

***Product Space: Exploring
potential for higher exports in
Pakistan***

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Product Space: Exploring Potential for Higher Exports in Pakistan

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Abstract: A persistent problem faced by Pakistan has been the balance of payments deficit. The merchandise exports have been considerably lower than the merchandise imports. Pakistan has not been able to move up the quality ladder which is why the exports have mostly remained in low value added products exacerbating the balance of payment deficit problem. Comprehending the need for higher export generation, this paper employs the product space network and connectedness paradigm, provided by the Atlas of Economic Complexity (AEC), to explore and identify the potential high value added primary connections that can expand and diversify the export basket of Pakistan in the future. Our analysis shows that products such as ‘coke etc of coal (HS 2704), railway or tramway freight cars (HS 8606), Malt (HS 1107), chemical woodpulp (HS 4703), unwrought nickel (HS 7502)’ can be added in the export basket whereas exports of the products such as ‘original sculptures (HS 9703), fishing rods, decoy birds (HS 9507), footwear (HS 6404), stranded wire, cables (HS 7413)’ can be expanded. We also estimated the potential gain in the export revenues if Pakistan starts exporting a subset of the products identified. Our estimations show that increasing exports of the primary connections not yet exported by Pakistan can improve the merchandise export revenue by 5.54%. Furthermore, if Pakistan starts expanding exports of high value added products from the current export basket, the merchandise export revenue can increase by almost 27.7 % to USD 37 billion. With such potential gains in consideration, policy makers can focus on the products and sectors identified in this paper for an apt export-oriented industrial strategy and trade related policy. Trade and investment officers in foreign missions or the negotiators of trade agreements should be provided with these product lists and priority sectors so that they can link potential foreign buyers with Pakistani producers. These products can also be focused upon when decisions regarding the tariff reductions in the relevant inputs are being discussed.

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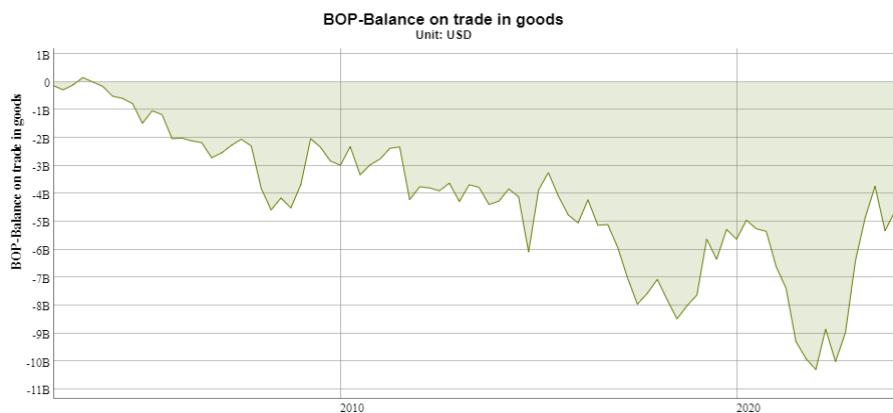
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Product Space: Exploring Potential for Higher Exports in Pakistan

1. Introduction

Pakistan is ranked as the 41st largest economy in the world with a GDP of USD 374.6 Billion and a GDP per capita of only USD 1471 in 2022 (International Monetary Fund, 2023). In contrast to that, other developing countries, such as India, Indonesia, Malaysia, and Bangladesh, who have been able to grow much more rapidly over time, are ranked as much higher. A relevant question that arises is that why has Pakistan’s GDP not increased consistently at a higher pace over time? A particular barrier to economic growth has been the persistent balance of payment (BOP) deficit (figure 1). The BOP deficit on trade in goods accelerated from USD 126 Million in 2002 to USD 10.1 Billion in 2022. Not only the merchandise exports of Pakistan have remained considerably lower than its merchandise imports, the exports have mainly been low value added products such as unprocessed textiles or basic agricultural products. There is a missing element of export-led trade related industrial policy which is why it is imperative that Pakistan expands and diversifies its merchandise exports for overcoming an unsustainable BOP deficit problem.

Figure 1: BOP Deficit on Merchandise Trade in Pakistan. 2002 - 2023



Source: State Bank of Pakistan, Easy Data Portal - 2024

There is sufficient economic literature stressing on the positive impact of higher export growth on the GDP (Krueger 1985, Lal 1992, Awokuse 2005, Shirazi & Manap 2005, Koh & Mah 2013, Dreger & Herzer 2012) and positive impact of export growth on productivity (Wagner 2005, Chaudhry & Haseeb 2014, Fatemah & Qayyum 2018) in developing countries in general as well as specifically in Pakistan. Literature also emphasizes lack of export expansion and lack of participation of Pakistani firms in the global value chains as crucial issues (Siddique 2018). However, a literature gap exists in terms of highlighting and identifying the products in which Pakistan can diversify. We would prefer to recommend those products that are relatively higher value added but not so complex that Pakistan does not have the productive capability to produce them. We therefore employ the emerging approach of product space, economic complexity and connectedness to enlist the products that can become part of the export basket in the near future.

The rest of the paper is organized as follows. The next section highlights the economic complexity measures and their applications in the economic literature. Section 3 narrates the explanation of variables and data sources. Section 4 shows the export structure and composition of Pakistan. Section 5 sheds light on the analysis and identifies the potential products that can become part of Pakistan's export basket. Section 6 concludes the study and presents relevant policy recommendations.

2. Applications of the Economic Complexity and Relatedness

Hidalgo and Hausmann (2009) introduced the economic complexity and product space methodology to measure the productive capacity of a country. The metrics are reflections of how sophisticated a country's export basket is. A key use of analyzing product space and economic complexity methods is that it enables formulation of an appropriate industrial policy (Mazzucato, 2011 and Rodrik, 2019). Hidalgo (2021) also stated that economic complexity methods have been incorporated by policymakers of various countries including Europe, China, Mexico, and Canada. Ferreira-Coimbra and Vaillant (2009) employed the product space framework to analyze the patterns of specialization in Uruguay. Erkan and Yildirimci (2015) concluded that Turkey had a low proportion of high-tech exports, which indicates low economic complexity index and diminished export competitiveness for Turkey. Lyubimov et al. (2017) assessed the economic complexity and export diversification potential of Russian regions and presented relevant policy recommendations for

further export development. Coskun et al. (2018) analyzed the link between current and future output structures and a country's potential to achieve high per capita income using the economic complexity methods. They concluded that product space and economic complexity tools reveal that Turkey's production structure is specialized in less sophisticated products. Singh et al. (2018) explored the product space of India and identified potential products for India's export expansion and diversification. Zaldívar et al. (2019) assessed the potential for diversification and increased production sophistication in the states slated to host the initial three Special Economic Zones (SEZs) in Mexico by employing the economic complexity methodology. González et al. (2019) identified strategic sectors and products that, if prioritized, could drive development by enhancing productive capabilities of Paraguay. They utilize concepts from economic complexity and the product space methodology to pinpoint potential products.

