	62,535	14.5	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
27	27112100	-- Natural gas	16	55.2	0	0	47	47032900	-- Non-coniferous	41,324	3.3	0	0
27	27112900	-- Other	89	-39.6	0	0	47	47042900	-- Non-coniferous	3,586	15.1	0	0
28	28020010	--- Sublimed or precipitated	21	24.6	0	0	47	47050000	Wood pulp.	13,087	14.2	0	0
28	28020020	--- Colloidal	21	24.6	0	0	47	47062000	- Pulps of fibres	209	-27.7	0	0
28	28051100	-- Sodium	6	-19.7	0	0	47	47069100	-- Mechanical	38	177.6	0	0
28	28051200	-- Calcium	70	10.2	0	0	47	47069300	-- Obtained	1	-100.0	0	0
28	28051900	-- Other	340	-8.5	0	0	47	47071010	--- In pressed bundles	2,208	48.8	0	0
28	28054000	- Mercury	53	-58.3	0	0	47	47073010	--- In pressed bundles	69	-46.4	0	0
28	28080010	--- Nitric acid	1,270	3.6	0	0	47	47079010	--- In pressed bundles	26,611	7.7	0	0
28	28080090	--- Sulphonitric acids	1,270	3.6	0	0	48	48022000	- Paper and paperboard	34	-33.8	0	0
28	28091000	- Diphosphorus pentaoxide	103	-11.5	0	0	48	48024000	- Wallpaper base	7	2.4	0	0
28	28092010	--- Phosphoric acid	251,166	-1.6	0	0	48	48026910	--- Carbonising base paper	9,755	47.4	0	0
28	28092090	--- Other	251,166	-1.6	0	0	48	48059110	--- Having di-electric s	5,966	19.4	0	0
28	28112200	-- Silicon dioxide	8,377	1.6	0	0	48	48059210	--- Having di-electric	1,910	4.0	0	0
28	28141000	- Anhydrous ammonia	403	72.1	0	0	48	48059310	--- Having di-electric s	2,877	5.0	0	0
28	28142000	- Ammonia in aqueous solution	290	-1.3	0	0	48	48115920	--- Volatile corrosive	41,236	-2.2	0	0
28	28170000	Zinc oxide; zinc peroxide.	3,633	11.9	0	0	48	48239010	--- Cards for jacquard machines	4,258	9.5	0	0
28	28181000	- Artificial corundum	342	-13.6	0	0	48	48239020	--- Patterns	4,258	9.5	0	0
28	28182000	- Aluminium oxide	2,627	4.1	0	0	48	48239030	--- Diamond dotted paper	4,258	9.5	0	0
28	28183000	- Aluminium hydroxide	4,315	-4.8	0	0	48	48239040	--- Double side adhesive tapes	4,258	9.5	0	0
28	28191000	- Chromium trioxide	2,067	-3.1	0	0	51	51051000	- Carded wool	70	-37.8	0	0
28	28199010	--- Chromium oxide	146	7.9	0	0	52	52010030	--- Length not exceeding 20.5 mm	884,203	17.8	0	0
28	28199020	--- Chromium hydroxide	146	7.9	0	0	52	52010040	--- Length exceeding 20.5 mm	884,203	17.8	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
28	28201010	--- Electrolytic	362	6.0	0	0	52	52010050	--- 28.5 mm	884,203	17.8	0	0
28	28201090	--- Other	362	6.0	0	0	52	52010060	--- 31 mm	884,203	17.8	0	0
28	28209000	- Other	263	-17.3	0	0	52	52010070	--- 34.5 mm	884,203	17.8	0	0
28	28211010	--- Iron oxide	8,009	4.2	0	0	52	52010080	--- 34.5 mm	884,203	17.8	0	0
28	28220000	Cobalt oxides	1,154	1.6	0	0	52	52010090	--- Other	884,203	17.8	0	0
28	28230010	--- Titanium dioxides	3,322	11.0	0	0	52	52030000	Cotton, carded or combed.	7	-10.6	0	0
28	28230090	--- Other	3,322	11.0	0	0	53	53011000	- Flax, raw or retted	2	-100.0	0	0
28	28241000	- Lead monoxide	813	33.6	0	0	53	53012900	-- Other	1,480	6.7	0	0
28	28249000	- Other	251	18.0	0	0	53	53013000	- Flax tow and waste	162	201.5	0	0
28	28251000	- Hydrazine and hydroxylamine	667	-17.5	0	0	53	53029000	- Other	94	172.9	0	0
28	28252000	- Lithium oxide and hydroxide	274	-5.4	0	0	53	53031010	--- Jute, cutting	40,396	6.8	0	0
28	28253000	- Vanadium oxides	84	37.1	0	0	53	53031020	--- Jute, waste	40,396	6.8	0	0
28	28254000	- Nickel oxides and hydroxides	16	0.0	0	0	53	53050010	--- Sisal and other textile fibres	1,390	-0.2	0	0
28	28257000	- Molybdenum oxides	1	0.0	0	0	56	56089000	- Other	430	-15.8	0	0
28	28258000	- Antimony oxides	764	-3.9	0	0	59	59021000	- Of nylon or other polyamides	16,017	1.1	0	0
28	28259000	- Other	205	-3.6	0	0	59	59022000	- Of polyesters	2,268	-10.8	0	0
28	28261900	-- Other	335	-1.0	0	0	68	68041000	- Millstones and grindstones	2,675	3.9	0	0
28	28263000	- Sodium hexafluoroaluminate	38	24.6	0	0	68	68042100	-- Of agglomerated	926	-6.2	0	0
28	28269000	- Other	138	-1.6	0	0	68	68042200	-- Of other	13,644	2.2	0	0
28	28291100	-- Of sodium	109	-25.3	0	0	68	68042300	-- Of natural stone	488	0.0	0	0
28	28291910	--- Potassium chlorates	4,209	3.9	0	0	68	68043000	- polishing stones	599	-2.9	0	0
28	28291990	--- Other	4,209	3.9	0	0	68	68151000	- Non electrical article	1,426	-8.9	0	0





Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
28	28299000	- Other	408	16.6	0	0	68	68152000	- Articles of peat	6	-100.0	0	0
28	28301010	--- Sodium hydrogen sulphide	9,486	-7.3	0	0	70	70023920	--- Glass tubing	5,386	0.4	0	0
28	28301090	--- Other	9,486	-7.3	0	0	70	70171010	--- Quartz reactor	832	-4.4	0	0
28	28309000	- Other	11	-6.2	0	0	70	70195110	--- Tyre cord fabric	147	45.3	0	0
28	28311010	--- Dithionites of sodium	9,898	-1.8	0	0	71	71012100	-- Unworked	0	-100.0	0	0
28	28311090	--- Other	9,898	-1.8	0	0	71	71021000	- Unsorted	3	-100.0	0	0
28	28319010	--- Formaldehyde sulphonylates	9,539	1.1	0	0	71	71031000	- Unworked or simply	78	-7.4	0	0
28	28319020	--- Dithionites	9,539	1.1	0	0	71	71039900	-- Other	2	-30.1	0	0
28	28319090	--- Other	9,539	1.1	0	0	71	71049000	- Other	69	-64.1	0	0
28	28321010	--- Sodium hydrogen sulphite	3,367	-2.3	0	0	71	71059000	- Other	2	0.0	0	0
28	28321090	--- Other	3,367	-2.3	0	0	71	71069190	--- Other	723	-100.0	0	0
28	28322010	--- Ammonium sulphite	124	-11.8	0	0	71	71069290	--- Other	455	-30.7	0	0
28	28322090	--- Other	124	-11.8	0	0	71	71081290	--- Other	15,481	-18.2	0	0
28	28323000	- Thiosulphates	88	-18.0	0	0	71	71101900	-- Other	17	-9.0	0	0
28	28332910	--- Sulphates of ferrous	11,456	0.3	0	0	71	71104900	-- Other	0	-100.0	0	0
28	28332920	--- Sulphates of lead	11,456	0.3	0	0	71	71129900	-- Other	2,228	20.0	0	0
28	28333000	- Alums	25	7.4	0	0	72	72011000	- Non- alloy pig iron	8,245	-10.9	0	0
28	28334000	- Peroxosulphate	508	-3.1	0	0	72	72012000	0.5 % of phosphorus:	0	-100.0	0	0
28	28341010	--- Sodium nitrite	818	-13.1	0	0	72	72021100	2 % of carbon	7,774	-7.2	0	0
28	28341090	--- Other	818	-13.1	0	0	72	72021900	-- Other	184	-32.5	0	0
28	28342100	-- Of potassium	1,113	-0.4	0	0	72	72022100	-- Containing	3,415	-8.8	0	0
28	28342900	-- Other	879	-1.1	0	0	72	72022900	-- Other	2,174	5.6	0	0
28	28351000	- Phosphinates	104	4.9	0	0	72	72023000	- Ferro- silico- managanese	36,550	11.0	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
28	28352210	--- Of mono sodium	2,282	-13.3	0	0	72	72024100	4 % of carbon	255	-10.1	0	0
28	28352290	--- Other	2,282	-13.3	0	0	72	72024900	-- Other	133	4.9	0	0
28	28352400	-- Of potassium	729	12.9	0	0	72	72025000	- Ferro- silico- chromium	3	-100.0	0	0
28	28352500	dicalcium	9,223	-11.1	0	0	72	72027000	- Ferro- molybdenum	127	3.0	0	0
28	28352600	-- Other phosphates of calcium	5,884	8.4	0	0	72	72028000	- Ferro- tungsten and	37	-4.7	0	0
28	28352910	--- Of aluminium	395	2.0	0	0	72	72029100	-- Ferro-titanium	6	24.6	0	0
28	28352920	--- Of sodium	395	2.0	0	0	72	72029200	-- Ferro-vanadium	18	-1.9	0	0
28	28352930	--- Of trisodium	395	2.0	0	0	72	72029300	-- Ferro-niobium	22	-8.3	0	0
28	28352990	--- Other	395	2.0	0	0	72	72029900	-- Other	68	1.5	0	0
28	28353100	-- Sodium triphosphate	7,869	2.1	0	0	72	72039000	- Other	64	124.5	0	0
28	28364000	- Potassium carbonates	1,468	8.2	0	0	72	72051000	- Granules	664	-6.0	0	0
28	28366000	- Barium carbonate	1,816	-19.4	0	0	72	72052900	-- Other	458	-5.4	0	0
28	28369100	-- Lithium carbonates	141	15.0	0	0	74	74010000	Copper mattes;	5	-100.0	0	0
28	28369200	-- Strontium carbonate	2	-100.0	0	0	74	74020000	Unrefined copper;	59	-4.2	0	0
28	28369910	--- Magnesium carbonate	6,533	-1.3	0	0	74	74031100	-- Cathodes and sections	80,907	-7.2	0	0
28	28369920	--- Carbonates of ammonium	6,533	-1.3	0	0	74	74031200	-- Wire-bars	28	-100.0	0	0
28	28369990	--- Other	6,533	-1.3	0	0	74	74031900	-- Other	235	-3.1	0	0
28	28371900	-- Other	103	16.0	0	0	74	74032100	-- Copper-zinc base alloys (brass)	48	33.8	0	0
28	28372000	- Complex cyanides	21	-6.7	0	0	74	74032200	-- Copper-tin base alloys (bronze)	153	-48.0	0	0
28	28391100	-- Sodium metasilicates	812	29.7	0	0	74	74032900	-- Other copper alloys	94	-100.0	0	0
28	28391910	--- Sodium silicate	277	12.4	0	0	74	74040010	--- Brass scrap	29,784	29.0	0	0
28	28391990	--- Other	277	12.4	0	0	74	74040090	--- Other	29,784	29.0	0	0
28	28399000	- Other	666	10.1	0	0	74	74050000	Master alloys of copper.	45	-10.4	0	0



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HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
28	28401900	-- Other	2,150	-4.1	0	0	74	74062000	- Powders of lameller	1,396	-4.1	0	0
28	28402000	- Other borates	319	19.5	0	0	74	74071010	--- Bars	6,257	-14.3	0	0
28	28403000	- Peroxoborates (perborates)	20	1.2	0	0	74	74071020	--- Rods	6,257	-14.3	0	0
28	28413000	- Sodium dichromate	2,603	-2.9	0	0	74	74071030	--- Twisted copper bars	6,257	-14.3	0	0
28	28415010	--- Sodium chromate	235	-24.7	0	0	74	74071040	--- Busbars	6,257	-14.3	0	0
28	28415090	--- Other	235	-24.7	0	0	74	74082200	-- Of copper-nickel base alloys (	181	39.9	0	0
28	28416100	-- Potassium permanganate	367	13.8	0	0	74	74101100	-- Of refined copper	8,732	-4.0	0	0
28	28416900	-- Other	16	0.0	0	0	74	74101200	-- Of copper alloys	4,895	-8.2	0	0
28	28417000	- Molybdates	229	50.8	0	0	74	74102100	-- Of refined copper	906	-6.0	0	0
28	28418000	- Tungstates (wolframates)	2	-4.4	0	0	74	74102200	-- Of copper alloys	19	-45.1	0	0
28	28419010	--- Sodium stannate	125	-28.3	0	0	74	74111010	--- Capillary tube	23,581	4.6	0	0
28	28419090	--- Other	125	-28.3	0	0	74	74111020	--- Internally grooved tubes	23,581	4.6	0	0
28	28421000	- Double or complex silicates,	2,219	-1.2	0	0	74	74112100	-- Of copper-zinc base	149	-26.7	0	0
28	28429010	--- Fulminates, cyanates and	581	2.6	0	0	74	74112200	-- Of copper-nickel base alloys (	46	12.9	0	0
28	28429090	--- Other	581	2.6	0	0	74	74112900	-- Other	300	-13.3	0	0
28	28432100	-- Silver nitrate	31	-3.7	0	0	75	75021000	- Nickel, not alloyed	9,386	1.0	0	0
28	28432900	-- Other	227	-11.7	0	0	75	75022000	- Nickel alloys	57	18.7	0	0
28	28433000	- Gold compounds	86	14.9	0	0	75	75040000	Nickel powders and flakes.	301	16.6	0	0
28	28439000	- Other compounds; amalgams	122	26.4	0	0	75	75051100	-- Of nickel, not alloyed	24	98.1	0	0
28	28461000	- Cerium compounds	97	-6.6	0	0	75	75051200	-- Of nickel alloys	40	12.0	0	0
28	28469000	- Other	149	23.1	0	0	75	75052100	-- Of nickel, not alloyed	16	-21.0	0	0
28	28492000	- Of silicon	323	-7.2	0	0	75	75052200	-- Of nickel alloys	242	-10.7	0	0
28	28499000	- Other	101	38.9	0	0	75	75061000	- Of nickel, not alloyed	530	5.2	0	0