Further exploration of this particular strand of literature highlights the role of economic complexity in shaping up local production, global connectivity, competitiveness and sustainable development of a subnational region. Wang and Turkina (2019) illustrated that the product space network of a subnational region may differ from that of the country-level network and scrutinized the structural characteristics of Quebec's product space network to compare the complexity indices with those of Canada. Bishop and Mateos-Garcia (2019) analyzed the relationship between economic complexity and regional economic development in the UK. They emphasize the value of novel, unstructured data sources for understanding the mechanism through which economic complexity can impact the economic development of a region. Termeer (2019) employed the tools offered in economic complexity and product space methodology to highlight the path Bulgaria can adopt for higher economic development. Mealy and Coyle (2022) used techniques from the economic complexity field to explain the significant diversity in industrial strengths and future growth prospects in the UK. They also analyzed the 'related' industries into which low-complexity, low-wage local authorities could potentially diversify thereby shedding light on industrial policies and strategies that the government can adopt in the future.

Economic complexity methods have been used to analyze structures of the economy with respect to productive capacity, growth and technology diffusion. Economic Complexity Index (ECI) is considered to be a predictor of long term economic growth in numerous studies using both

international and subnational data (Cristelli et al., 2015, Chavez et al., 2017, and Domini, 2019). Hausmann et al. (2014) further stated that only few economies are able to produce and export more complex products because most of the emerging, developing and least developed economies have lower production capabilities. Britto et al. (2016) employed the product space methodology to analyze the connection between economic complexity and economic development, exemplified through case studies of Brazil and the Republic of Korea. Balland and Rigby (2017) employed bimodel network models to analyze the relationship between spatial knowledge diffusion and complexity. They discovered that knowledge complexity varies across the United States, and cities with the most intricate technological structures do not necessarily exhibit the highest patenting rates. Dieppe (2021) incorporated ECI as a driver of productivity growth. This had also been put forward by Goodfriend and McDermott (1998), Jarreau and Poncet (2012), and Diao et al. (2019). If a country is producing more complex products, it shows higher production capability of that country and that is generally linked with more diversified exports, higher productivity, greater scope for growth in the future and more technology diffusion. Fritz and Manduca (2021) also analyzed the economic complexity measures for US metropolitan areas spanning the years 2007 to 2015 and concluded that, on average, regions with greater complexity tend to have higher per capita income, but they were also more susceptible to the impact of the financial crisis.

Economic complexity has also been linked to other economic factors such as changes in income inequality and gender wage gap. Boschma et al. (2013) analyzed the diversification in the regional industries of Spain using the proximity approach based on product relatedness. They concluded that proximity to the regional industrial structure is more important in explaining the emergence of new industries in regions as compared to proximity to the national industrial structure. Chavez et al. (2017) used the Method of Reflections proposed by Hausmann and Hidalgo (2009) to analyze the relationship between economic complexity and regional growth performance in Mexico. They concluded that there is significant disparity in the regional complexity and growth performance which has important implications for the industrial policy. Reynolds et al. (2018) used economic complexity analysis to examine the sub-national economy of Australia, focusing on nine regions and 506 exported goods and services. The findings indicated that even slight disparities in

industrial capability and knowledge play a crucial role in determining relative complexity. Using the cross-country sample, Lee and Vu (2019) stated that economies with more complex products exhibited lesser income inequality. This relationship became more evident in countries with high human capital. However, within a country, higher economic complexity increased income inequality. Chu and Hoang (2020) also stated a positive relationship between economic complexity and income inequality but also provided evidence that if economic factors such as trade openness, education and government spending reach certain levels, economic complexity helps in reducing income inequality. Therefore, it can be stated that higher economic complexity is only beneficial for an economy if the social and economic conditions are favourable. At the subnational level, the literature indicates that higher economic complexity widens the income gap (Sbardella et al., 2017 and Bandeira Morais et al., 2018). Barza et al. (2020) further showed that in Brazil, higher complexity industries have lower gender wage gaps. The economic complexity also has a positive impact on human development (Ferraz, 2018) and health indicators (Vu, 2020).

In the recent literature, economic complexity has also been found to be associated with environmental sustainability, including greenhouse gas emissions and creation of green jobs. Using the hypothesis of the environmental Kuznets curve, Can and Gozgor (2017) provided evidence that in France, higher economic complexity is related to significantly lower CO₂ emissions. Likewise, an inverse U-shaped relationship between economic complexity and greenhouse gas emissions has been exhibited by Chu (2020), Swart and Brinkmann (2020), Doğan et al. (2019), and Neagu and Teodoru (2019). Romero and Gramkow (2021) further provided evidence that the relationship between lagged ECI and emissions intensity is significantly negative. Swart and Brinkmann (2020) also adopted the economic complexity metrics to analyze how sustainable development can be done in Brazil. Similarly, Dordmon et al. (2020) investigated whether the economic complexity of a state is a factor in determining the environmental friendliness of its occupational landscape compared to other states in Brazil.

The methods related to economic complexity have become popular tools in innovation studies (Hidalgo, 2021). With respect to that, a particular branch of economic literature focuses on how products are related to each other in the overall product space and how this connectedness leads to patterns of specialization over time. Relatedness indicates a probability

that a certain product/sector/industry, which is correlated with the products produced and/or exported currently, will enter the product space of an economy in the future. A firm will only absorb new knowledge if it is highly correlated to prior levels of related knowledge (Hidalgo, 2021). Economic literature makes use of the relatedness metrics to predict the patterns of specialization an economy is able to achieve. Boschma et al. (2015) employed the economic complexity methods to examine the impact of technological relatedness on technological change across 366 US cities from 1981 to 2010. They stated that a 10% increase in the level of relatedness with existing technologies in a city is associated with a 30% rise in the likelihood of a new technology entering that city. Jara-Figueroa et al. (2018) explored the impact of industry-specific, occupation-specific and location-specific relatedness on the survival of new entrants in the market. If the new firms had industry-specific and occupation-specific relatedness, their survival likelihood increased significantly. Within the context of international trade, Bahar et al. (2019) employed various measures of proximity among products and explained that it is more feasible for economies to diversify in the upstream sectors such as from final goods production to intermediate inputs production rather than from producing raw materials to intermediate inputs. In a similar realm, Jun et al. (2019) used bilateral trade data for various countries to analyze the impact of relatedness among products, exporters (origins) and importers (destinations) and concluded that product relatedness is a significant predictor of future export pattern, especially for high complexity products. Innocenti and Lazzeretti (2019 and 2019) further analyzed the industrial growth and the employment growth in the Italian industries using the industry relatedness approach. Cicerone et al. (2020) modified the product-space methodology to investigate the Italian provinces, exploring the correlation between a province's economic performance and the interconnectedness and centrality of its exports network.

Research studies have also interacted relatedness with other factors to explain how specialization occurs over time. For example, Boschma and Capone (2015) explained that the influence of relatedness is more pronounced in steering diversification in coordinated market economies, thus rendering liberal market economies comparatively more adept at pioneering development. Cortinovis et al. (2017) interacted density with several forms of social capital and showed that mitigating social capital enhanced the effects of relatedness. Zhu et al. (2017) employed China's data and interacted relatedness with various factors. They observe a

significant and negative interaction among FDI, R&D, and human capital, indicating that regions with elevated levels of FDI, R&D, and human capital experience fewer constraints from relatedness. As a result, these locations tend to undertake slightly more innovative and path-breaking development. Pinheiro et al. (2018) further stated that regions with higher levels of education experience more unrelated entrants. Huang and Zhu (2020) interacted pollution with relatedness and found that in China, regions with higher pollution witnessed entries of more unrelated activities.

Hidalgo and Hausmann (2009) introduced ECI, product space and connectedness concepts to reflect the productive capacity of a country. They are used to explore and formulate optimal industrial diversification paths and evaluate industrial policies (Hidalgo 2021). For instance, how does an economy improve its ECI? Relatedness indicates the ease of expanding an industry or entering into a new industry. It would be relatively easy for the economy to commence production and export of products that are closer to its current knowledge-base. Diversification builds upon current absorptive capacity (Hausmann et al., 2014, Balland et al., 2018, Marrocu, 2020). Once an industrial strategy is formulated and new products and industries are identified based on ECI and relatedness measures, the ECI can be increased. This is a dynamic process that happens over time and is mediated by many economic and institutional factors. Having said that, policy makers need to take caution while identifying the new products. Alshamsi et al. (2018) and Waniek et al. (2020) elaborated that choosing highly related products / technologies / industries is a suboptimal way to maximize diversification. The policymakers could target relatively unrelated but connected activities capitalizing on an opportunity that presents itself during a particular stage of development. Economic diversification policies should thus be visualized as a portfolio allocation problem rather than a simple exercise to pick products that have high relatedness.

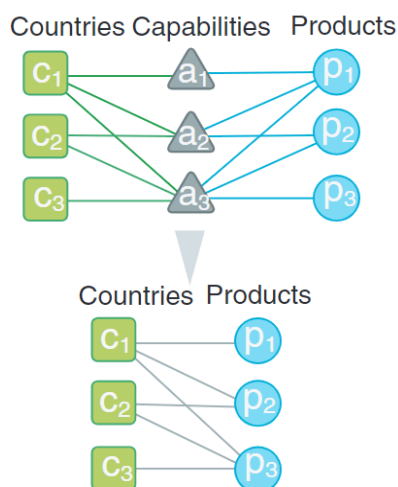
Product space, economic complexity and connectedness have numerous implications for policies related to formulation of industrial diversification path, environmental sustainability, income and gender inequality, as well as promotion of economic growth. It influences institutional, demographical, technological and financial factors. Despite the inconspicuous importance in the economic literature, the exploration of these methods with respect to Pakistan has remained limited. Our paper fills the literature gap by analyzing the product space network, economic

complexity and product connectedness that can specifically lead to export expansion and diversification in Pakistan. It intends to initiate a discussion on the potential strategy that can be adopted by the policy makers in formulating a favorable and a realistic trade related industrial policy for Pakistan. We not only identify potential products that can become part of Pakistan's product space in the future, but also estimate the potential gain in the export revenues which would help in mitigating the BOP problem.

3. Explanation of variables and data sources

Economic complexity captures a country's geography of economic activities and reflects the 'diversity' and 'sophistication' of the industrial presence (Hidalgo and Hausmann, 2009). The concentration of economic activities also infers the extent of an economy's capabilities. Intuitively stating, if country 1 has ability 1, 2 and 3, then it can export products 1, 2 and 3; and if country 2 has ability 2 and 3 only, it is only capable of exporting products 2 and 3; likewise, if country 3 has only ability 3, it can export only product 3. This tripartite network is transformed into a bipartite network as shown in figure 2.

Figure 2: The relationship between productive capabilities and production in an economy.



Source: Hidalgo and Hausmann (2009)

The methodology employs data on the products that a country exports and organizes it into a matrix of a bipartite network whereby the rows represent country (c) and columns represent the products (p) they export. The binary matrix assigns a value of 1 to the exported product if country (c) has a revealed comparative advantage (RCA) in that product and a value of 0 otherwise. As the bipartite network is symmetric, Hidalgo and Hausmann (2009) refer to it as the method of reflections (MOR). If the matrix is stated as M_{cp} , then it can be defined as follows. The variable 'X' represents exports.

$$M_{cp} = 1 \text{ if } R_{cp} \geq 1$$

$$\text{Whereby } R_{cp} = \left(\frac{X_{cp}X}{X_c X_p} \right)$$

$$X_c = \sum_p X_{cp}, X_p = \sum_c X_{cp} \text{ and } X = \sum_{cp} X_{cp}$$

This matrix eventually generates two sequences namely ECI, which reflects complexity of the economy, and Product Complexity Index (PCI), which reflects the complexity or sophistication of the exported products. The initial conditions for generating these sequences are the 'diversity' of each country, stated as M_c (explained below), and observed via the number of products exported by a country, and the 'ubiquity' of each product, stated as M_p , and observed as the number of countries exporting that product (Tiennot, 2022).

$$M_c = \sum_p M_{cp}$$

$$M_p = \sum_c M_{cp}$$

For countries (c) to N, $N \geq 1$, these can be written as follows:

$$M_{c,N} = \frac{1}{M_{c,0}} \sum_p M_{cp} k_{p,N-1}$$

$$M_{p,N} = \frac{1}{M_{p,0}} \sum_c M_{cp} k_{c,N-1}$$

ECI is the solution to the following system of equations; K_c is the complexity of the country whereas K_p is the complexity of the exported product.

$$K_C = \frac{1}{M_C} \Sigma_P M_{CP} K_P$$

$$K_P = \frac{1}{M_P} \Sigma_C M_{CP} K_C$$

This is equivalent to diagonalizing the following matrix:

$$\underline{M}_{CC'} = \Sigma_P \frac{M_{CP} M_{C'P}}{M_C M_P}$$

Economic complexity is a relative measure and thus, the results for both indices are normalized as follows. Here, \underline{K}_C is the average of K_C and $\sigma(K_C)$ is the standard deviation of K_C .

$$ECI = \frac{K_C - \underline{K}_C}{\sigma(K_C)}$$

$$PCI = \frac{K_P - \underline{K}_P}{\sigma(K_P)}$$

According to the observatory of economic complexity (OEC), metrics of the complexity of economies, or of the products present in them, are eigenvectors of matrices connecting related countries ($M_{CC'}$) or related products ($M_{PP'}$). $M_{CC'}$ is therefore a representation of how similar the countries are in terms of their shared RCA. Greater values of $M_{C,N}$ indicate countries with a higher number of RCA shared with all other countries in the sample. Conversely, lower values of $M_{C,N}$ suggest countries with fewer connections to other nations through common RCA. Similarly, the ratings given by $M_{P,N}$ should be interpreted as a product ranking based on the number of exporters shared with other products. Lower values of $M_{P,N}$ indicate the most interconnected products in the sample. It is important to mention that if ECI has decreased in a year, it does not necessarily indicate that a country's productive structure has diminished. In fact, it shows that there has been a change in the similarity of shared RCA between country (c) and other countries in the sample (Tiennor, 2022).