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28	28500000	Hydrides, nitrides, azides,	1,172	-4.5	0	0	75	75062000	- Of nickel alloys	628	91.4	0	0
28	28521000	- Chemically defined	219	-52.8	0	0	76	76011000	- Aluminium, not alloyed	55,834	-12.9	0	0
28	28529000	- Other	76	-48.3	0	0	76	76012000	- Aluminium alloys	23,347	-24.2	0	0
29	29012100	-- Ethylene	74,400	-7.5	0	0	76	76032000	- Powders of lamellar structure;	513	8.3	0	0
29	29012300	-- Butene (butylene) and	2	-100.0	0	0	76	76042920	--- With cladding	2,223	5.2	0	0
29	29021910	--- Cyclopentane	3,426	3.6	0	0	76	76069210	--- Aluminium sheet	4,151	8.1	0	0
29	29024100	-- o-Xylene	17,200	-5.8	0	0	76	76071910	--- Adhesive tape	20,806	6.6	0	0
29	29031110	--- Chloromethane	5	-100.0	0	0	78	78011000	- Refined lead	50,571	-50.4	0	0
29	29031190	--- Other	5	-100.0	0	0	78	78019100	-- Containing by weight antimony	3,361	-2.4	0	0
29	29031200	-- Dichloromethane	3,981	-1.2	0	0	78	78019900	-- Other	2,627	-7.4	0	0
29	29031300	-- Chloroform	3,583	7.8	0	0	79	79011100	-- Containing by weight 99.99	30,701	8.3	0	0
29	29031500	-- Ethylene dichloride (ISO)	17,875	12.5	0	0	79	79012000	- Zinc alloys	16,975	8.1	0	0
29	29031910	--- 1,1,1-Trichloroethane	812	-11.4	0	0	79	79031000	- Zinc dust	417	-3.8	0	0
29	29031990	--- Other	812	-11.4	0	0	79	79070010	--- Zinc slugs for dry battery cell containers	1,552	5.7	0	0
29	29032100	-- Vinyl chloride (	7,197	245.6	0	0	79	79070020	--- Anodes	1,552	5.7	0	0
29	29032200	-- Trichloroethylene	2,260	-3.3	0	0	80	80011000	- Tin, not alloyed	5,877	3.6	0	0
29	29032300	-- Tetrachloroethylene (perchloroethylene)	918	4.7	0	0	80	80012000	- Tin alloys	82	7.2	0	0
29	29032900	-- Other	6	51.6	0	0	80	80030000	Tin bars, rods, profiles and wire	32	-27.5	0	0
29	29033910	--- B	12,020	5.5	0	0	81	81019400	-- Unwrought tungsten	2	-100.0	0	0
29	29033920	--- Difluoromethane	12,020	5.5	0	0	81	81019600	-- Wire	180	-4.9	0	0
29	29033930	--- Tetrafluoroethane	12,020	5.5	0	0	81	81019700	-- Waste and scrap	0	-100.0	0	0
29	29033950	--- 1,1,3,3,3	12,020	5.5	0	0	81	81019910	--- Bars and rods	80	24.0	0	0



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HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
29	29033960	--- Ingredients for pesticides	12,020	5.5	0	0	81	81019990	--- Other	80	24.0	0	0
29	29033990	--- Other	12,020	5.5	0	0	81	81029500	-- Bars and rods	5	-100.0	0	0
29	29037300	-- Dichlorofluoroethanes	814	-32.1	0	0	81	81039000	- Other	19	-54.8	0	0
29	29037400	-- Chlorodifluoroethanes	111	33.6	0		81	81041100	-- Containing at least 99.8 % by weight of magnesium	280	9.9	0	0
29	29037600	-- Bromochlorodifluoromethane	1	-100.0	0	0	81	81049000	- Other	393	-10.7	0	0
29	29037710	--- Pentachlorofluoroethane;	139	-24.5	0	0	81	81052000	- Cobalt mattes	1,539	7.7	0	0
29	29037720	--- Chloroheptafluoropropanes;	139	-24.5	0	0	81	81059000	- Other	51	-3.5	0	0
29	29037730	--- Tetrachlorodifluoroethanes;	139	-24.5	0	0	81	81060000	Bismuth	2	43.1	0	0
29	29037740	--- Heptachlorofluoropropanes	139	-24.5	0	0	81	81079000	- Other	27	-25.6	0	0
29	29037750	--- Hexachlorodifluoropropanes	139	-24.5	0	0	81	81089000	- Other	1,033	-12.1	0	0
29	29037760	--- Trichloropentafluoropropanes	139	-24.5	0	0	81	81099000	- Other	103	-36.7	0	0
29	29037770	--- Dichlorohexafluoropropanes	139	-24.5	0	0	81	81101000	- Unwrought antimony; powders	5,410	-19.5	0	0
29	29037780	--- Chlorotrifluoroethane	139	-24.5	0	0	81	81109000	- Other	212	-100.0	0	0
29	29037790	--- Other	139	-24.5	0	0	81	81110000	Manganese	236	6.4	0	0
29	29037910	--- Chlorotetrafluoroethanes	177	-60.9	0		81	81122900	-- Other	72	32.0	0	0
29	29037990	--- Other	177	-60.9	0		81	81129900	-- Other	2	55.2	0	0
29	29039110	--- Chlorobenzene	116	8.0	0	0	82	82041200	-- Adjustable	3,940	3.7	0	0
29	29039120	--- o-dichlorobenzene	116	8.0	0	0	82	82042000	- Interchangeable	687	9.3	0	0
29	29039130	--- p-dichlorobenzene	116	8.0	0	0	82	82051000	- Drilling, threading	305	-6.7	0	0
29	29039900	-- Other	257	-31.0	0	0	82	82072000	- Dies for drawing	2,793	-4.0	0	0
29	29041090	--- Other	1,226	6.3	0	0	82	82073000	- Tools for pressing,	9,932	-20.1	0	0



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29	29042010	--- Nitrobenzene (mirbane oil)	579	11.6	0	0	82	82074000	- Tools for trapping or threading	323	4.1	0	0
29	29042090	--- Other	579	11.6	0	0	82	82075010	--- Drills	5,450	-13.9	0	0
29	29051100	-- Methanol (methyl alcohol)	45,600	4.2	0	0	82	82084000	- For agricultural,	852	20.3	0	0
29	29051210	--- Propyl alcohol (1-propanol)	15,046	8.4	0	0	82	82089010	--- Knives and cutting blades for	4,937	-1.8	0	0
29	29051220	-- Iso propyl alcohol	15,046	8.4	0	0	82	82090000	Plates,	1,132	-10.5	0	0
29	29051300	-- Butan-1-ol (n-butyl alcohol)	904	0.6	0	0	84	84012000	- Machinery	4	-100.0	0	0
29	29051400	-- Other butanols	1,919	3.5	0	0	84	84014000	- Parts of nuclear reactors	39,156	-100.0	0	0
29	29051600	-- Octanol (octyl alcohol)	35,059	-1.5	0	0	84	84051000	- Producer gas	3,684	-23.3	0	0
29	29051710	--- Stearyl alcohol	730	18.0	0	0	84	84059000	- Parts	370	-25.3	0	0
29	29051720	--- Cetyl alcohol	730	18.0	0	0	84	84061000	- Turbines for marine propulsion	138	-100.0	0	0
29	29051790	--- Other	730	18.0	0	0	84	84068100	-- Of an output exceeding 40 MW	87,026	6.0	0	0
29	29051910	--- Iso Nonyl Alcohol (INA)	844	24.0	0	0	84	84068200	-- Of an output not exceeding 40	54,481	-47.4	0	0
29	29051920	--- 3,3-dimethylbutan-2-ol (pinacolyl alcohol)	844	24.0	0	0	84	84069000	- Parts	61,138	-40.4	0	0
29	29051990	--- Other	844	24.0	0	0	84	84101300	-- Of a power exceeding 10,000	24,604	20.4	0	0
29	29052200	-- Acyclic terpene alcohols	744	12.4	0	0	84	84109090	--- Other	30,936	-17.9	0	0
29	29052900	-- Other	130	22.9	0		84	84111200	-- Of a thrust exceeding 25 kN	499	-100.0	0	0
29	29053100	-- Ethylene glycol (ethanediol)	238,270	-5.5	0	0	84	84112200	-- Of a power exceeding 1,100	3,724	-100.0	0	0
29	29053200	-- Propylene glycol (propane-1,	13,436	1.3	0	0	84	84118100	-- Of a power not exceeding	23,790	64.3	0	0
29	29053900	-- Other	1,085	-5.3	0	0	84	84118200	-- Of a power exceeding 5,000	133,691	-48.9	0	0
29	29054100	-- 2-Ethyl-2-	451	17.6	0	0	84	84119100	-- Of turbo-jets or turbo	14	7.2	0	0
29	29054200	-- Pentaerythritol	5,792	-6.1	0	0	84	84119900	-- Other	106,346	-13.0	0	0
29	29054300	-- Mannitol	2,050	21.5	0	0	84	84121000	- Reaction engines other than turbo-jets	8	-27.5	0	0



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29	29055900	-- Other	165	-6.1	0	0	84	84122900	-- Other	2,820	-4.7	0	0
29	29061100	-- Menthol	6,324	12.8	0	0	84	84123100	-- Linear acting (cylinders)	767	7.5	0	0
29	29061200	-- Cyclohexanol,	76	52.4	0	0	84	84123900	-- Other	1,104	4.2	0	0
29	29061300	-- Sterols and inositols	287	4.0	0	0	84	84128010	--- Wind engines (wind mills)	242	0.5	0	0
29	29061910	--- Terpineols	1,378	5.3	0	0	84	84129010	--- For machines	3,235	18.2	0	0
29	29061990	--- Other	1,378	5.3	0	0	84	84129020	--- For machine	3,235	18.2	0	0
29	29062100	-- Benzyl alcohol	721	1.8	0	0	84	84129030	--- Of wind wheels	3,235	18.2	0	0
29	29062910	--- Ingredients for pesticides	845	14.3	0	0	84	84129040	--- Of wind engines	3,235	18.2	0	0
29	29062990	--- Other	845	14.3	0	0	84	84129050	--- Of hot air engines	3,235	18.2	0	0
29	29071100	-- Phenol (hydroxybenzene)	4,451	5.5	0	0	84	84129060	--- Of compressed air engines	3,235	18.2	0	0
29	29071200	-- Cresols and their salts	130	-7.3	0	0	84	84131910	--- Pumps f	5,241	-12.5	0	0
29	29071300	-- Octylphenol, nonylphenol and their isomers; salts thereof	14	-37.5	0	0	84	84134000	- Concrete pumps	2,499	-24.0	0	0
29	29071500	-- Naphthols and their salts	155	23.1	0		84	84139110	--- Stainless steel impellers	37,659	24.1	0	0
29	29071900	-- Other	369	22.7	0		84	84139120	--- Stainless steel	37,659	24.1	0	0
29	29072100	-- Resorcinol and its salts	339	26.1	0	0	84	84139130	--- Other parts for machines	37,659	24.1	0	0
29	29072200	-- Hydroquinone (quinol)	314	16.7	0	0	84	84141000	- Vacuum pumps	5,112	1.2	0	0
29	29072300	-- 4,4'-Isopropylidenediphenol	1,010	4.6	0	0	84	84143010	--- Used with HCFC and non-CFC	189,088	-1.3	0	0
29	29072900	-- Other	1,431	5.3	0	0	84	84144000	- Air compressors	4,933	-24.3	0	0
29	29081910	--- 4-chloro, 3-methyl phenol,	331	43.1	0	0	84	84149020	--- Of machines of heading	35,739	1.6	0	0
29	29081990	--- Other	331	43.1	0	0	84	84161000	- Furnace burners for liquid fuel	209	-38.1	0	0
29	29089900	-- Other	1,506	21.9	0		84	84169000	- Parts	1,825	-12.1	0	0



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29	29091100	-- Diethyl ether	11	24.6	0	0	84	84189910	--- Evaporators (roll bond / fin	44,324	-1.5	0	0
29	29091910	--- Methyl tertiary butyle ether	118	-27.8	0	0	84	84192000	- Medical, surgical or laboratory	4,673	-7.0	0	0
29	29091990	--- Other	118	-27.8	0	0	84	84193100	-- For agricultural products	817	30.3	0	0
29	29092000	- Cyclanic, cyclenic	91	-9.8	0	0	84	84193200	-- For wood, paper pulp, paper or	877	-7.6	0	0
29	29093000	- Aromatic	1,701	10.5	0		84	84193900	-- Other	9,075	-2.4	0	0
29	29094100	-- 2,2'- Oxydiethanol	11,694	-1.2	0	0	84	84196010	--- Mist eliminator	6,019	-1.5	0	0
29	29094300	-- Monobutyl	1,890	7.1	0	0	84	84196090	--- Other	6,019	-1.5	0	0
29	29094410	--- Monomethyl	3,093	-10.5	0	0	84	84199010	--- Of machine	36,960	-18.7	0	0
29	29094490	--- Other	3,093	-10.5	0	0	84	84201000	- Calendering or other rolling	2,047	-25.5	0	0
29	29094910	--- Ingredients for pesticides	3,956	-3.1	0	0	84	84209100	-- Cylinders	180	6.0	0	0
29	29094990	--- Other	3,956	-3.1	0	0	84	84209900	-- Other	755	-6.9	0	0
29	29095000	- Ether- phenols	441	-6.0	0	0	84	84211100	-- Cream separators	29	1.6	0	0
29	29096000	- Alcohol peroxides	3,229	1.0	0	0	84	84213910	--- Filter driers	41,484	-6.3	0	0
29	29101000	- Oxirane (ethylene oxide)	194	10.8	0	0	84	84213930	--- Mist eliminator	41,484	-6.3	0	0
29	29103000	- 1- Chloro- 2,3	804	10.1	0		84	84232000	- Scales for continuous weighing	338	-21.8	0	0
29	29109000	- Other	121	-0.9	0	0	84	84238200	30 kg but not exceeding 5,000 kg	5,490	8.1	0	0
29	29121100	-- Methanal (formaldehyde)	47	-25.5	0	0	84	84238900	-- Other	5,026	-14.0	0	0
29	29121200	-- Ethanal (acetaldehyde)	24	-33.1	0	0	84	84239000	- Weighing machine	2,027	6.5	0	0
29	29121900	-- Other	1,462	-5.8	0	0	84	84242010	--- For agriculture	11,257	6.7	0	0
29	29122100	-- Benzaldehyde	23	-16.9	0	0	84	84243000	- Steam	1,322	4.9	0	0
29	29122900	-- Other	472	-4.3	0	0	84	84248900	-- Other	13,602	0.5	0	0
29	29124100	-- Vanillin (4-hydroxy-3-	1,589	8.1	0	0	84	84249010	8424.8200	4,989	-6.2	0	0
29	29124200	-- Ethylvanillin (e-ethoxy-4-	376	21.7	0		84	84249090	--- Other	4,989	-6.2	0	0