ECI and PCI are the complexity metrics that can indicate the technological capacity of an economy. Relatedness, or *connectedness*, on the other hand, reflects the "similarity" between an economy and the exported products. For example, is Pakistan's export basket compatible with what

is required to produce more high-end textiles or automotives? Connectedness measures can indicate the pattern of specialization an economy can pursue. It can shed light on the related products and industries that are most likely to grow in the future and therefore, help the policy makers in formulating a relevant industrial policy. Formally, it is calculated as follows. If $M_{c,p}$ defines the exported products, p , in country (c), then metrics of proximity would connect pairs of products, denoted by $\phi_{pp'}$, and pairs of countries, $\phi_{cc'}$. The former metric is known as **product space**, whereas the latter is known as **producer space** (Hidalgo, 2021).

The relatedness space in the OEC distinguishes between products that are highly related, moderately related or unrelated to the current export basket. The measure of proximity relating a country (c) with a product p can be estimated as:

$$\omega_{cp} = \frac{\sum_{p'} M_{cp'} \phi_{pp'}}{\sum_{p'} \phi_{pp'}}$$

Connectedness can also be estimated by looking at similar locations:

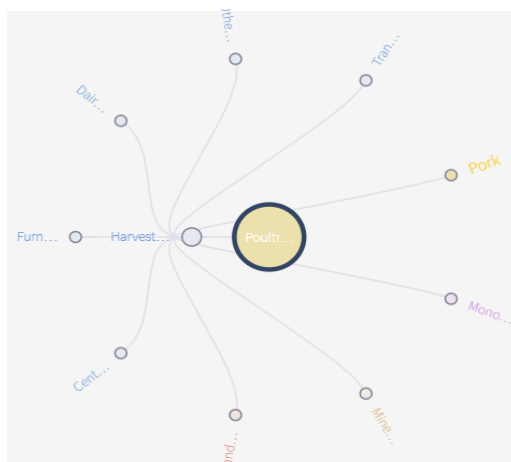
$$\omega_{cp} = \frac{\sum_{p'} M_{cp'} \phi_{cc'}}{\sum_{p'} \phi_{cc'}}$$

Our paper focuses on the product space of an economy, which shows the products exported in a given year. Product space also depicts the connectedness between products based on the similarities of know-how required to produce them. The product space networks are characterized by clusters whereby the industries related to garments would be seen together or the industries related to electronics would be clustered together (Hidalgo, 2021). There is also a distinction between a core and periphery which indicates that industries more related to each other are located in the core. They have been taken from the database of atlas of economic complexity (AEC)

Apart from the product space, AEC also shows a ring chart. The ring chart visualization showcases exports that are closely associated with a chosen product, either because it is a related export or commonly co-exported by the same country. These products are linked through their technological resemblance, indicating the utilization of similar production techniques to manufacture them. For example, if a country exports poultry with RCA

> 1 , then related harvesting or threshing machinery is stated as a primary connection. If the country exports the primary connection with $RCA < 1$, then an industrial policy could focus on expanding the exports in this category. However, if the economy has already specialized in the export of the primary connection, then the industrial policy can focus on increasing exports in the secondary connections, or in this example, the products connected to harvesting or threshing machinery (figure 3)

Figure 3: Visualization of a Ring Chart.



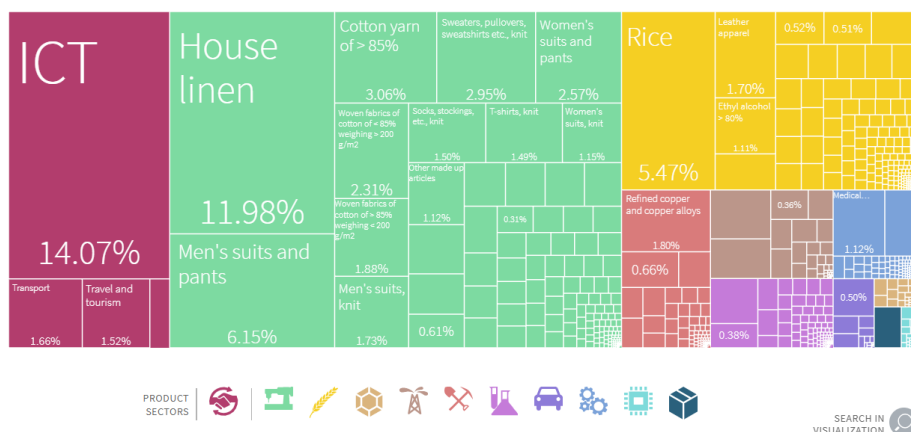
Source: AEC, Harvard Growth Lab 2024

The data for exports is based upon Harmonized System (HS) 1992 codes at the 4-digit level. In this paper, we firstly display the product space of Pakistan and employ the network to highlight the primary connections with the export basket of 2021 as that is the latest year for which the data is available in AEC.

4. Export structure of Pakistan in 2021

Tree map is a visual display of the HS 92 4-digit codes that are exported in an economy. Figure 4 shows that in the calendar year 2021, Pakistan reported exports of USD 36.7 Billion with the highest percentage of exports reported in the categories of textiles and food & vegetables. The major trading partners are the USA and Europe.