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29	29124900	-- Other	208	15.0	0		84	84251100	-- Powered by electric motor	3,677	-5.7	0	0
29	29126000	- Paraformaldehyde	588	-1.9	0	0	84	84253100	-- Powered by electric motor	1,216	-11.1	0	0
29	29130000	Halogenated	4	0.0	0	0	84	84253900	-- Other	2,619	29.5	0	0
29	29141200	-- Butanone	3,015	4.0	0	0	84	84254100	-- Built-in jacking	552	8.0	0	0
29	29141300	-- 4-Methylpentan-2-one (	244	8.6	0		84	84261190	--- Other	16,250	12.8	0	0
29	29141900	-- Other	113	36.8	0		84	84261210	--- Not exceeding 20 t	3,744	-37.9	0	0
29	29142200	-- Cyclohexanone and	2,500	15.1	0		84	84261290	--- Other	3,744	-37.9	0	0
29	29142300	-- Ionones and methylionones	125	-8.1	0	0	84	84261910	--- Upto 400 metric ton	37,732	-4.5	0	0
29	29142910	--- Isophorone	451	6.1	0	0	84	84261990	--- Other	37,732	-4.5	0	0
29	29142990	--- Other	451	6.1	0	0	84	84262000	- Tower cranes	6,370	-13.8	0	0
29	29143900	-- Other	197	43.6	0	0	84	84264100	-- On tyres	3,753	-24.7	0	0
29	29144000	- Ketone- alcohol	745	-3.9	0	0	84	84264900	-- Other	16,453	-3.4	0	0
29	29145000	- Ketone- phenols and	290	6.9	0	0	84	84271000	- Self- propelled trucks	5,193	6.3	0	0
29	29146900	-- Other	817	-0.2	0	0	84	84279000	- Other trucks	2,217	12.7	0	0
29	29151210	--- Sodium formate	4,949	-5.4	0	0	84	84283100	-- Specially designed	44	2.3	0	0
29	29151290	--- Other	4,949	-5.4	0	0	84	84283200	-- Other, bucket type	1,514	11.4	0	0
29	29151300	-- Esters of formic acid	55	-9.5	0	0	84	84283300	-- Other, belt type	31,657	-4.8	0	0
29	29152910	--- Calcium acetate	782	1.6	0	0	84	84283910	--- For cement plants	32,685	-24.8	0	0
29	29152920	--- Lead acetate	782	1.6	0	0	84	84283990	--- Other	32,685	-24.8	0	0
29	29152930	--- Sodium acetate	782	1.6	0	0	84	84286000	- Teleferics, chair-	325	18.0	0	0
29	29152940	--- Cobalt acetates	782	1.6	0	0	84	84289090	--- Other	22,829	-27.3	0	0
29	29152990	--- Other	782	1.6	0	0	84	84291100	-- Track laying	8,558	-9.1	0	0
29	29161100	-- Acrylic acid and its salts	1,754	7.1	0	0	84	84291900	-- Other	7,714	-11.8	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
29	29161200	-- Esters of acrylic acid	16,285	-1.0	0	0	84	84292000	- Graders and levellers	10,946	-32.4	0	0
29	29161300	-- Methacrylic acid and its salts	471	-32.5	0	0	84	84293000	- Scrapers	2	-100.0	0	0
29	29161400	-- Esters of methacrylic acid	8,324	-6.3	0	0	84	84294000	- Tamping machines and	18,489	-46.3	0	0
29	29161510	--- Oleic cid	186	10.4	0		84	84295100	-- Front-end shovel loaders	28,775	-8.4	0	0
29	29161520	--- Salts and derivatives of oleic acid	186	10.4	0		84	84295200	-- Machinery	6,257	-47.6	0	0
29	29161590	--- Other	186	10.4	0		84	84295900	-- Other	94,104	-20.1	0	0
29	29161910	--- Maleic	1,961	12.8	0	0	84	84301000	- Pile- drivers and pile extractors	653	-40.7	0	0
29	29161990	--- Other	1,961	12.8	0	0	84	84302000	- Snow- ploughs and	233	-10.6	0	0
29	29162000	- Cyclanic, cycleni	1,540	11.3	0	0	84	84303100	-- Self propelled	2,145	19.0	0	0
29	29163110	--- Benzoic acid	2,899	-0.4	0	0	84	84303900	-- Other	309	-17.3	0	0
29	29163120	--- Sodium benzoate	2,899	-0.4	0	0	84	84304100	-- Self-propelled	5,282	-27.8	0	0
29	29163190	--- Other	2,899	-0.4	0	0	84	84304900	-- Other	35,113	-19.3	0	0
29	29163200	-- Benzoyl peroxide and	513	11.7	0	0	84	84305000	- Other machinery, self- propelled	3,227	-32.2	0	0
29	29163400	-- Phenylacetic acid and its salts	1	-100.0	0	0	84	84306100	-- Tamping or	744	-18.7	0	0
29	29163920	--- Ingredients for pesticides	16,142	9.0	0		84	84306900	-- Other	1,536	-14.2	0	0
29	29171190	--- Other	1,653	6.2	0	0	84	84311000	- Of machinery of heading 84.25	1,162	2.9	0	0
29	29171300	-- Azelaic acid, sebacic	239	6.4	0	0	84	84312000	- Of machinery of heading 84.27	1,095	-10.5	0	0
29	29173690	--- Other	94,638	2.4	0	0	84	84313100	-- Of lifts,	5,301	-2.6	0	0
29	29173910	--- Iso phthalic acid	4,912	-5.7	0	0	84	84314100	-- Buckets, shovels,	1,723	38.9	0	0
29	29173990	--- Other	4,912	-5.7	0	0	84	84314200	-- Bulldozer or angledozer blades	85	-41.3	0	0
29	29181110	--- Lactic acid	1,557	3.9	0	0	84	84314300	-- Parts	26,510	-22.7	0	0
29	29181190	--- Other	1,557	3.9	0	0	84	84314900	-- Other	35,091	0.3	0	0
29	29181200	-- Tartaric acid	643	-4.8	0	0	84	84321010	--- Chisel ploughs	34	-42.8	0	0



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29	29181300	-- Salts and esters of tartaric	53	1.6	0	0	84	84321090	--- Other	34	-42.8	0	0
29	29181510	--- Sodium citrate	3,761	4.4	0	0	84	84322100	-- Disc harrows	219	-21.9	0	0
29	29181590	--- Other	3,761	4.4	0	0	84	84322910	--- Cultivators	155	-7.3	0	0
29	29181600	-- Gluconic acid, its salts	8,465	4.0	0	0	84	84322990	--- Other	155	-7.3	0	0
29	29181900	-- Other	1,537	-8.5	0	0	84	84329000	- Parts	2,382	4.6	0	0
29	29182110	--- Salicylic acid	381	8.0	0	0	84	84331100	-- Powered,	90	12.7	0	0
29	29182120	--- Sodium salicylate	381	8.0	0	0	84	84331900	-- Other	435	7.7	0	0
29	29182130	--- Methyl salicylate	381	8.0	0	0	84	84332000	- Other mowers,	168	2.8	0	0
29	29182190	--- Other	381	8.0	0	0	84	84333000	- Other haymaking machinery	58	-0.7	0	0
29	29182300	-- Other esters	228	-1.5	0	0	84	84334000	- Straw or fodder balers	1,422	-1.2	0	0
29	29183000	- Carboxylic acids	945	20.7	0	0	84	84335200	-- Other threshing machinery	231	-26.1	0	0
29	29189100	-- 2,4,5-T (ISO) (2,4,5-	95	4.9	0	0	84	84335300	-- Root or tuber harvesting	78	-30.6	0	0
29	29189910	--- Ingredients for pesticides	7,154	13.8	0	0	84	84335900	-- Other	7,002	16.5	0	0
29	29189990	--- Other	7,154	13.8	0	0	84	84336000	- Machines for cleanin,	1,364	12.7	0	0
29	29191000	- Tris(2,3- dibromopropyl)	5	-100.0	0	0	84	84339000	- Parts	1,297	9.1	0	0
29	29199010	--- Ingredients for pesticides	726	2.4	0	0	84	84341000	- Milking machines	793	18.9	0	0
29	29199090	--- Other	726	2.4	0	0	84	84342000	- Dairy machinery	1,476	-1.1	0	0
29	29201900	-- Other	2	0.0	0	0	84	84351010	--- For beverage manufacturing	1,421	23.7	0	0
29	29209010	--- Sulphonic	7,698	31.1	0	0	84	84369100	-- Of poultry-	544	-28.1	0	0
29	29209020	--- Ingredients for pesticides	7,698	31.1	0	0	84	84369900	-- Other	1,952	-5.6	0	0
29	29209090	--- Other	7,698	31.1	0	0	84	84371000	- Machines for cleaning	8,149	-1.9	0	0
29	29211100	-- Methylamine,	603	-9.0	0	0	84	84378000	- Other machinery	9,748	7.3	0	0
29	29211910	--- Paraxylidine sulfamic acid	772	11.1	0	0	84	84385000	- Machinery	2,827	-4.7	0	0



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29	29211920	--- Bis(2-chloroethyl)	772	11.1	0	0	84	84386000	- Machinery	2,742	33.5	0	0
29	29211930	--- Chlormethine	772	11.1	0	0	84	84388010	--- For cereal food manufacture	10,606	4.7	0	0
29	29211940	--- Trichlormethine (INN) (	772	11.1	0	0	84	84388020	--- For fish preparation	10,606	4.7	0	0
29	29211950	--- N,N-Dialkyl(methyl, ethyl, n	772	11.1	0	0	84	84388090	--- Other	10,606	4.7	0	0
29	29211990	--- Other	772	11.1	0	0	84	84389090	--- Other	4,906	6.1	0	0
29	29212100	-- Ethylenediamine and its salts	1,360	6.5	0	0	84	84391000	- Machinery for making pulp of f	765	21.6	0	0
29	29212200	-- Hexamethylenediamine	112	19.2	0	0	84	84392000	- Machinery for making paper	3,411	-9.3	0	0
29	29212910	--- Aceto Acetic ortho anisidine	879	16.3	0		84	84393000	- Machinery for finishing paper	2,113	-8.4	0	0
29	29212920	--- Di amino stilbene	879	16.3	0		84	84399100	-- Of machinery for making	542	10.2	0	0
29	29212990	--- Other	879	16.3	0		84	84399900	-- Other	4,684	-1.3	0	0
29	29213000	- Cyclanic, cyclic or	1,052	-3.0	0	0	84	84401000	- Machinery	732	5.1	0	0
29	29214110	--- Aniline	991	-8.7	0	0	84	84409000	- Parts	18	13.9	0	0
29	29214190	--- Other	991	-8.7	0	0	84	84411000	- Cutting machines	7,759	-9.5	0	0
29	29214200	-- Aniline derivatives	27,685	67.0	0	0	84	84414000	- Machines	1,669	-13.0	0	0
29	29214310	--- Ingredients for pesticides	1,697	18.9	0	0	84	84419010	--- Of machines of heading	1,944	1.0	0	0
29	29214390	--- Other	1,697	18.9	0	0	84	84419090	--- Other	1,944	1.0	0	0
29	29214400	-- Diphenylamine and its	29	23.8	0	0	84	84423000	- Machinery, apparatus and	1,317	-20.1	0	0
29	29214590	--- Other	584	5.7	0	0	84	84424000	- Parts of the foregoing	285	-4.7	0	0
29	29214900	-- Other	6,861	-10.9	0	0	84	84431100	-- Offset printing machinery,	1,278	8.9	0	0
29	29215110	--- Ingredients for pesticides	26,503	43.9	0	0	84	84431200	-- Offset printing machinery,	388	-11.4	0	0
29	29215190	--- Other	26,503	43.9	0	0	84	84431300	-- Other offset printing	15,393	-12.7	0	0
29	29215900	-- Other	1,990	27.5	0		84	84431400	-- Letterpress printing	437	18.1	0	0
29	29221100	-- Monoethanolamine	572	-2.4	0	0	84	84431500	-- Letterpress printing	88	-100.0	0	0



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29	29221200	-- Diethanolamine and its salts	680	8.3	0	0	84	84431600	-- Flexographic printing	6,969	1.3	0	0
29	29221911	---- N,N-Dimethyl-2-	13,791	-0.1	0	0	84	84431951	----On cotton textile	35,466	-4.3	0	0
29	29221912	---- N,N-Diethyl-2-	13,791	-0.1	0	0	84	84431959	----Other	35,466	-4.3	0	0
29	29221919	---- Other	13,791	-0.1	0	0	84	84431990	--- Other	35,466	-4.3	0	0
29	29221990	--- Other	13,791	-0.1	0	0	84	84440000	Machines for extruding, drawing,	3,599	13.3	0	0
29	29222100	--	3,198	4.3	0	0	84	84451100	-- Carding machines	23,192	5.5	0	0
29	29222900	-- Other	16,112	14.0	0	0	84	84451200	-- Combing machines	6,523	-2.5	0	0
29	29223900	-- Other	1,825	34.6	0		84	84451910	--- Blow room machinery	13,246	-5.7	0	0
29	29224100	-- Lysine and its esters, salts	19,272	-2.3	0	0	84	84451990	--- Other	13,246	-5.7	0	0
29	29224210	--- Monosodium glutamate	11,875	-68.6	0		84	84452000	- Textile spinning machines	70,979	-2.6	0	0
29	29224290	--- Other	11,875	-68.6	0		84	84453000	- Textile doubling or twisting	6,265	11.4	0	0
29	29224300	-- Anthranilic acid and its salt	8	-100.0	0	0	84	84454010	--- Weft winding machines	30,297	-0.9	0	0
29	29224910	--- Alanine	39,036	5.4	0	0	84	84454030	--- Reeling machines	30,297	-0.9	0	0
29	29225000	- Amino- alcohol	11,171	4.4	0	0	84	84454090	--- Other	30,297	-0.9	0	0
29	29241910	--- Acetamide	8,794	14.0	0	0	84	84463000	- For weaving	71,152	-10.4	0	0
29	29241920	--- Acrylamido	8,794	14.0	0	0	84	84471100	-- With cylinder	8,791	5.4	0	0
29	29241990	--- Other	8,794	14.0	0	0	84	84471200	exceeding 165 mm	6,247	15.0	0	0
29	29242100	-- Ureines and their derivatives;	267	-4.9	0	0	84	84472000	- Flat knitting	3,099	-11.9	0	0
29	29242920	--- Aceto acet ortho toluidine	23,928	4.4	0	0	84	84481900	-- Other	15,504	-1.1	0	0
29	29242940	--- Phenacetine	23,928	4.4	0	0	84	84482000	- Parts and accessories of	1,238	-9.7	0	0
29	29242950	--- Ingredients for pesticides	23,928	4.4	0	0	84	84483200	-- Of machines	608	-1.9	0	0
29	29242990	--- Other	23,928	4.4	0	0	84	84483310	--- Spindle flyers and ring	11,521	1.3	0	0
29	29251100	-- Saccharin and its salts	3,514	-0.1	0	0	84	84483320	--- Spindles	11,521	1.3	0	0