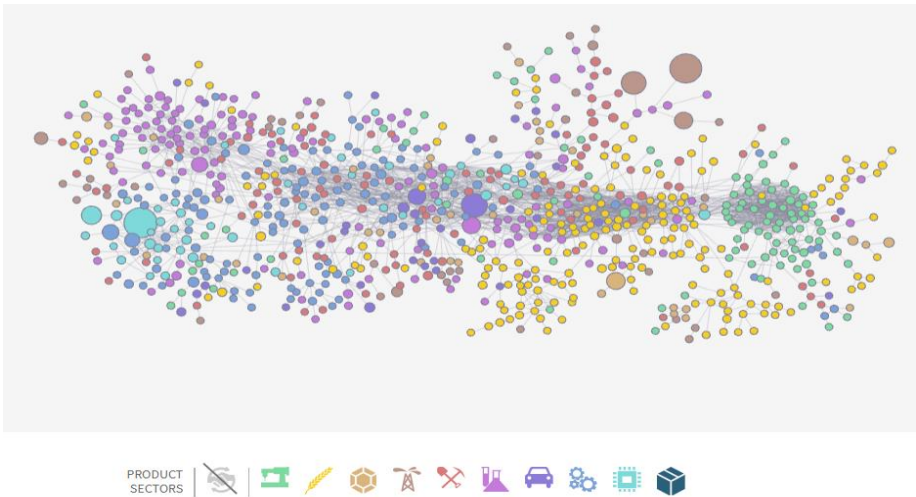
Figure 4: Pakistan's Tree Map 2021



Source: AEC, Harvard Growth Lab 2024

As explained, the product space is a network that connects the products likely to be co-exported. Tree map is a trade visualization whereas product space is a complexity visualization. The product space of Pakistan in 2021 is displayed in figure 5. Each node represents an HS 92 4-digit code. The size of the nodes reflects the volume of trade worldwide in that product. Furthermore, the nodes are categorized by colors: gray represents a product that is currently not exported and a colored node shows a positive value of exports in 2021 in Pakistan. Each colored node further represents different product sectors as shown in the figure. The green color symbolizes the sewing machine which represents the textile sector. The key to each color is shown in table 1. It can be observed that Pakistan's major exports are in the textile and agriculture sectors.

Figure 5: Pakistan’s Product Space 2021



Source: AEC, Harvard Growth Lab 2024

Table 1: Key to coloured nodes and associated product sectors in the product space

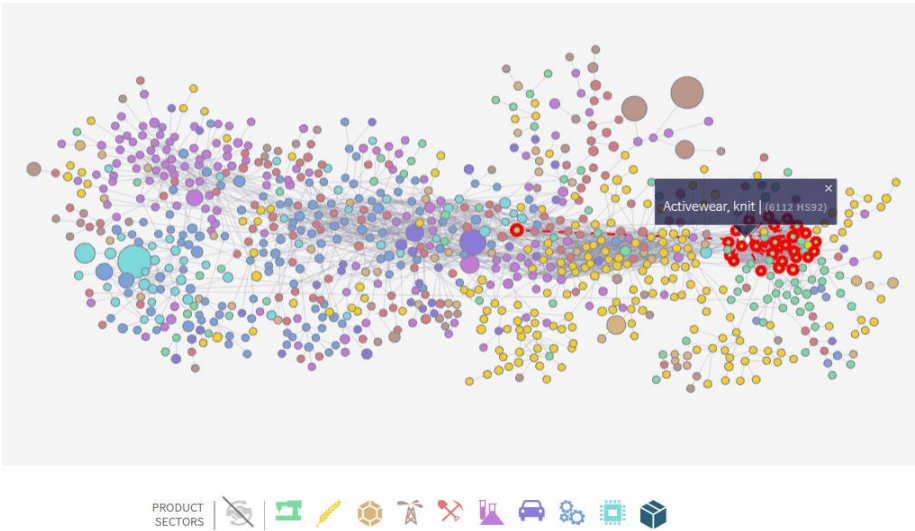
Color	Product Sector
Green	Textiles
Yellow	Agriculture
Gold	Stone
Brown	Minerals
Red	Metals
Light Purple	Chemicals
Dark Purple	Vehicles
Blue	Machinery
Neon	Electronics
Teal	Other sectors

Source: AEC, Harvard Growth Lab 2024

Hovering and clicking on a node highlights the products that are likely to be co-exported. As seen in the figure 6 below, by clicking on HS 92 4-digit code 6112 (activewear, knit), a bunch of smaller nodes are highlighted in red. These represent primary connections, which in this case includes products such as 6101 (Men's or boys' overcoats, carcoats), 6104 (Women's or girls' suits), 6108 (Women's or girls' slips, petticoats), 6111 (Babies' garments and clothing accessories, knitted or crocheted),

6117 (Other made up clothing accessories, knitted or crocheted), 6202 (Women's or girls' overcoats,carcoats), 6206 (Women's or girls' blouses, shirts and shirt-blouses), 6302 (Bed linen, table linen, toilet linen and kitchen linen), 6403 (Footwear), and so on. Likewise, primary connections can be explored for every exported product in Pakistan. For our analysis, we have taken into account the primary connections of all the products that Pakistan exported in 2021. These include 795 HS 92 4-digit categories in the export basket of Pakistan which have at least one or more than one primary connection. The aggregate number of HS 92 4-digit categories in the primary connections are equal to 4,879 whereas the unique number of HS 92 4-digit categories within those primary connections are 833.

Figure 6: Pakistan’s Product Space and Primary Connections 2021



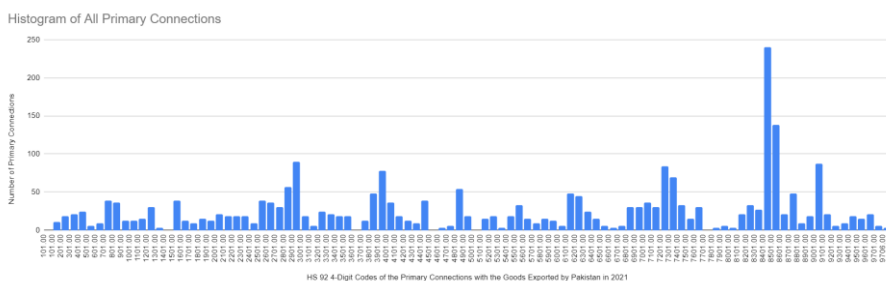
Source: AEC, Harvard Growth Lab 2024

5. Potential Exports Based on Primary Connections

The main proposition put forward here is that if a product has a primary connection to Pakistan’s export basket in 2021, then potentially, based on the technological similarity and absorptive capacity, Pakistan has the capability to increase the export of that product in the near future. Figure 7 shows the histogram of the 833 primary connections using the corresponding HS 92 4-digit product codes. The products in the range of

6200 to 6300, 3850 to 3950, 7200 to 7400 and 8400 to 8700 are primarily connected to the 2021 export basket of Pakistan the most number of times showing that these products might be important inputs. These include products such as 6101 (Men's or boys' overcoats, carcoats), 6104 (Women's or girls' suits), 6108 (Women's or girls' slips, petticoats), 6111 (Babies' garments and clothing accessories, knitted or crocheted), 6117 (Other made up clothing accessories, knitted or crocheted), 6202 (Women's or girls' overcoats,carcoats), 6206 (Women's or girls' blouses, shirts and shirt-blouses), 6302 (Bed linen, table linen, toilet linen and kitchen linen), 6403 (Footwear), 3921 (Other plates, sheets, film, foil and strip, of plastics), 3925 (Builders' ware of plastics, not elsewhere specified or included), 7326 (Other articles of iron or steel), 7325 (Other cast articles of iron or steel), 7616 (Other articles of aluminum), 8466 (Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools), 8428 (Other lifting, handling, loading or unloading machinery), 8716 (Trailers and semi-trailers; other vehicles, not mechanically propelled; and parts thereof), 8708 (Parts and accessories of the motor vehicles of headings 8701 to 8705), 8419 (Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 8514)), 8406 (Steam turbines and other vapor turbines, and parts thereof), 8416 (Furnace burners for liquid fuel), and 8544 (Insulated(including enameled or anodized) wire), 8409 (Parts suitable for use solely or principally with the engines).

Figure 7: Histogram of Primary Connections of Pakistan's Export Basket in 2021



Source: Authors' calculations

The following table 2 shows the top 20 products that appear the highest number of times within the primary connections. We can observe that Pakistan exports products such as 6109, 6204, or 6202, with a comparative advantage but the top three products in the table, 7326, 7325 and 8483, which are more complex products, have lower exports given the low RCA. Pakistan has the technological capability to increase exports in these categories as these are stated as primary connections. Doing so would also raise the overall economic complexity of Pakistan.

Table 2: Products identified as primary connections of Pakistan's 2021 export basket, sorted in descending order of number of times the primary connection occurs

HS 1992 Code	Product	Number of times the connection appears	RCA	PCI
7326	Other articles of iron or steel	48	0.1280	0.9343
7325	Other cast articles of iron or steel	37	0.0832	0.3706
8483	Transmission shafts (including camshafts and crankshafts) and cranks; bearing housings, housed bearings and plain shaft bearings; gears and gearing; ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pul	37	0.0290	1.3137
3925	Builders' ware of plastics, not elsewhere specified or included	36	0.0101	0.2176
6109	T-shirts, singlets, tank tops and similar garments, knitted or crocheted	36	7.8900	-1.2803
3921	Other plates, sheets, film, foil and strip, of plastics	34	0.0253	0.5991
4415	Packing cases, boxes, crates, drums and similar packings, of wood; cable-drums, of wood; pallets, box-pallets and other load boards, of wood; pallet collars of wood	34	0.0331	0.4140
6114	Other garments, knitted or crocheted	34	3.5100	-1.3249
6204	Women's or girls' suits, ensembles, suit-type jackets, blazers, dresses, skirts, divided skirts, trousers, bib and brace overalls, breeches and shorts (other than swimwear)	34	9.4600	-1.3247
6810	Articles of cement, of concrete or of artificial stone, whether or not reinforced	34	0.0876	0.4413
6104	Women's or girls' suits, ensembles, suit-type jackets, blazers, dresses, skirts, divided skirts, trousers, bib and brace overalls, breeches and shorts (other than swimwear), knitted or crocheted	33	6.9300	-1.3329

HS 1992 Code	Product	Number of times the connection appears	RCA	PCI
6111	Babies' garments and clothing accessories, knitted or crocheted	33	6.8300	-1.5907
6202	Women's or girls' overcoats,carcoats, capes, cloaks, anoraks (including ski-jackets), windbreakers and similar articles(including padded, sleeveless jackets), other than those of heading 6204	33	1.1100	-0.6045
6806	Slag wool, rock wool and similar mineral wools; exfoliated vermiculite, expanded clays, foamed slag and similar expanded mineral materials; mixtures and articles of heat-insulating, sound-insulating or sound-absorbing mineral materials, other than those o	33	0.0012	0.7858
7616	Other articles of aluminum	33	0.0710	0.7401
8466	Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool holders for any type of to	33	0.0135	1.5134
6207	Men's or boys' singlets and other undershirts, underpants, briefs, nightshirts, pajamas, bathrobes, dressing gowns and similar articles	32	33.5000	-1.4255
8428	Other lifting, handling, loading or unloading machinery (for example, elevators, escalators, conveyors, teleferics)	32	0.0099	1.0399
6102	Women's or girls' overcoats, carcoats, capes, cloaks, anoraks (including ski-jackets), windbreakers and similar articles, knitted or crocheted, other than those of heading 6104	31	7.5400	-1.0303
6208	Women's or girls' singlets and other undershirts, slips, petticoats, briefs, panties, nightdresses, pajamas, negligees, bathrobes, dressing gowns and similar articles	31	11.5000	-1.2983

The primary connections in figure 7 comprise products with an RCA equal to zero, greater than zero and less than one or greater than one. If the primary connection has an RCA equal to zero, the product could be considered as the new sub-sector where trade related industrial policy can focus on. Likewise, if the primary connections have RCA greater than zero or greater than one, Pakistan can further increase its exports with relatively more ease in these sub-sectors as these products are already being

produced and exported. In the following sections, we state the potential exports under each of the three scenarios. We explicitly take into account the products that have PCI greater than the reported value of 2021 ECI in our recommendations as increasing exports in these products would have a more significant impact on export revenues as well as on the technological capability in the future.

Scenario 1: The Primary Connections with the goods exported by Pakistan in 2021 which have RCA equal to zero

This category filters those products within the primary connections that are currently not part of Pakistan's export basket (in 2021) but since these are primary connections, they have technological similarity and therefore, can be part of the export basket in the near future. As explained above, table 3 only displays the top ten products sorted in descending values of PCI which have RCA equal to zero and PCI greater than the reported value of ECI in Pakistan, -0.49. The entire list of all the 58 HS 92 4-digit codes of the primary connections with RCA equal to zero can be seen in Appendix A. It can be observed from table 3 that the products such as 'electrical energy', 'coke etc of coal, lignite or peat, retort carbon', 'manganese', 'railway or tramway freight cars', 'sunflower seeds', and 'malt' could be added to the export basket in near future as compared to products like 'Tanks and other armored fighting vehicles' or 'Unwrought nickel' as their PCI is closer to -0.49.

Table 3: Products identified as primary connections of Pakistan's 2021 export basket with RCA equal to zero. Product Complexity Index is greater than Economic Complexity Index and products are sorted in ascending order of Product Complexity Index

HS92 4-digit Codes	Product Name	PCI	Sector
2716	Electrical energy	-0.4053	Minerals
2704	Coke etc of coal, lignite or peat, retort carbon	-0.3307	Minerals
8111	Manganese and articles thereof, including waste and scrap:	-0.2863	Metals
8606	Railway or tramway freight cars, not self-propelled	-0.0826	Vehicles
1206	Sunflower seeds	-0.0641	Agriculture
1107	Malt, whether or not roasted	-0.0638	Agriculture

HS92 4-digit Codes	Product Name	PCI	Sector
4703	Chemical woodpulp, soda or sulfate, other than dissolving grades	-0.0357	Agriculture
4301	Raw furskins (including heads, tails, paws and other pieces or cuttings, suitable for furriers' use), other than raw hides and skins of heading 4101, 4102 or 4103	-0.0046	Agriculture
8710	Tanks and other armored fighting vehicles, motorized, whether or not fitted with weapons, and parts of such vehicles	0.0166	Vehicles
7502	Unwrought nickel	0.0549	Metals

Scenario 2: The Primary Connections with the goods exported by Pakistan in 2021 which have RCA greater than zero and less than one

This category filters those products within the primary connections that are part of Pakistan's export basket (in 2021) with RCA less than 1. As in the case of scenario 1, we only enlist top 10 products that have PCI greater than -0.49 in table 4. The products are sorted in ascending order of PCI. Appendix B shows the entire list of the 630 products with RCA between zero and one.