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29	29251900	-- Other	246	-10.1	0	0	84	84485100	-- Sinkers	3,480	-8.3	0	0
29	29252910	--- Diphenyl-guanidine	7,924	14.6	0		84	84490000	Machinery	3,441	41.5	0	0
29	29252990	--- Other	7,924	14.6	0		84	84511000	- Dry- cleaning machines	1,398	-40.4	0	0
29	29261000	- Acrylonitrile	445	9.1	0		84	84512100	- exceeding 10 kg	27	-20.8	0	0
29	29262000	- 1- Cyanoguan	847	6.6	0	0	84	84512900	-- Other	6,464	7.6	0	0
29	29269010	--- Alpha cyano, 3-	100,557	3.3	0	0	84	84514020	--- Bleaching machine	28,249	16.2	0	0
29	29269020	--- (S) Alpha cyano, 3-	100,557	3.3	0	0	84	84514030	--- Dyeing machine	28,249	16.2	0	0
29	29269030	cyclopropane carboxalate	100,557	3.3	0	0	84	84515000	- Machines for reeling,	4,465	4.7	0	0
29	29269040	--- N-methylpyrrolidone	100,557	3.3	0	0	84	84518010	--- Coating or laminating	43,870	-5.3	0	0
29	29269050	--- Ingredients for pesticides	100,557	3.3	0	0	84	84518020	--- Machinery for pressing	43,870	-5.3	0	0
29	29269090	--- Other	100,557	3.3	0	0	84	84518030	--- Dressing and finishing	43,870	-5.3	0	0
29	29270010	--- Benzene-diazonium chloride	2,926	-3.7	0	0	84	84518040	--- Mercerizing machine	43,870	-5.3	0	0
29	29270020	--- Azobenzene	2,926	-3.7	0	0	84	84518050	--- Sanforizing machines	43,870	-5.3	0	0
29	29270030	--- Azoxybenzene,	2,926	-3.7	0	0	84	84518060	--- Stentering machines	43,870	-5.3	0	0
29	29270040	--- Diazoamino-benzene	2,926	-3.7	0	0	84	84518070	--- Shrinking machines	43,870	-5.3	0	0
29	29270090	--- Other	2,926	-3.7	0	0	84	84518090	--- Other	43,870	-5.3	0	0
29	29280010	--- Phenyl-hydrazine	1,225	9.1	0		84	84519000	- Parts	4,199	-7.2	0	0
29	29280020	--- Benzyl-phenyl-hydrazine	1,225	9.1	0		84	84522100	-- Automatic units	2,715	-11.6	0	0
29	29280090	--- Other	1,225	9.1	0		84	84522900	-- Other	29,592	-3.1	0	0
29	29291000	- Isocyanates	71,956	5.8	0	0	84	84523000	- Sewing machine needles	1,519	-5.5	0	0
29	29299010	--- Isocyanides	2,131	-6.2	0	0	84	84529090	--- Other	3,402	3.0	0	0
29	29302010	2-N, N-Dimethyl amino	8,749	31.1	0	0	84	84531000	- Machinery for preparing,	2,617	-18.6	0	0
29	29302020	--- S-S (2 dimethyl amino	8,749	31.1	0	0	84	84532000	- Machinery for making or	3,548	5.5	0	0



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29	29302030	--- Other Ingredients	8,749	31.1	0	0	84	84538000	- Other machinery	459	-5.3	0	0
29	29302090	--- Other	8,749	31.1	0	0	84	84539000	- Parts	1,011	-5.0	0	0
29	29303000	- Thiuram mono- , di- or	297	-7.3	0	0	84	84541000	- Converters	57	12.8	0	0
29	29304000	- Methionine	37,787	-6.2	0	0	84	84542000	- Ingot moulds and ladles	236	11.1	0	0
29	29309010	--- 2- N,N-dimethylamino 1,3	17,707	-1.8	0	0	84	84552100	-- Hot or combination hot and cold	17,950	20.6	0	0
29	29309020	--- O,S-dimethyl phosphoramidothioate	17,707	-1.8	0	0	84	84552200	-- Cold	8,990	12.8	0	0
29	29309030	--- Diafethiuran technical	17,707	-1.8	0	0	84	84553010	--- Cast iron rolls of a diameter	6,172	8.3	0	0
29	29309040	--- O-O diethyl O-(3,5,6	17,707	-1.8	0	0	84	84553090	--- Other	6,172	8.3	0	0
29	29309050	--- O-(4-bromo, 2-chloro	17,707	-1.8	0	0	84	84559000	- Other parts	2,746	-0.9	0	0
29	29309060	--- O,O diethyl O-(3,5,6-	17,707	-1.8	0	0	84	84562010	--- Machines for dry-etching	228	41.0	0	0
29	29309070	--- Ingredients for pesticides	17,707	-1.8	0	0	84	84562020	--- Apparatus for stripping or	228	41.0	0	0
29	29309091	dialkyl(methyl,ethyl,n-propyl or	17,707	-1.8	0	0	84	84562090	--- Other	228	41.0	0	0
29	29309092	2	17,707	-1.8	0	0	84	84563000	- Operated by electro	487	-15.7	0	0
29	29309093	---- O,O-Diethyl S-[2	17,707	-1.8	0	0	84	84569000	- Other	943	24.3	0	0
29	29309094	---- Containing a phosphorus	17,707	-1.8	0	0	84	84571000	- Machining centres	5,079	4.7	0	0
29	29309099	---- Other	17,707	-1.8	0	0	84	84572000	- Unit construction machines	104	38.0	0	0
29	29311000	- Tetramethyl lead	387	-11.2	0	0	84	84573000	- Multi- station transfer machines	173	-10.9	0	0
29	29312000	- Tributyltin compounds	10	-5.1	0	0	84	84595910	--- Horizontal,vertical	637	10.3	0	0
29	29319040	--- Ingredients for pesticides	13,227	-6.4	0	0	84	84642010	--- Grinding machines	1,495	7.2	0	0
29	29319050	--- 2-Chlorovinylidichloroarsine	13,227	-6.4	0	0	84	84642090	--- Polishing machines	1,495	7.2	0	0
29	29319060	--- Bis(2	13,227	-6.4	0	0	84	84649000	- Other	11,051	110.2	0	0
29	29319070	--- Tris(2-chlorovinyl)arsine	13,227	-6.4	0	0	84	84651000	- Machines	46	-20.8	0	0



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29	29319090	--- Other	13,227	-6.4	0	0	84	84659190	--- Other	548	3.5	0	0
29	29321100	-- Tetrahydrofuran	54	18.0	0	0	84	84659200	-- Planing, milling or moulding	470	-24.8	0	0
29	29321200	-- 2-Furaldehyde	478	14.1	0	0	84	84659300	-- Grinding, sanding or polishing	708	-31.8	0	0
29	29321300	-- Furfuryl alcohol	2	-19.7	0	0	84	84659400	-- Bending or assembling	328	-30.2	0	0
29	29321900	-- Other	1,715	18.0	0	0	84	84659600	-- Splitting, slicing or parin	193	2.6	0	0
29	29322010	--- 4,5,6,7- tetrachlorophthalide	3,292	13.1	0	0	84	84659900	-- Other	2,133	7.7	0	0
29	29322020	--- Isoascorbic acid	3,292	13.1	0	0	84	84661000	- Tool holders and self - opening dieheads	494	-29.6	0	0
29	29322030	--- Ingredients for pesticides	3,292	13.1	0	0	84	84662000	- Work holders	249	-0.1	0	0
29	29329910	--- 2,3 Dihydro 2-2 dimethyl-7 benzo furanyl methyl-carbamate	18,619	0.3	0	0	84	84669410	--- Of machine of heading 8462.1090, 8462.9110 & 8465.9110	2,008	-1.2	0	0
29	29329990	--- Other	18,619	0.3	0	0	84	84669490	--- Other	2,008	-1.2	0	0
29	29331100	-- Phenazone (antipyrin) and its derivatives	137	-5.1	0	0	84	84671100	-- Rotary type (including combined rotary-percussion)	165	-0.1	0	0
29	29331900	-- Other	2,256	22.6	0		84	84671900	-- Other	814	2.5	0	0
29	29332100	-- Hydantoin and its derivatives	252	-1.8	0	0	84	84672100	-- Drills of all kinds	2,579	-7.0	0	0
29	29332900	-- Other	15,954	2.7	0	0	84	84672200	-- Saws	339	4.5	0	0
29	29333100	-- Pyridine and its salts	41	7.5	0	0	84	84672900	-- Other	6,109	-6.5	0	0
29	29333200	-- Piperidine and its salts	2	0.0	0	0	84	84678100	-- Chain saws	518	2.2	0	0
29	29333300	-- Alfentanil (INN), anileridine (INN), bezitramide (INN), bromazepam (INN), difenoxin (INN), diphenoxylate (INN), dipipanone (INN), fentanyl (INN), ketobemidone (INN), methylphenidate (INN), pentazocine (INN), pethidine	1,962	-4.6	0	0	84	84678900	-- Other	2,443	-17.5	0	0





Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
		(INN), pethidine (INN) intermediate A, phencyclidine (INN) (PCP), phenoperidine (INN), pipradrol (INN), piritramide (INN), propiram (INN) and trimeperidine (INN); salts thereof											
29	29333910	--- Chloro-phenir-amine and isoniazid	37,474	8.3	0	0	84	84679100	-- Of chain saws	371	13.0	0	0
29	29333940	--- 3-Quinuclidinyl benzilate	37,474	8.3	0	0	84	84679200	-- Of pneumatic tools	276	-6.2	0	0
29	29333950	--- Quniuclidine-3-ol	37,474	8.3	0	0	84	84679900	-- Other	1,787	-9.2	0	0
29	29333960	--- Ingredients for pesticides	37,474	8.3	0	0	84	84681000	- Hand- held blow pipes	12	-16.4	0	0
29	29334910	--- Amodiaquine	18,647	6.3	0	0	84	84682000	- Other gas- operated machinery and apparatus	258	-7.5	0	0
29	29334920	--- Quinoline	18,647	6.3	0	0	84	84688000	- Other machinery and apparatus	794	8.2	0	0
29	29334930	--- Chloroquine sulphate	18,647	6.3	0	0	84	84689000	- Parts	480	-6.5	0	0
29	29334940	--- Chloroquine phosphate	18,647	6.3	0	0	84	84742010	--- For cement industry	45,688	-36.0	0	0
29	29335300	-- Allobarbitol (INN), amobarbitol (INN), barbitol (INN), butalbitol (INN), butobarbitol, cyclobarbitol (INN), methylphenobarbitol (INN), pentobarbitol (INN), phenobarbitol (INN), secbutabarbitol (INN), secobarbitol (INN) and vinylbitol (INN); salts thereof	79	30.0	0		84	84743110	--- For cement industry	11,098	-29.7	0	0
29	29335500	-- Loprazolam (INN), mecloqualone (INN), methaqualone (INN) and zipeprol (INN); salts thereof	3	-100.0	0	0	84	84743210	--- Not exceeding 150 t/h	6,129	-20.9	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
29	29335910	--- 0, Diethyl, 0 (2, iso propyl-6 methyl-pyrimidin-4-YL) phosphoro thioate	41,516	12.8	0	0	84	84743290	--- Other	6,129	-20.9	0	0
29	29335920	--- 1-tert, butyl-3 (2,6 iso propyl 4-phenoxy phenyl thiourea	41,516	12.8	0	0	84	84743900	-- Other	6,425	-55.1	0	0
29	29335950	--- Ingredients for pesticides	41,516	12.8	0	0	84	84748010	--- Hydraulic press for ceramic industry of capacity exceeding 80 tons	88,922	-32.3	0	0
29	29336100	-- Melamine	8,476	8.1	0	0	84	84748090	--- Other	88,922	-32.3	0	0
29	29336910	--- Pyrimethamine	15,000	10.1	0		84	84749010	--- Of machine of heading 8474.1020, 8474.3120, 8474.3210, 8474.3290, 8474.3910 & 8474.8010	23,055	0.9	0	0
29	29336920	--- Isoniazid	15,000	10.1	0		84	84749020	--- Of machine of heading 8474.2010, 8474.2090, 8474.3110, 8474.3130, 8474.3190 & 8474.8090	23,055	0.9	0	0
29	29336930	--- Cyanuric chloride	15,000	10.1	0		84	84751000	- Machines for assembling electric or electronic lamps, tubes or valves or flashbulbs, in glass envelopes	268	74.0	0	0
29	29336940	--- Ingredients for pesticides	15,000	10.1	0		84	84752100	-- Machines for making optical fibres and preforms thereof	10	-100.0	0	0
29	29336990	--- Other	15,000	10.1	0		84	84752900	-- Other	10,753	3.9	0	0
29	29337100	-- 6-Hexanelactam (epsilon-caprolactam)	86	4.0	0	0	84	84759000	- Parts	1,929	-0.4	0	0
29	29337910	--- Isatin (lactam of istic acid)	3,382	12.0	0	0	84	84772000	- Extruders	15,241	-7.8	0	0
29	29337920	--- 1-Vinyl-2-pyrrol-idone	3,382	12.0	0	0	84	84773010	--- Of capacity not exceeding 0.22 litres	10,145	-11.7	0	0
29	29339910	--- Ingredients for pesticides	33,408	15.1	0		84	84773090	--- Other	10,145	-11.7	0	0
29	29341010	--- Ingredients for pesticides	6,121	16.5	0	0	84	84774010	--- Of capacity not exceeding 0.228 litres	3,149	-4.8	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
29	29342000	- Compounds containing in the structure a benzothiazole ring-system (whether or not hydrogenated), not further fused	2,398	33.6	0		84	84774090	--- Other	3,149	-4.8	0	0
29	29343000	- Compounds containing in the structure a phenothiazine ring- system (whether or not hydrogenated), not further fused	607	13.2	0	0	84	84775100	-- For moulding or retreading pneumatic tyres or for moulding or otherwise forming inner tubes	1,165	-28.1	0	0
29	29349100	-- Aminorex (INN), brotizolam (INN), clotiazepam (INN), cloxazolam (INN), dextromoramide (INN), haloxazolam (INN), ketazolam (INN), mesocarb (INN), oxazolam (INN), pemoline (INN), phendimetrazine (INN), phenmetrazine (INN) and sufentanil (INN); salts thereof	96	-12.5	0	0	84	84775900	-- Other	1,768	2.3	0	0
29	29349920	--- Ingredients for pesticides	82,056	3.2	0	0	84	84778000	- Other machinery	43,456	-7.4	0	0
29	29362100	-- Vitamins A and their derivatives	4,593	10.7	0	0	84	84789000	- Parts	2,965	-13.3	0	0
29	29362200	-- Vitamin B1 and its derivatives	3,464	-9.2	0	0	84	84791010	--- Asphalt pavers	11,258	-2.0	0	0
29	29362300	-- Vitamin B2 and its derivatives	2,602	-3.2	0	0	84	84791090	--- Other	11,258	-2.0	0	0
29	29362400	-- D- or DL-Pantothenic acid (Vitamin B3 or Vitamin B5) and its derivatives	4,219	7.8	0	0	84	84792000	- Machinery for the extraction or preparation of animal or fixed vegetable fats or oils	10,224	40.2	0	0
29	29362500	-- Vitamin B6 and its derivatives	3,726	-2.5	0	0	84	84793000	- Presses for the manufacture of particle board or fibre building board of wood or other ligneous materials and other machinery	3,403	-9.7	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
									for treating wood or cork				
29	29362600	-- Vitamin B12 and its derivatives	6,833	7.1	0	0	84	84794000	- Rope or cable making machines	2,485	-4.8	0	0
29	29362700	-- Vitamin C and its derivatives	7,799	6.1	0	0	84	84795000	- Industrial robots, not elsewhere specified or included	2,250	46.1	0	0
29	29362800	-- Vitamin E and its derivatives	6,210	-0.7	0	0	84	84797100	-- Of a kind used in airports	8,538	-100.0	0	0
29	29362900	-- Other vitamins and their derivatives	11,686	-1.6	0	0	84	84797900	-- Other	176	26.4	0	0
29	29369000	- Other, including natural concentrates	4,223	2.6	0	0	84	84798100	-- For treating metal, including electric wire coil-winders:	5,522	-35.7	0	0
29	29371200	-- Insulin and its salts	2,819	9.9	0		84	84798220	--- Soap making machines	21,426	-1.4	0	0
29	29371900	-- Other	1,280	5.9	0	0	84	84798230	--- Oil refining machines	21,426	-1.4	0	0
29	29372100	-- Cortisone, hydrocortisone, prednisone (dehydrocortisone) and prednisolone (dehydrohydrocortisone)	4,551	-3.6	0	0	84	84798290	--- Other	21,426	-1.4	0	0
29	29372300	-- Oestrogens and progestogens	12,078	14.9	0		84	84798910	--- Eyeletting, fastening and thread sucking machines	103,302	1.5	0	0
29	29372900	-- Other	3,511	14.8	0		84	84798920	--- Automatic machines for attaching rivets, metal buttons, eyelets etc on garments.	103,302	1.5	0	0
29	29375000	- Prostaglandins, thromboxanes and leukotrienes, their derivatives and structural analogues	1,829	7.9	0	0	84	84798930	--- Tableting machines	103,302	1.5	0	0
29	29379000	- Other	1,455	2.3	0	0	84	84798940	--- Capsule polishers	103,302	1.5	0	0
29	29381000	- Rutoside (rutin) and its derivatives	17	4.2	0	0	84	84798950	--- Tyre changers	103,302	1.5	0	0
29	29389010	--- Ingredients for pesticides	13,050	-20.8	0		84	84799010	--- Of machines of heading 8479.2000, 8479.6000,	24,319	15.5	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
									8479.8210, 8479.8230 & 8479.8290				
29	29389090	--- Other	13,050	-20.8	0		84	84799090	--- Other	24,319	15.5	0	0
29	29391100	-- Concentrates of poppy straw; buprenorphine (INN), codeine, dihydrocodeine (INN), ethylmorphine, etorphine (INN), heroin, hydrocodone (INN), hydromorphone (INN), morphine, nicomorphine (INN), oxycodone (INN), oxymorphone (INN), pholcodine (INN), thebacon (INN) and thebaine; salts thereof	708	-16.8	0	0	84	84801000	- Moulding boxes for metal foundry	481	-3.9	0	0
29	29391900	-- Other	2,102	4.4	0	0	84	84802000	- Mould bases	825	-13.7	0	0
29	29392010	--- Quinine sulphate	74	-5.7	0	0	84	84803000	- Moulding patterns	440	44.8	0	0
29	29392090	--- Other	74	-5.7	0	0	84	84804100	-- Injection or compression types	1,099	-15.6	0	0
29	29393000	- Caffeine and its salts	5,204	-2.4	0	0	84	84804900	-- Other	4,513	-2.2	0	0
29	29395100	-- Fenetylline (INN) and its salts	27	-100.0	0	0	84	84805000	- Moulds for glass	1,382	7.6	0	0
29	29395900	-- Other	3,114	10.6	0	0	84	84806000	- Moulds for mineral materials	5,524	-28.4	0	0
29	29396200	-- Ergotamine (INN) and its salts	22	-18.3	0	0	84	84807900	-- Other	23,949	-4.4	0	0
30	30019000	- Other	22	148.6	0	0	84	84841010	--- Spiral wound	8,933	-3.6	0	0
30	30022010	--- Tetanus toxide	228,602	1.3	0	0	84	84842020	--- Metal Jacketed gaskets	6,945	-8.4	0	0
30	30022020	--- For prevention of hepatitis-B	228,602	1.3	0	0	84	84842090	--- Other	6,945	-8.4	0	0
30	30029010	--- Human blood	6,296	-3.6	0	0	84	84862000	- Machines and apparatus for the manufacture of semiconductor devices or of electronic integrated circuits	71	153.9	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
30	30029020	--- Animal blood	6,296	-3.6	0	0	84	84864000	- Machines and apparatus specified in Note 9 (C) to this Chapter	143	211.0	0	0
30	30061010	--- Vascular grafts	14,007	-5.2	0	0	84	84869000	- Parts and accessories.	46	41.1	0	0
30	30066000	- Chemical contraceptive preparations based on hormones, on other products of heading 29.37 or on spermicides	1,611	-33.2	0	0	84	84871000	- Ships' or boats' propellers and blades therefor	76	-46.4	0	0
31	31021000	- Urea, whether or not in aqueous solution	21,504	-59.1	0		85	85011000	- Motors of an output not exceeding 37.5 W	13,534	4.9	0	0
31	31022100	-- Ammonium sulphate	17,270	24.8	0	0	85	85012000	- Universal AC/DC motors of an output exceeding 37.5 W	11,882	16.8	0	0
31	31022900	-- Other	1,155	-53.9	0	0	85	85013110	--- Photovoltaic generators consisting of panels of photocells combined with other apparatus	4,097	11.1	0	0
31	31023000	- Ammonium	3,743	14.5	0	0	85	85013190	--- Other	4,097	11.1	0	0
31	31024000	- Mixtures	13	-14.0	0	0	85	85013210	--- Photovoltaic	5,051	61.0	0	0
31	31025090	--- Other	1,269	11.6	0	0	85	85013290	--- Other	5,051	61.0	0	0
31	31026000	- Double salts	63	24.4	0	0	85	85015320	--- Submersible	9,355	-10.2	0	0
31	31028000	- Mixtures	12	-100.0	0	0	85	85015330	--- Geared motors	9,355	-10.2	0	0
31	31029000	- Other,	348	3.9	0	0	85	85015340	--- H.T Motors with operating input voltage above 1 kV	9,355	-10.2	0	0
31	31039000	- Other	52	-100.0	0	0	85	85023100	-- Wind-powered	217,970	-23.5	0	0
31	31042000	- Potassium chloride	10,287	13.2	0	0	85	85023900	-- Other	241,861	0.5	0	0
31	31043000	- Potassium sulphate	25,670	14.0	0	0	85	85030010	---	66,345	-28.0	0	0
31	31049000	- Other	10,169	-6.6	0	0	85	85049010	--- On load-tape changer for power transformers	34,532	-2.0	0	0



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HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
31	31051000	- Goods	298	-18.9	0	0	85	85049020	- - - Bushings for power transformers	34,532	-2.0	0	0
31	31052000	- Mineral or chemical fertilisers	3,545	14.1	0	0	85	85049030	- - - Of machines of heading	34,532	-2.0	0	0
31	31053000	- Diammonium	558,916	-4.8	0	0	85	85051100	- - Of metal	2,313	24.3	0	0
31	31054000	- Ammoniumdihydrogen	8,925	84.3	0	0	85	85051900	- - Other	3,217	12.2	0	0
31	31055900	- - Other	3,750	26.7	0		85	85052000	- Electro- magnetic couplings,	537	-1.0	0	0
31	31056000	- Mineral or chemical fertilisers	55	-100.0	0	0	85	85059000	- Other, including parts	1,506	-25.6	0	0
31	31059000	- Other	1,659	24.4	0	0	85	85069010	- - - Brass caps for dry battery cell	543	-19.3	0	0
32	32011000	- Quebracho extract	731	-12.0	0	0	85	85069090	- - - Other	543	-19.3	0	0
32	32012000	- Wattle extract	3,540	-2.6	0	0	85	85103000	- Hair- removing appliances	420	-4.7	0	0
32	32019010	- - - Acacia catechu (cutch)	3,995	-3.1	0	0	85	85109000	- Parts	220	-0.8	0	0
32	32019020	- - - Oak or chestnut extract	3,995	-3.1	0	0	85	85131010	- - - Miners' safety lamps	11,956	-7.9	0	0
32	32019030	- - - Gambier	3,995	-3.1	0	0	85	85139010	- - - Of Miners' safety lamps	78	-8.5	0	0
32	32019090	- - - Other	3,995	-3.1	0	0	85	85141000	- Resistance heated furnaces and ovens	466	-2.9	0	0
32	32061100	- - Containing 80 %	73,369	2.6	0	0	85	85142000	- Furnaces	2,785	-14.8	0	0
32	32065010	- - - Flourescent powder	16	-11.2	0	0	85	85143000	- Other Furnaces and ovens	6,790	-27.0	0	0
32	32071020	- - - Ceramic Colours	2,109	14.7	0		85	85144000	- Other equipment	1,895	-8.1	0	0
32	32074010	- - - Glass frit	14,531	16.3	0		85	85149000	- Parts	2,045	13.8	0	0
34	34021910	- - - Cocoamidopropyl betain	3,450	5.4	0	0	85	85151100	- - Soldering iron and guns	735	-4.4	0	0
34	34031131	- - - Spin finish oil	3,594	-13.1	0	0	85	85151900	- - Other	1,546	1.0	0	0
34	34039131	- - - Spin finish oil	20,647	-1.8	0	0	85	85152100	- - Fully or partly automatic	1,512	-28.3	0	0
34	34039910	- - - Mould release preparations	9,541	-0.7	0	0	85	85152900	- - Other	1,490	-25.9	0	0
34	34042000	- Of poly (oxyethylene) (	3,089	9.2	0		85	85153100	- - Fully or partly automatic	685	-23.6	0	0



Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
34	34049020	--- Of chemically modified l	11,056	-6.6	0	0	85	85153900	-- Other	5,255	-18.8	0	0
34	34049030	--- Wax for wax jet engraver	11,056	-6.6	0	0	85	85158000	- Other machines and apparatus	2,501	11.6	0	0
34	34049040	--- Wax for fungicides	11,056	-6.6	0	0	85	85159000	- Parts	3,328	-16.1	0	0
35	35040000	Peptones	1,021	15.3	0		85	85169000	- Parts	12,852	11.7	0	0
35	35069910	--- Sealant ha acetate from 10	2,629	8.2	0	0	85	85198110	--- Dubbing system	102	11.8	0	0
37	37011000	- For X- ray	12,593	-2.5	0	0	85	85198920	--- Dubbing system	614	0.0	0	0
37	37012000	- Instant print film	97	19.8	0		85	85229000	- Other	8,915	20.3	0	0
37	37013010	--- Of a kind used in textile	8,817	-5.0	0	0	85	85232100	-- Cards incorporating	5,842	24.6	0	0
37	37019900	-- Other	11	-4.9	0	0	85	85238010	--- Other, for reproducing	17,160	-55.7	0	0
37	37021000	- For X- ray	41	-100.0	0	0	85	85238040	--- Video tapes of education nature	17,160	-55.7	0	0
37	37023900	-- Other	132	-3.4	0	0	85	85301000	- Equipment for railways	9,474	-63.9	0	0
37	37024200	-- Of a width colour	14	85.6	0	0	85	85309000	- Parts	738	56.0	0	0
37	37024300	-- Of a width	106	-43.7	0	0	85	85311000	- Burglar or fire	5,047	-16.1	0	0
37	37024400	-- Of a width exceeding 105 mm	2,528	-10.9	0	0	85	85319010	--- Panic button	4,970	3.5	0	0
37	37029800	-- Of a width exceeding 35 mm	0	-100.0	0	0	85	85334000	- Other variable	1,301	1.6	0	0
37	37031000	- In rolls of a width exceeding	5	-24.2	0	0	85	85339000	- Parts	85	22.9	0	0
37	37032000	- Other for colour photography	225	-33.0	0	0	85	85399010	--- Tungsten	14,293	42.4	0	0
37	37039000	- Other	944	-12.5	0	0	85	85399020	--- Base cap for bulb	14,293	42.4	0	0
37	37040000	Photographic	18	20.1	0		85	85399040	--- Parts for energy saving lamps	14,293	42.4	0	0
37	37071000	- Sensitising emulsions	881	-3.5	0	0	85	85411000	- diodes,	2,594	5.7	0	0
37	37079000	- Other	2,924	1.1	0	0	85	85412100	-- With a dissipation rate of less than 1 W	127	-19.7	0	0
38	38011000	- Artificial graphite	369	23.3	0	0	85	85412900	-- Other	1,332	19.3	0	0





Analysis of Tariff Rationalization of 1623 Tariff lines

HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD	HS 2	PCT CODE	Description	Total Imports Average 000 USD	CAGR	CD	ACD
38	38012000	- Colloidal or semi-	67	9.5	0	0	85	85413000	- Thyristors,	180	2.3	0	0
38	38013000	- Carbonaceous pastes for	239	34.0	0	0	85	85414000	- Photosensitive semiconducttor	451,253	-6.2	0	0
38	38019000	- Other	252	-19.3	0	0	85	85415000	- Other semiconductor devices	440	-0.7	0	0
38	38040000	Residual lyes	2,047	-13.3	0	0	85	85416000	- Mounted piezo- electric crystals	701	17.1	0	0
38	38089170	- - - Products registered under	87,485	12.7	0	0	85	85419000	- Parts	480	26.8	0	0
38	38089199	- - - - Other	87,485	12.7	0	0	85	85423100	- - Processors and controllers,	3,650	-9.0	0	0
38	38089220	- - - For leather industry	29,754	2.8	0	0	85	85423200	- - Memories	601	-40.8	0	0
38	38089310	- - - Products registered under	49,201	-2.1	0	0	85	85423300	- - Amplifiers	516	1.5	0	0
38	38089390	- - - Other	49,201	-2.1	0	0	85	85423900	- - Other	7,436	4.9	0	0
38	38151100	- - With	2,607	-8.4	0	0	85	85429000	- Parts	1,650	29.2	0	0
38	38151200	- - With precious	3,995	18.5	0	0	85	85433000	Machines and apparatus for	3,414	-32.0	0	0
38	38151910	- - - Antimony triacetate	7,010	-15.4	0	0	85	85437090	- - - Other	34,394	-7.3	0	0
38	38151990	- - - Other	7,010	-15.4	0	0	85	85439010	- - - Of machines of heading	3,525	5.3	0	0
38	38159000	- Other	9,285	5.8	0	0	85	85439090	- - - Other	3,525	5.3	0	0
38	38170000	Mixed	91,898	7.8	0	0	85	85444210	- - - Computer leads	19,594	-5.8	0	0
38	38210000	Prepared	2,715	49.7	0	0	85	85451100	- - Of a kind used for furnaces	2,432	-1.6	0	0