It is important to mention that every product exported by a country with RCA less than one is not a primary connection. Primary connections are identified based on technological similarity and closer proximity with the current export basket. For example, Pakistan exported 5006 (silk yarn) in 2021 with RCA less than one but it is not identified as a primary connection in the AEC database. However, nearby products such as 5105 (wool and fine or coarse animal hair, carded or combed), and 5107 (yarn of combed wool, not put up for retail sale) are identified as primary connections, both of which are also exported by Pakistan in 2021 with RCA less than one. In terms of formulating an industrial policy, sub-sectors within 5105 and 5107 hold more importance as compared to sub-sectors within 5006 because the former products are closer in proximity, productive capacity and technological similarity, whether by a large or minute difference.

Therefore, the primary connections enlisted in table 4 are perhaps the most important products in terms of policy shift in the near future. These are the relatively more complex, higher value added primary connections

that Pakistan already exports but with low RCA. Increasing the exports in this category can lead to higher economic complexity and also have the potential to significantly increase the export revenues.

Table 4: Products identified as primary connections of Pakistan's 2021 export basket with RCA between zero and one. Product Complexity Index is greater than Economic Complexity Index and products are sorted in ascending order of Product Complexity Index

HS 1992 Code	Product	RCA	PCI	Sectors
4819	Cartons, boxes, cases, bags and other packing containers, of paper, paperboard, cellulose wadding or webs of cellulose fibers; box files, letter trays and similar articles, of paper or paperboard of a kind used in offices, shops or the like	0.1920	-0.4764	Agriculture
9703	Original sculptures and statuary, in any material	0.0684	-0.4758	Textiles
9507	Fishing rods, fish hooks and other line fishing tackle; fish landing nets, butterfly nets and similar nets; decoy birds (other than those of heading 9208 or 9705) and similar hunting or shooting equipment; parts and accessories thereof	0.1130	-0.4749	Machinery
8001	Unwrought tin	0.0079	-0.4694	Metals
6404	Footwear with outer soles of rubber, plastics, leather or composition leather and uppers of textile materials	0.0964	-0.4640	Textiles
7413	Stranded wire, cables, plaited bands and the like, including slings and similar articles, of copper, not electrically insulated:	0.0530	-0.4523	Metals
7206	Iron and nonalloy steel in ingots or other primary forms (excluding iron of heading 7203)	0.0296	-0.4488	Metals
1904	Prepared foods obtained by the swelling or roasting of cereals or cereal products (for example, cornflakes); cereals (other than corn (maize)) in grain form or in the form of flakes or other worked grains (except flour, groats and meal)	0.1350	-0.4398	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
2102	Yeasts (active or inactive); other single-cell microorganisms, dead (but not including vaccines of heading 3002); prepared baking powders	0.0138	-0.4300	Agriculture
4302	Tanned or dressed furskins (including heads, tails, paws and other pieces or cuttings), unassembled, or assembled (without the addition of other materials) other than those of heading 4303	0.0487	-0.4276	Agriculture

Scenario 3: The Primary Connections with the goods exported by Pakistan in 2021 which have RCA greater than one

This category filters the remaining 145 products within the primary connections that are part of Pakistan's export basket (in 2021) with higher comparative advantage. Table 5 shows the top ten primary connections according to the RCA which have PCI greater than -0.49. Appendix C explicitly lists down the 145 primary connections with RCA greater than one. It can be observed in table 5 that the PCI of the main exports of Pakistan are quite low which translates into low value added exports and generates lower export revenue. On the other hand, if the top three products according to PCI of -0.49 or higher are seen (HS 92 4-digit categories labeled as 3907, 8211 and 8203), they indicate low levels of exports given comparatively lower RCA. We therefore recommend that in the near future, industrial policy should focus more on product sectors that may have relatively lower RCA but their PCI is higher than ECI. Examples of such products could be 1702, 8203 and 9506 in table 5.

Table 5: Products identified as primary connections of Pakistan's 2021 export basket with RCA greater than one. Products are sorted in descending order of RCA

HS 1992 Code	Product	RCA	PCI	Sectors
9404	Mattress supports; articles of bedding and similar furnishing (for example, mattresses, quilts, eiderdowns, cushions, pouffes and pillows) fitted with springs or stuffed or internally fitted with any material or of cellular rubber or plastics, whether or no	6.6300	-0.4773	Textiles
4013	Inner tubes, of rubber	5.6100	-0.4614	Chemicals
5509	Yarn (other than sewing thread) of synthetic staple fibers, not put up for retail sale	3.8500	-0.4513	Textiles
5211	Woven fabrics of cotton, containing less than 85 percent by weight of cotton, mixed mainly or solely with man-made fibers, weighing more than 200 g/m2	31.9000	-0.3974	Textiles
6309	Used clothes and textiles	29.0000	-0.3748	Textiles
6303	Curtains (including drapes) and interior blinds; curtain or bed valances	13.0000	-0.2721	Textiles
1702	Other sugars, including chemically pure lactose, maltose, glucose and fructose, in solid form; sugar syrups not containing added flavoring or coloring matter; artificial honey, whether or not mixed with natural honey; caramel	4.7700	-0.1064	Agriculture
5512	Woven fabrics of synthetic staple fibers, containing 85 percent or more by weight of synthetic staple fibers	13.0000	0.1794	Textiles
9506	Articles and equipment for general physical exercise, gymnastics, athletics, other sports (including table-tennis) or outdoor games, not specified or included elsewhere in this chapter; swimming pools and wading pools; parts and accessories thereof	4.4400	0.4466	Machinery
8203	Files, rasps, pliers (including cutting pliers), pincers, tweezers, metal cutting shears, pipe cutters, bolt cutters, perforating punches and similar hand tools, and base metal parts thereof	4.4400	0.7937	Metals

6. Export Revenue Estimation

From the analysis of the three scenarios in the previous section, we identified the new, more complex products that can become part of the export basket of Pakistan in the near future based on the productive capabilities in 2021. We also identified more complex products that are primary connections and already exported by Pakistan with RCA less than one. Increasing products in these categories is crucial as that would not only generate export revenues but also raise the overall economic complexity. Our primary aim was to present a template which can be used by policy makers for export diversification and also show policy makers which of the currently exported goods have the greatest potential for growth.