Analyses of Tariff Rationalization of 1623 Tariff Lines



Annexure 2: Raw Material for consumer goods

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
27111100	2,237,152	19.59%	11	0		17	11	41062200	410	-40.59%	0	0		17	11
31053000	558,916	-4.80%	0	0		17	11	29311000	387	-11.20%	0	0		17	11
89080000	351,467	-10.69%	0	0		17	11	41151000	385	-29.04%	0	0		17	11
29053100	238,270	-5.54%	0	0		17	11	47031900	383	0.00%	0	0		17	11
38170000	91,898	7.83%	0	0		17	11	38011000	369	23.32%	0	0		17	11
39072000	83,029	-1.47%	0	0		17	11	29071900	369	22.70%	0	0		17	11
29012100	74,400	-7.48%	0	0		17	11	41139000	356	-24.97%	0	0		17	11
32061100	73,369	2.60%	0	0		17	11	40025100	349	-7.44%	0	0		17	11
47032100	62,535	14.52%	0	0		17	11	31029000	348	3.89%	0	0		17	11
39095000	59,666	18.07%	0	0		17	11	29072100	339	26.07%	0	0		17	11
29051100	45599.8	4.21%	0	0		17	11	41079200	325	31.28%	0	0		17	11
47032900	41324	3.34%	0	0		17	11	29072200	314	16.66%	0	0		17	11
40012200	40569.8	8.16%	0	0		17	11	29321400	313	0.00%	0	0		17	11
39033000	40554.4	1.83%	0	0		17	11	31051000	298	-18.90%	0	0		17	11
29304000	37787.2	-6.20%	0	0		17	11	29303000	297	-7.30%	0	0		17	11
40021900	37464	4.88%	0	0		17	11	29061300	287	3.99%	0	0		17	11
29051600	35059	-1.46%	0	0		17	11	44032200	278	0.00%	0	0		17	11
31043000	25669.6	14.02%	0	0		17	11	5040000	258	23.97%	0	0		17	11
40023100	23674.6	9.05%	0	0		17	11	29039900	257	-30.97%	0	0		17	11
40011000	22963	-1.36%	0	0		17	11	29332100	252	-1.81%	0	0		17	11
31021000	21504.4	-59.06%	0	0		17	11	38019000	252	-19.34%	0	0		17	11
44039900	18864	-36.73%	0	0		17	11	38013000	239	34.02%	0	0		17	11
29031500	17874.6	12.45%	0	0		17	11	29171300	239	6.40%	0	0		17	11
31022100	17270.4	24.79%	0	0		17	11	29182300	228	-1.47%	0	0		17	11
29024100	17200.4	-5.81%	0	0		17	11	37032000	225	-32.95%	0	0		17	11
44079900	16432.4	-32.73%	0	0		17	11	47062000	209	-27.74%	0	0		17	11
29161200	16285.4	-0.98%	0	0		17	11	27111200	188	-14.90%	0	0		17	11
29332900	15954.4	2.72%	0	0		17	11	41069200	183	0.00%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
40021100	15155	4.75%	0	0		17	11	29055900	165	-6.11%	0	0		17	11
29053200	13435.8	1.26%	0	0		17	11	53013000	162	0.00%	0	0		17	11
39074000	13433.2	-2.42%	0	0		17	11	41071200	162	25.97%	0	0		17	11
47050000	13086.8	14.18%	0	0		17	11	29071500	155	23.12%	0	0		17	11
37011000	12593.2	-2.49%	0	0		17	11	29331100	137	-5.14%	0	0		17	11
31042000	10287.2	13.23%	0	0		17	11	37023900	132	-3.44%	0	0		17	11
40012100	10206.8	8.06%	0	0		17	11	29052900	130	22.91%	0	0		17	11
31049000	10169.2	-6.55%	0	0		17	11	29071200	130	-7.32%	0	0		17	11
31054000	8925.4	84.34%	0	0		17	11	41041100	118	-49.12%	0	0		17	11
29336100	8476.2	8.15%	0	0		17	11	29037400	111	33.60%	0	0		17	11
29181600	8465.2	3.99%	0	0		17	11	37024300	106	-43.72%	0	0		17	11
29161400	8324.2	-6.26%	0	0		17	11	47069200	102	0.00%	0	0		17	11
47031100	8283.4	5.37%	0	0		17	11	37012000	97	19.76%	0	0		17	11
41051000	7726.2	4.78%	0	0		17	11	29349100	96	-12.50%	0	0		17	11
29032100	7197	245.57%	0	0		17	11	29189100	95	4.94%	0	0		17	11
47010000	7145	8.09%	0	0		17	11	53029000	94	#####	0	0		17	11
29061100	6323.6	12.78%	0	0		17	11	29337100	86	3.97%	0	0		17	11
29054200	5792.2	-6.14%	0	0		17	11	29335300	79	29.98%	0	0		17	11
40024900	5766.8	-0.09%	0	0		17	11	71031000	78	-7.44%	0	0		17	11
41071900	5392	-22.58%	0	0		17	11	29061200	76	52.40%	0	0		17	11
40025900	5200	4.12%	0	0		17	11	29337200	75	0.00%	0	0		17	11
29071100	4450.8	5.48%	0	0		17	11	51051000	70	-37.75%	0	0		17	11
38151200	3995.4	18.53%	0	0		17	11	41044900	67	-14.62%	0	0		17	11
29031200	3981	-1.21%	0	0		17	11	38012000	67	9.54%	0	0		17	11
31055900	3750	26.73%	0	0		17	11	31026000	63	24.37%	0	0		17	11
31023000	3743.4	14.47%	0	0		17	11	29151300	55	-9.54%	0	0		17	11
39081000	3737.8	5.79%	0	0		17	11	31056000	55	0.00%	0	0		17	11
47042900	3586.4	15.14%	0	0		17	11	29321100	54	17.98%	0	0		17	11
29031300	3583	7.83%	0	0		17	11	45019000	54	-0.83%	0	0		17	11
31052000	3545	14.10%	0	0		17	11	29181300	53	1.61%	0	0		17	11
32012000	3540	-2.59%	0	0		17	11	31039000	52	0.00%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
41062100	3382.8	-6.67%	0	0		17	11	45011000	48	2.50%	0	0		17	11
44031100	3307.2	0.00%	0	0		17	11	44032400	47	0.00%	0	0		17	11
40030000	3224.2	-3.30%	0	0		17	11	59029000	43	4.68%	0	0		17	11
39089000	3127.4	-6.45%	0	0		17	11	29333100	41	7.53%	0	0		17	11
34042000	3089.2	9.17%	0	0		17	11	37021000	41	0.00%	0	0		17	11
39071000	2951.6	-2.61%	0	0		17	11	47069100	38	0.00%	0	0		17	11
37079000	2924.2	1.14%	0	0		17	11	48022000	34	-33.84%	0	0		17	11
38210000	2715.2	49.66%	0	0		17	11	41142000	28	-6.95%	0	0		17	11
38151100	2607.2	-8.40%	0	0		17	11	37024100	24	0.00%	0	0		17	11
37024400	2528.2	-10.93%	0	0		17	11	41012000	22	-11.54%	0	0		17	11
29342000	2398.4	33.64%	0	0		17	11	41044100	20	0.00%	0	0		17	11
29032200	2259.8	-3.30%	0	0		17	11	37040000	18	20.11%	0	0		17	11
29331900	2255.8	22.60%	0	0		17	11	71101900	17	-8.97%	0	0		17	11
40012900	2188.8	-6.80%	0	0		17	11	27112100	16	55.18%	0	0		17	11
40029100	2148.4	-12.64%	0	0		17	11	41053000	15	59.53%	0	0		17	11
40027000	2137.6	1.72%	0	0		17	11	29071300	14	-37.52%	0	0		17	11
29054300	2050	21.46%	0	0		17	11	41019000	14	0.00%	0	0		17	11
38040000	2046.6	-13.31%	0	0		17	11	31024000	13	-13.99%	0	0		17	11
40022000	2035.4	-7.44%	0	0		17	11	44012200	13	0.00%	0	0		17	11
29333300	1962.4	-4.61%	0	0		17	11	44042000	12	0.00%	0	0		17	11
29051400	1918.8	3.52%	0	0		17	11	37019900	11	-4.90%	0	0		17	11
41041900	1911.4	-15.56%	0	0		17	11	40024100	11	-8.97%	0	0		17	11
40029900	1857	-0.87%	0	0		17	11	44011100	11	0.00%	0	0		17	11
29161100	1754.4	7.08%	0	0		17	11	29312000	10	-5.11%	0	0		17	11
29321900	1715	18.04%	0	0		17	11	44031200	9	0.00%	0	0		17	11
31059000	1659.2	24.41%	0	0		17	11	53039000	8	0.00%	0	0		17	11
29162000	1540	11.27%	0	0		17	11	44039400	8	0.00%	0	0		17	11
29181900	1537.2	-8.50%	0	0		17	11	52030000	7	-10.59%	0	0		17	11
53012900	1479.8	6.67%	0	0		17	11	48024000	7	2.38%	0	0		17	11
29072900	1430.8	5.27%	0	0		17	11	29335200	6	0.00%	0	0		17	11
41079900	1179.2	-23.15%	0	0		17	11	29032900	6	51.57%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
31022900	1154.6	-53.87%	0	0		17	11	29038100	5	0.00%	0	0		17	11
29053900	1084.8	-5.28%	0	0		17	11	37031000	5	-24.21%	0	0		17	11
40023900	1071.4	-9.34%	0	0		17	11	41071100	4	8.45%	0	0		17	11
35040000	1021	15.28%	0	0		17	11	41069100	4	0.00%	0	0		17	11
29072300	1010.2	4.56%	0	0		17	11	27111300	4	14.87%	0	0		17	11
44032600	957.6	0.00%	0	0		17	11	41141000	4	0.00%	0	0		17	11
29183000	945.2	20.75%	0	0		17	11	29335500	3	0.00%	0	0		17	11
37039000	943.8	-12.48%	0	0		17	11	29313300	3	0.00%	0	0		17	11
44032100	931.8	0.00%	0	0		17	11	41079100	3	0.00%	0	0		17	11
29032300	918.4	4.71%	0	0		17	11	71011000	3	0.00%	0	0		17	11
29051300	904.2	0.59%	0	0		17	11	71039900	2	-30.12%	0	0		17	11
31031900	883.2	0.00%	0	0		17	11	45020000	2	0.00%	0	0		17	11
37071000	881.2	-3.48%	0	0		17	11	71059000	2	0.00%	0	0		17	11
29037300	814.2	-32.07%	0	0		17	11	53011000	2	0.00%	0	0		17	11
29052200	743.6	12.36%	0	0		17	11	29012300	2	0.00%	0	0		17	11
44041000	731.8	1.44%	0	0		17	11	29333200	2	0.00%	0	0		17	11
32011000	731	-11.95%	0	0		17	11	29321300	2	-19.73%	0	0		17	11
29062100	721.4	1.79%	0	0		17	11	29037200	2	0.00%	0	0		17	11
29181200	642.8	-4.75%	0	0		17	11	29038900	1	0.00%	0	0		17	11
41120000	624.6	11.27%	0	0		17	11	29163400	1	0.00%	0	0		17	11
29343000	607.4	13.24%	0	0		17	11	29037600	1	0.00%	0	0		17	11
41022900	551.2	-0.75%	0	0		17	11	27111400	1	0.00%	0	0		17	11
31031100	543.8	0.00%	0	0		17	11	40013000	1	0.00%	0	0		17	11
41131000	537.8	-33.78%	0	0		17	11	37050000	1	0.00%	0	0		17	11
29049900	519.2	0.00%	0	0		17	11	41133000	1	0.00%	0	0		17	11
29163200	512.8	11.73%	0	0		17	11	37019100	1	0.00%	0	0		17	11
29321200	478.4	14.06%	0	0		17	11	29335400	0	0.00%	0	0		17	11
29161300	471	-32.48%	0	0		17	11	71061000	0	0.00%	0	0		17	11
29054100	451.2	17.57%	0	0		17	11	71039100	0	0.00%	0	0		17	11
41062200	410.2	-40.59%	0	0		17	11	71104900	0	0.00%	0	0		17	11
29311000	387.2	-11.20%	0	0		17	11	26169000	-	0.00%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
41151000	385	-29.04%	0	0		17	11	71042000	-	0.00%	0	0		17	11
47031900	382.6	-100.00%	0	0		17	11	71041000	-	0.00%	0	0		17	11
38011000	369	23.32%	0	0		17	11	29033100	-	0.00%	0	0		17	11
29071900	368.6	22.70%	0	0		17	11	29012400	-	0.00%	0	0		17	11

Analyses of Tariff Rationalization of 1623 Tariff Lines



Annexure 3: Raw material for capital goods

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
740311	80,907	-7%	0	0		17	11	291450	290	6.91%	0	0		17	11
292910	71,956	6%	0	0		17	11	810411	280	9.87%	0	0		17	11
760110	55,834	-13%	0	0		17	11	292421	267	-4.92%	0	0		17	11
780110	50,571	-50%	0	0		17	11	720241	255	-10.11%	0	0		17	11
440729	38,186	-11%	0	0		17	11	292519	246	-10.07%	0	0		17	11
720230	36,550	11%	0	0		17	11	291413	244	8.57%	0	0		17	11
790111	30,701	8%	0	0		17	11	440791	239	53.12%	0	0		17	11
292142	27,685	67%	0	0		17	11	811100	236	6.40%	0	0		17	11
760120	23,347	-24%	0	0	10	17	11	740319	235	-3.13%	0	0		17	11
440711	22,686	0%	0	0		17	11	291462	232	0.00%	0	0		17	11
292241	19,272	-2%	0	0		17	11	811090	212	-100.00%	0	0		17	11
790120	16974.8	8.09%	0	0		17	11	291249	208	14.96%	0	0		17	11
292229	16111.8	13.95%	0	0		17	11	810920	207	0.00%	0	0		17	11
290941	11694	-1.18%	0	0		17	11	291439	197	43.63%	0	0		17	11
292250	11170.8	4.39%	0	0		17	11	291010	194	10.79%	0	0		17	11
750210	9386	1.03%	0	0		17	11	720219	184	-32.52%	0	0		17	11
381590	9284.6	5.79%	0	0		17	11	810196	180	-4.89%	0	0		17	11
720110	8245	-10.94%	0	0		17	11	440500	178	5.55%	0	0		17	11
720211	7774	-7.21%	0	0		17	11	740322	153	-48.03%	0	0		17	11
440795	6961	-3.20%	0	0		17	11	720249	133	4.87%	0	0		17	11
292149	6861	-10.89%	0	0		17	11	720270	127	3.01%	0	0		17	11
800110	5876.6	3.58%	0	0		17	11	291423	125	-8.13%	0	0		17	11
720310	5804.4	0.00%	0	0		17	11	291090	121	-0.89%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
811010	5409.6	-19.51%	0	0		17	11	291419	113	36.80%	0	0		17	11
440719	4857	0.00%	0	0		17	11	292122	112	19.23%	0	0		17	11
292511	3514	-0.14%	0	0		17	11	810990	103	-36.75%	0	0		17	11
720221	3415	-8.83%	0	0		17	11	740329	94	-100.00%	0	0		17	11
780191	3360.8	-2.40%	0	0		17	11	291479	92	0.00%	0	0		17	11
290960	3228.8	0.96%	0	0		17	11	290920	91	-9.76%	0	0		17	11
292221	3198	4.27%	0	0		17	11	800120	82	7.19%	0	0		17	11
291412	3014.6	4.01%	0	0		17	11	810296	78	1.15%	0	0		17	11
780199	2626.6	-7.35%	0	0		17	11	811229	72	31.95%	0	0		17	11
401130	2625.6	3.00%	0	0		17	11	710490	69	-64.11%	0	0		17	11
440712	2580	0.00%	0	0		17	11	720299	68	1.49%	0	0		17	11
291422	2499.6	15.09%	0	0		17	11	440721	65	88.14%	0	0		17	11
560819	2494.6	22.44%	0	0		17	11	720390	64	124.48%	0	0		17	11
440726	2378.8	-19.49%	0	0		17	11	740200	59	-4.21%	0	0		17	11
440725	2373	-10.25%	0	0		17	11	810419	58	-55.40%	0	0		17	11
720229	2174.4	5.57%	0	0		17	11	750220	57	18.68%	0	0		17	11
292159	1990.2	27.50%	0	0		17	11	440692	56	0.00%	0	0		17	11
290943	1890.2	7.08%	0	0		17	11	810590	51	-3.49%	0	0		17	11
292239	1825.4	34.61%	0	0		17	11	740321	48	33.78%	0	0		17	11
290930	1701.4	10.48%	0	0		17	11	291211	47	-25.50%	0	0		17	11
790112	1628.6	-100.00%	0	0		17	11	720280	37	-4.66%	0	0		17	11
291241	1588.6	8.13%	0	0		17	11	720521	35	0.00%	0	0		17	11
810520	1539.4	7.71%	0	0		17	11	292144	29	23.77%	0	0		17	11
290899	1505.6	21.91%	0	0		17	11	740312	28	-100.00%	0	0		17	11
291219	1462	-5.83%	0	0		17	11	292231	28	0.00%	0	0		17	11
440727	1397.4	57.21%	0	0		17	11	810790	27	-25.65%	0	0		17	11





Analysis of Tariff Rationalization of 1623 Tariff lines

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
292121	1359.8	6.51%	0	0		17	11	291212	24	-33.10%	0	0		17	11
292130	1051.8	-3.01%	0	0		17	11	291221	23	-16.90%	0	0		17	11
440792	1047.2	-3.37%	0	0		17	11	720293	22	-8.25%	0	0		17	11
810890	1032.8	-12.12%	0	0		17	11	811221	20	11.38%	0	0		17	11
292620	847	6.57%	0	0		17	11	810390	19	-54.80%	0	0		17	11
291469	816.8	-0.22%	0	0		17	11	720292	18	-1.89%	0	0		17	11
292217	815.6	0.00%	0	0		17	11	290911	11	24.57%	0	0		17	11
291030	803.8	10.06%	0	0		17	11	292214	10	0.00%	0	0		17	11
291440	745	-3.94%	0	0		17	11	292243	8	-100.00%	0	0		17	11
250100	689.2	0.03%	0	0		17	11	810299	8	0.00%	0	0		17	11
292212	679.8	8.28%	0	0		17	11	292112	7	0.00%	0	0		17	11
720510	664.2	-5.98%	0	0		17	11	720291	6	24.57%	0	0		17	11
292215	644.2	0.00%	0	0		17	11	292114	6	0.00%	0	0		17	11
292111	603.2	-9.03%	0	0		17	11	740100	5	-100.00%	0	0		17	11
291260	587.8	-1.94%	0	0		17	11	291910	5	-100.00%	0	0		17	11
292211	571.8	-2.40%	0	0		17	11	291300	4	0.00%	0	0		17	11
291229	472	-4.29%	0	0		17	11	810110	4	-100.00%	0	0		17	11
720529	457.6	-5.41%	0	0		17	11	710210	3	-100.00%	0	0		17	11
292610	444.8	9.14%	0	0		17	11	440793	3	0.00%	0	0		17	11
290950	440.8	-5.96%	0	0		17	11	720250	3	-100.00%	0	0		17	11
560890	430.4	-15.85%	0	0		17	11	811299	2	55.18%	0	0		17	11
810490	393.2	-10.67%	0	0		17	11	440728	2	0.00%	0	0		17	11
291242	376	21.72%	0	0		17	11	810600	2	43.10%	0	0		17	11
440290	328	-21.48%	0	0		17	11	292019	2	0.00%	0	0		17	11
291450	289.8	6.91%	0	0		17	11	750110	1	0.00%	0	0		17	11
810411	279.8	9.87%	0	0		17	11	292521	1	0.00%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Imports USD 000	CAGR	CD	ACD	RD	S.T	I.T
292421	267.2	-4.92%	0	0		17	11	720120	0	-100.00%	0	0		17	11
720241	255	-10.11%	0	0		17	11	292630	0	0.00%	0	0		17	11
292519	246	-10.07%	0	0		17	11	291250	0	0.00%	0	0		17	11
291413	244	8.57%	0	0		17	11	440611	0	0.00%	0	0		17	11
440791	239.2	53.12%	0	0		17	11	291020	-	0.00%	0	0		17	11
811100	235.6	6.40%	0	0		17	11	440722	-	0.00%	0	0		17	11
740319	234.6	-3.13%	0	0		17	11	710510	-	0.00%	0	0		17	11

# Analyses of Tariff Rationalization of 1623 Tariff Lines



## Annexure 4: Capital goods

HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
854140	451,253	-6.22%	0	0		17	11	843850	2827.2	-4.72%	0	0		17	11
850239	241,861	0.50%	0	0		17	11	841229	2820	-4.71%	0	0		17	11
850231	217,970	-23.52%	0	0		17	11	848291	2793.8	9.71%	0	0		17	11
841430	189,088	-1.28%	0	0		17	11	820720	2793	-3.96%	0	0		17	11
841182	133,691	-48.92%	0	0		17	11	851420	2784.8	-14.84%	0	0		17	11
841199	106,346	-12.96%	0	0		17	11	845590	2746	-0.94%	0	0		17	11
847989	103,302	1.50%	0	0		17	11	843860	2742	33.47%	0	0		17	11
842959	94,104	-20.10%	0	0		17	11	845221	2715.4	-11.58%	0	0		17	11
847480	88,922	-32.31%	0	0		17	11	680410	2674.6	3.88%	0	0		17	11
840681	87,026	5.99%	0	0		17	11	841620	2652	-6.57%	0	0		17	11
760200	83,717	9.75%	0	0		17	11	842539	2618.6	29.49%	0	0		17	11
844630	71152.4	-10.37%	0	0		17	11	845310	2616.8	-18.58%	0	0		17	11
844520	70979.2	-2.59%	0	0		17	11	846249	2605.4	-4.95%	0	0		17	11
850300	66345	-28.01%	0	0		17	11	854110	2593.6	5.72%	0	0		17	11
840690	61138.2	-40.37%	0	0		17	11	846721	2579.4	-6.96%	0	0		17	11
840682	54481.4	-47.42%	0	0		17	11	851580	2501.4	11.62%	0	0		17	11
847420	45688.4	-35.95%	0	0		17	11	841340	2499.2	-24.02%	0	0		17	11
841899	44323.8	-1.50%	0	0		17	11	847940	2484.8	-4.83%	0	0		17	11
844790	44322.6	-14.31%	0	0		17	11	846789	2443	-17.48%	0	0		17	11
845180	43869.8	-5.31%	0	0		17	11	854511	2431.8	-1.56%	0	0		17	11
847780	43455.6	-7.37%	0	0		17	11	843290	2382	4.61%	0	0		17	11
842139	41484.4	-6.27%	0	0		17	11	853329	2375.6	-16.64%	0	0		17	11
847710	40650	-5.28%	0	0		17	11	850511	2313.4	24.30%	0	0		17	11
840140	39156	-100.00%	0	0		17	11	847950	2250.2	46.11%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
842619	37732.2	-4.48%	0	0		17	11	760429	2223.2	5.21%	0	0		17	11
841391	37658.8	24.06%	0	0		17	11	842790	2217.4	12.72%	0	0		17	11
841990	36960	-18.69%	0	0		17	11	843031	2144.8	18.97%	0	0		17	11
841490	35738.8	1.58%	0	0		17	11	846599	2132.6	7.71%	0	0		17	11
844319	35466	-4.31%	0	0		17	11	843930	2113.2	-8.41%	0	0		17	11
843049	35112.6	-19.26%	0	0		17	11	842010	2047.2	-25.46%	0	0		17	11
843149	35091.4	0.30%	0	0		17	11	851490	2045.4	13.78%	0	0		17	11
850490	34531.8	-1.99%	0	0		17	11	842390	2027	6.47%	0	0		17	11
854370	34394	-7.32%	0	0		17	11	846694	2008.4	-1.24%	0	0		17	11
852990	33921.4	31.77%	0	0		17	11	846693	2003.4	-5.01%	0	0		17	11
842839	32685.4	-24.77%	0	0		17	11	843699	1951.6	-5.59%	0	0		17	11
842833	31656.8	-4.80%	0	0		17	11	760691	1944.6	-7.93%	0	0		17	11
841090	30935.8	-17.87%	0	0		17	11	844190	1943.8	0.97%	0	0		17	11
844540	30297	-0.89%	0	0		17	11	847590	1929	-0.36%	0	0		17	11
845229	29592.4	-3.10%	0	0		17	11	845611	1902.2	0.00%	0	0		17	11
842951	28774.8	-8.44%	0	0		17	11	851440	1894.6	-8.10%	0	0		17	11
845140	28249.2	16.19%	0	0		17	11	845490	1865.6	8.90%	0	0		17	11
840130	27049.4	0.00%	0	0		17	11	841690	1825.2	-12.07%	0	0		17	11
844590	26786.6	-3.47%	0	0		17	11	846799	1787.2	-9.18%	0	0		17	11
843143	26510.4	-22.68%	0	0		17	11	846390	1785.6	-7.00%	0	0		17	11
841013	24604.4	20.38%	0	0		17	11	847759	1767.6	2.33%	0	0		17	11
847990	24319	15.54%	0	0		17	11	853310	1729.4	14.15%	0	0		17	11
848079	23949	-4.42%	0	0		17	11	843141	1723.2	38.93%	0	0		17	11
841181	23790.4	64.28%	0	0		17	11	845130	1682.6	-10.51%	0	0		17	11
741110	23580.6	4.55%	0	0		17	11	844140	1668.6	-13.00%	0	0		17	11
844511	23191.8	5.53%	0	0		17	11	842820	1652.6	7.38%	0	0		17	11
847490	23055	0.92%	0	0		17	11	854290	1650	29.20%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
842890	22829.4	-27.27%	0	0		17	11	842630	1645.6	11.37%	0	0		17	11
842810	22675	-4.13%	0	0		17	11	846090	1552.6	-5.38%	0	0		17	11
847982	21426.2	-1.44%	0	0		17	11	851519	1546	0.96%	0	0		17	11
760719	20806.4	6.56%	0	0		17	11	843069	1536.4	-14.25%	0	0		17	11
843810	20170.2	0.78%	0	0		17	11	845230	1519.4	-5.49%	0	0		17	11
854442	19594.4	-5.77%	0	0		17	11	842832	1514	11.38%	0	0		17	11
844513	19213.6	4.86%	0	0		17	11	851521	1512.4	-28.30%	0	0		17	11
843629	18909.4	-7.15%	0	0		17	11	850590	1505.6	-25.60%	0	0		17	11
842940	18489.2	-46.29%	0	0		17	11	846420	1495	7.21%	0	0		17	11
845521	17950	20.60%	0	0		17	11	851529	1490.4	-25.88%	0	0		17	11
852380	17160.4	-55.73%	0	0		17	11	843420	1476.2	-1.06%	0	0		17	11
848330	16795.6	-9.23%	0	0		17	11	681510	1426.4	-8.87%	0	0		17	11
842649	16452.6	-3.38%	0	0		17	11	843340	1422.2	-1.17%	0	0		17	11
844839	16271.4	-5.22%	0	0		17	11	843510	1421	23.73%	0	0		17	11
842611	16249.6	12.83%	0	0		17	11	852862	1416.2	0.00%	0	0		17	11
844819	15504.4	-1.06%	0	0		17	11	845110	1397.6	-40.37%	0	0		17	11
710812	15480.8	-18.15%	0	0		17	11	740620	1395.8	-4.08%	0	0		17	11
844313	15392.8	-12.66%	0	0		17	11	848050	1382.4	7.60%	0	0		17	11
847720	15241	-7.83%	0	0		17	11	843360	1364	12.66%	0	0		17	11
820719	14605.6	-12.46%	0	0		17	11	820231	1350.2	20.81%	0	0		17	11
853990	14293	42.35%	0	0		17	11	854129	1332.2	19.30%	0	0		17	11
680422	13644.4	2.21%	0	0		17	11	842430	1321.8	4.93%	0	0		17	11
842489	13602	0.51%	0	0		17	11	844230	1316.6	-20.06%	0	0		17	11
850110	13534	4.87%	0	0		17	11	853340	1301.2	1.58%	0	0		17	11
842720	13486.2	-18.35%	0	0		17	11	843390	1296.8	9.15%	0	0		17	11
844519	13246	-5.71%	0	0		17	11	844311	1277.8	8.95%	0	0		17	11
853080	13047.2	2.77%	0	0		17	11	846330	1263.8	21.86%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
851690	12851.6	11.65%	0	0		17	11	844250	1254.4	0.83%	0	0		17	11
848071	12682.6	-7.22%	0	0		17	11	844820	1237.6	-9.70%	0	0		17	11
851310	11956.2	-7.93%	0	0		17	11	845510	1221.4	-2.54%	0	0		17	11
850120	11882.2	16.78%	0	0		17	11	842531	1215.8	-11.10%	0	0		17	11
847790	11597.2	3.30%	0	0		17	11	842330	1166	-2.98%	0	0		17	11
844833	11521.2	1.29%	0	0		17	11	847751	1165.2	-28.10%	0	0		17	11
847910	11258	-1.98%	0	0		17	11	843110	1161.6	2.94%	0	0		17	11
842420	11256.6	6.65%	0	0		17	11	841239	1103.8	4.17%	0	0		17	11
847431	11097.8	-29.70%	0	0		17	11	848041	1099	-15.56%	0	0		17	11
846490	11050.6	110.23%	0	0		17	11	843120	1095.4	-10.49%	0	0		17	11
842920	10945.8	-32.43%	0	0		17	11	841221	1058.4	5.51%	0	0		17	11
847529	10752.6	3.87%	0	0		17	11	842310	1013.2	-5.46%	0	0		17	11
843880	10606.2	4.71%	0	0		17	11	845390	1011.2	-5.05%	0	0		17	11
843139	10232	-12.15%	0	0		17	11	843490	981.2	-13.76%	0	0		17	11
847920	10223.6	40.22%	0	0		17	11	845690	942.8	24.28%	0	0		17	11
847730	10145	-11.68%	0	0		17	11	680421	926.4	-6.22%	0	0		17	11
820730	9932.4	-20.09%	0	0		17	11	741021	906	-6.01%	0	0		17	11
843780	9748	7.32%	0	0		17	11	846140	900.2	-8.12%	0	0		17	11
853010	9474.2	-63.85%	0	0		17	11	841932	877	-7.59%	0	0		17	11
850153	9354.6	-10.21%	0	0		17	11	842381	876.2	-2.05%	0	0		17	11
844629	9136.6	7.51%	0	0		17	11	820840	851.6	20.30%	0	0		17	11
841939	9075	-2.41%	0	0		17	11	846190	836.6	2.17%	0	0		17	11
845522	8990.4	12.79%	0	0		17	11	848020	825	-13.67%	0	0		17	11
848410	8933.4	-3.55%	0	0		17	11	841931	817	30.29%	0	0		17	11
844711	8791	5.36%	0	0		17	11	820239	815.6	-11.94%	0	0		17	11
741011	8732.2	-4.00%	0	0		17	11	846719	813.6	2.46%	0	0		17	11
842911	8557.8	-9.07%	0	0		17	11	846880	793.6	8.18%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
847971	8537.6	-100.00%	0	0		17	11	843410	793	18.85%	0	0		17	11
843710	8148.6	-1.93%	0	0		17	11	846692	768	13.37%	0	0		17	11
820790	8138	-3.53%	0	0		17	11	841231	767.2	7.51%	0	0		17	11
844110	7759.4	-9.49%	0	0		17	11	843910	765.4	21.55%	0	0		17	11
842919	7714.2	-11.79%	0	0		17	11	842099	754.8	-6.95%	0	0		17	11
845430	7606.6	-7.43%	0	0		17	11	843061	743.6	-18.67%	0	0		17	11
847810	7552.8	38.17%	0	0		17	11	853090	737.8	55.96%	0	0		17	11
854239	7436	4.94%	0	0		17	11	851511	734.8	-4.45%	0	0		17	11
843359	7002.4	16.52%	0	0		17	11	844010	731.6	5.06%	0	0		17	11
844316	6969.4	1.30%	0	0		17	11	846310	725	-35.28%	0	0		17	11
848420	6945.2	-8.42%	0	0		17	11	846593	708	-31.78%	0	0		17	11
851430	6790.2	-26.99%	0	0		17	11	820810	701.8	16.08%	0	0		17	11
841630	6747	13.13%	0	0		17	11	854160	700.6	17.14%	0	0		17	11
843820	6711.8	-4.09%	0	0		17	11	820420	687.4	9.27%	0	0		17	11
844512	6523.2	-2.48%	0	0		17	11	851531	685.2	-23.61%	0	0		17	11
845129	6463.8	7.57%	0	0		17	11	843010	653.2	-40.66%	0	0		17	11
847439	6424.8	-55.14%	0	0		17	11	845959	637.4	10.34%	0	0		17	11
842620	6370.4	-13.79%	0	0		17	11	750620	628	91.42%	0	0		17	11
844530	6265.4	11.39%	0	0		17	11	851989	613.8	0.03%	0	0		17	11
842952	6257.2	-47.64%	0	0		17	11	844832	608.4	-1.90%	0	0		17	11
740710	6257	-14.29%	0	0		17	11	854232	600.8	-40.80%	0	0		17	11
844712	6246.8	15.00%	0	0		17	11	680430	599	-2.91%	0	0		17	11
845530	6171.6	8.34%	0	0		17	11	820770	553.4	-14.08%	0	0		17	11
847432	6128.6	-20.95%	0	0		17	11	842541	552.4	7.96%	0	0		17	11
846729	6109.4	-6.50%	0	0		17	11	846591	548	3.46%	0	0		17	11
841960	6019	-1.51%	0	0		17	11	843691	544	-28.13%	0	0		17	11
843610	5881.2	-18.22%	0	0		17	11	846691	543.8	20.78%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
848060	5523.6	-28.43%	0	0		17	11	850690	543.4	-19.27%	0	0		17	11
847981	5522	-35.74%	0	0		17	11	843991	541.6	10.24%	0	0		17	11
842382	5490.2	8.09%	0	0		17	11	850520	537.4	-0.98%	0	0		17	11
820750	5450	-13.90%	0	0		17	11	750610	530	5.19%	0	0		17	11
843131	5301.4	-2.60%	0	0		17	11	846781	517.6	2.16%	0	0		17	11
843041	5282	-27.83%	0	0		17	11	854233	516	1.47%	0	0		17	11
851539	5254.6	-18.75%	0	0		17	11	760320	513.2	8.33%	0	0		17	11
841319	5241.2	-12.53%	0	0		17	11	841112	499.2	#####	0	0		17	11
842710	5193.2	6.34%	0	0		17	11	846610	493.6	-29.59%	0	0		17	11
841410	5111.6	1.22%	0	0		17	11	680423	488.4	0.00%	0	0		17	11
845710	5078.8	4.72%	0	0		17	11	845630	487	-15.68%	0	0		17	11
850132	5051.2	60.99%	0	0		17	11	820780	483	-23.80%	0	0		17	11
853110	5047.4	-16.14%	0	0		17	11	848010	481.4	-3.89%	0	0		17	11
842389	5025.8	-13.98%	0	0		17	11	854190	479.8	26.83%	0	0		17	11
842490	4989.4	-6.20%	0	0		17	11	846890	479.6	-6.51%	0	0		17	11
846291	4978.2	-0.20%	0	0		17	11	820713	473.6	7.55%	0	0		17	11
853190	4970.2	3.54%	0	0		17	11	846592	470.2	-24.82%	0	0		17	11
820890	4936.6	-1.82%	0	0		17	11	851410	466.2	-2.87%	0	0		17	11
841440	4932.8	-24.26%	0	0		17	11	845380	459	-5.30%	0	0		17	11
843890	4906.2	6.12%	0	0		17	11	853339	447.8	-5.45%	0	0		17	11
741012	4895	-8.20%	0	0		17	11	710820	442.6	0.00%	0	0		17	11
844317	4824.4	-14.77%	0	0		17	11	854150	440.4	-0.68%	0	0		17	11
843999	4684.4	-1.31%	0	0		17	11	848030	439.6	44.78%	0	0		17	11
841920	4672.6	-7.03%	0	0		17	11	844314	437.4	18.07%	0	0		17	11
841012	4655.6	0.00%	0	0		17	11	843319	435.4	7.70%	0	0		17	11
848299	4580.4	21.17%	0	0		17	11	843239	422	0.00%	0	0		17	11
848049	4513.4	-2.25%	0	0		17	11	851030	419.6	-4.68%	0	0		17	11





Analysis of Tariff Rationalization of 1623 Tariff lines

HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
845150	4465.4	4.67%	0	0		17	11	790310	416.8	-3.84%	0	0		17	11
846299	4423.8	-5.22%	0	0		17	11	846410	414.4	-8.55%	0	0		17	11
843790	4325.8	-0.81%	0	0		17	11	854590	405.2	-2.30%	0	0		17	11
850164	4285.8	-15.88%	0	0		17	11	844312	388.2	-11.39%	0	0		17	11
845190	4199	-7.21%	0	0		17	11	846791	370.8	12.97%	0	0		17	11
820411	4175.2	-2.03%	0	0		17	11	840590	369.8	-25.30%	0	0		17	11
760692	4151.4	8.08%	0	0		17	11	846722	339.4	4.52%	0	0		17	11
850131	4097	11.06%	0	0		17	11	842320	338	-21.79%	0	0		17	11
820412	3940.2	3.73%	0	0		17	11	846594	328.4	-30.20%	0	0		17	11
842641	3753.4	-24.65%	0	0		17	11	842860	325.4	18.03%	0	0		17	11
842612	3744.4	-37.86%	0	0		17	11	820740	322.6	4.07%	0	0		17	11
841122	3724.4	-100.00%	0	0		17	11	843680	310	-36.68%	0	0		17	11
840510	3684.4	-23.29%	0	0		17	11	843039	309.2	-17.31%	0	0		17	11
842511	3676.8	-5.67%	0	0		17	11	846320	307.6	-5.19%	0	0		17	11
854071	3652.4	5.76%	0	0		17	11	845612	305.6	0.00%	0	0		17	11
854231	3650.4	-8.97%	0	0		17	11	820510	304.6	-6.67%	0	0		17	11
842482	3610	0.00%	0	0		17	11	820760	301.8	-18.66%	0	0		17	11
843280	3599	19.40%	0	0		17	11	750400	301	16.64%	0	0		17	11
844400	3598.6	13.27%	0	0		17	11	741129	300.2	-13.29%	0	0		17	11
844859	3549.4	-12.29%	0	0		17	11	846130	297.4	28.76%	0	0		17	11
845320	3547.8	5.49%	0	0		17	11	844240	285.2	-4.65%	0	0		17	11
854390	3525	5.30%	0	0		17	11	846792	275.8	-6.16%	0	0		17	11
844851	3479.8	-8.32%	0	0		17	11	847510	268	74.00%	0	0		17	11
844900	3441.2	41.46%	0	0		17	11	846820	257.8	-7.52%	0	0		17	11
843621	3432	-1.64%	0	0		17	11	846040	252.8	-5.21%	0	0		17	11
854330	3413.8	-32.01%	0	0		17	11	846620	249	-0.08%	0	0		17	11
843920	3411	-9.27%	0	0		17	11	841280	241.6	0.49%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS Code	Average Import Value USD 000	CAGR	CD	ACD	RD	S.T	I.T
847930	3403.2	-9.69%	0	0		17	11	750522	241.6	-10.71%	0	0		17	11
845290	3402	3.05%	0	0		17	11	845420	235.8	11.07%	0	0		17	11
851590	3328.4	-16.09%	0	0		17	11	843020	233.2	-10.57%	0	0		17	11
844811	3309.4	4.03%	0	0		17	11	843352	231.4	-26.12%	0	0		17	11
841290	3234.6	18.24%	0	0		17	11	845620	228.4	41.02%	0	0		17	11
843050	3227.4	-32.18%	0	0		17	11	740610	221.6	-3.12%	0	0		17	11
850519	3217.2	12.17%	0	0		17	11	851090	220	-0.76%	0	0		17	11
842519	3166.6	-23.73%	0	0		17	11	843221	219	-21.86%	0	0		17	11
847740	3149.2	-4.81%	0	0		17	11	841610	208.8	-38.14%	0	0		17	11
844720	3099.2	-11.91%	0	0		17	11	820820	205.6	-3.05%	0	0		17	11
847890	2965.4	-13.35%	0	0		17	11	853321	200.6	43.35%	0	0		17	11
846150	2956.8	-4.13%	0	0		17	11	846596	192.8	2.61%	0	0		17	11
843850	2827.2	-4.72%	0	0		17	11	740822	181	39.90%	0	0		17	11

Analyses of Tariff Rationalization of 1623 Tariff Lines



Annexure 5: Consumer goods

HS CODE	Average Import value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Import value USD 000	CAGR	CD	ACD	RD	S.T	I.T
271012	3,015,987	3.15%	0	0		17	11	293959	3113.8	10.56%	0	0		17	11
271019	2,906,678	-14.59%	0	0		17	11	293712	2818.8	9.91%	0	0		17	11
300220	228,602	1.25%	0	0		17	11	293623	2601.8	-3.15%	0	0		17	11
401699	20,789	4.19%	0	0		17	11	590220	2268	-10.78%	0	0		17	11
590210	16,017	1.06%	0	0		17	11	711299	2228.2	20.00%	0	0		17	11
401693	15,696	-2.93%	0	0		17	11	293919	2102	4.44%	0	0		17	11
293590	14,438	0.00%	0	0		17	11	293750	1829.2	7.91%	0	0		17	11
300610	14,007	-5.23%	0	0		17	11	300660	1611.2	-33.22%	0	0		17	11
293890	13,050	-20.78%	0	0		17	11	293790	1455.2	2.32%	0	0		17	11
293723	12,078	14.92%	0	0		17	11	293719	1279.6	5.85%	0	0		17	11
293629	11,686	-1.64%	0	0		17	11	820900	1131.8	-10.48%	0	0		17	11
340490	11055.8	-6.58%	0	0		17	11	701710	832.4	-4.44%	0	0		17	11
852290	8915.2	20.33%	0	0		17	11	293911	708	-16.78%	0	0		17	11
401410	8778.6	-1.13%	0	0		17	11	401490	678.2	15.39%	0	0		17	11
293627	7798.6	6.07%	0	0		17	11	441300	563	8.78%	0	0		17	11
293626	6832.6	7.09%	0	0		17	11	852329	170.4	-21.37%	0	0		17	11
300290	6295.6	-3.55%	0	0		17	11	741991	157.8	61.36%	0	0		17	11
293628	6210.4	-0.73%	0	0		17	11	701951	146.8	45.30%	0	0		17	11
852321	5841.8	24.58%	0	0		17	11	440139	144.2	-10.86%	0	0		17	11
293930	5204	-2.43%	0	0		17	11	440131	113	12.47%	0	0		17	11
293621	4593	10.70%	0	0		17	11	293920	74	-5.69%	0	0		17	11
293721	4551	-3.62%	0	0		17	11	440210	73	-12.28%	0	0		17	11
482390	4258.2	9.53%	0	0		17	11	800300	31.6	-27.52%	0	0		17	11



Analysis of Tariff Rationalization of 1623 Tariff lines

HS CODE	Average Import value USD 000	CAGR	CD	ACD	RD	S.T	I.T	HS CODE	Average Import value USD 000	CAGR	CD	ACD	RD	S.T	I.T
293690	4222.8	2.57%	0	0		17	11	293962	22.4	-18.32%	0	0		17	11
293624	4219.2	7.80%	0	0		17	11	300190	22	148.62%	0	0		17	11
293625	3725.8	-2.47%	0	0		17	11	293810	17.4	4.24%	0	0		17	11
293729	3510.6	14.81%	0	0		17	11	300120	16.4	0.00%	0	0		17	11
293622	3464	-9.25%	0	0		17	11	293971	10.2	0.00%	0	0		17	11
340219	3450.2	5.41%	0	0		17	11	810295	5	-100.00%	0	0		17	11
293959	3113.8	10.56%	0	0		17	11	810430	4.2	0.00%	0	0		17	11
293712	2818.8	9.91%	0	0		17	11	810194	1.8	-100.00%	0	0		17	11