In this section, we estimate the impact on potential export revenue generation if Pakistan starts exporting the 58 primary connections with RCA equal to zero; expand the exports of 630 primary connections with RCA between zero and also expand the exports of 145 products with RCA > 1 . We simulate the results under four cases. These are explained below and the results are tabulated in table 6.

- i. Simulation 1 projects what would happen to merchandise exports if Pakistan started exporting the 58 primary connections. Here, we have taken the potential value of exports for each new product equal to the average value of exports for each product Pakistan currently exports. Here we see that expanding into these new categories could increase Pakistan's merchandise exports by more than 5.54% (from USD 29.321 billion to USD 30.945 billion).
- ii. Simulation 2 projects what would happen to merchandise exports if Pakistan started exporting those 58 new products identified in scenario 1 as well as doubling the export of all the 630 primary connections with RCA between 0 and 1. Again, we have taken the potential value of exports for each new product equal to the average value of exports for each product Pakistan currently exports. Here we see that expanding into these new categories as well as increasing the export of goods which the country has the capability of making could increase Pakistan's merchandise exports by almost 22% (from USD 29.321 billion to USD 35.822 billion).
- iii. Simulation 3 projects what would happen to merchandise exports if Pakistan started exporting those 58 new products identified in

scenario 1 as well as doubling the export of all the 630 primary connections with RCA between 0 and 1. In this simulation, we have doubled the potential value of exports for each new product which is twice the average value of exports for each product Pakistan currently exports. Here we see that expanding into these new categories as well as increasing the export of goods which the country has the capability of making could increase Pakistan’s merchandise exports by almost 27.7% (from USD 29.321 billion to USD 37.446 billion).

Though these simulations are simple approximations, they show the impact of expanding the country’s export base towards more complex products.

Table 6: Potential Growth in Pakistan’s Merchandise Exports based on Simulations

Pakistan’s Merchandise Exports in 2021 (USD Billion)	29.321
Simulation 1: Potential Merchandise Exports after adding 58 primary connections with RCA = 0. We have taken the potential value of exports for each new product equal to the average value of exports for each product Pakistan currently exports.	30.945
Simulation 2: Potential Merchandise Exports after adding 58 primary connections with RCA = 0 as in simulation 1 and doubling all exports of the 630 primary connections with RCA between zero and one	35.822
Simulation 3: Potential Merchandise Exports after doubling all exports of the 630 primary connections with RCA between zero and one and doubling the potential export value of the 58 primary connections with RCA = 0 in simulation 1	37.446

Source: Authors’ Calculations

7. Policy Recommendations

It is high time that Pakistan focuses on an export-oriented industrial strategy. Pakistan’s current export basket is heavily concentrated in low-value-added sectors such as textiles and basic agricultural goods. To increase export revenues, policies should focus on moving up the value chain by promoting sectors with higher PCI values. Policy makers should prioritize the products and sectors identified in Scenarios 1, 2, and 3, which highlight high-value-added products that Pakistan could produce and export. Furthermore, policy makers should emphasize exporting products that are related to Pakistan’s existing export basket to leverage current productive capabilities. For example, the study identifies products

that are technologically similar to those already exported, offering opportunities for seamless diversification. These products include 'coke from coal', 'railway freight cars', and 'malt', as well as products like 'plastic goods' and 'machinery components', which offer substantial growth potential. Higher production and export of more complex products, such as 'machinery parts', 'unwrought nickel', and 'plastic products', can potentially increase Pakistan's export revenue by at least 5.54% and at most by 27% as estimated in this paper. Developing a detailed export strategy that is product-specific, targeting sectors with the highest potential for growth and economic complexity will allow Pakistan to strategically focus its resources on industries that promise the greatest returns in terms of export diversification, export growth and revenue.

To stimulate the production of these high-value-added products, the government can also introduce export prizes or incentives for firms that successfully export products identified. It can also create financial support mechanisms that enable exporters to access affordable financing for upgrading production capabilities. For instance, sectors identified in the product space analysis should receive priority in accessing export financing, particularly in industries such as 'electrical machinery' and 'metals'. Likewise, investment in export infrastructure (ports, roads, and electricity) is crucial to support efficient trade in high-value-added products. This will enable firms to meet global standards and improve their competitiveness in foreign markets. Pakistan should also establish Special Economic Zones (SEZs) that focus on producing products with high connectedness, as identified in Scenarios 1, 2, and 3. These SEZs should offer businesses tax breaks, subsidies, and infrastructure support to facilitate production and export of more complex products like 'machinery parts' or 'chemical woodpulp'.

In an effort to increase targeted market access and empower foreign missions, Pakistan's trade and investment officers should be trained to actively promote and connect foreign buyers with domestic producers in sectors identified in various scenarios in this paper. Their efforts should be focused on expanding high-value exports such as 'machinery' and 'metals' which hold great potential. When negotiating trade agreements, negotiators should emphasize these high-potential products to ensure increased market access. For example, securing preferential terms for exporting products like 'malt' or 'machinery components' can provide Pakistani producers with a competitive edge. Likewise, trade and investment officers should actively collaborate with exporters to build

partnerships in global markets, especially for products where Pakistan has a revealed comparative advantage or connectedness.

Policymakers should focus on decreasing tariffs on critical foreign inputs needed for the production of higher value-added, connected products. Lowering input costs will make it easier for domestic producers to compete internationally and scale production in complex sectors like metals, chemicals, and machinery. In fact, reducing tariffs should be coupled with efforts to improve supply chains and enhance access to essential components and raw materials for the production of sophisticated products. This will allow Pakistan to transition from lower-value-added exports to more complex and higher-margin products.

The government should incentivize investment in research and development, focusing on sectors that produce high-complexity products such as machinery and chemicals. Investment in R&D will ensure that firms are equipped with the technology and knowledge required to produce export-competitive goods. Collaboration with international partners for technology transfer is also crucial. Such expertise will allow Pakistani producers to compete in sectors identified for expansion, such as machinery and complex industrial goods. Collaborations with international firms can accelerate the development of Pakistan's capacity to produce high-complexity products. Similarly, by encouraging foreign investment in complex industries, Pakistan can leverage foreign expertise to enhance domestic production and export capabilities.

Building capacity for export promotion is essential. The government should ensure that trade and investment officers are trained to identify market opportunities for the products identified in the product space analysis. Officers should be equipped with knowledge about priority sectors and products, enabling them to connect Pakistani producers with global buyers effectively. Needless to say, establishing better coordination between government ministries, trade agencies, and foreign missions to ensure a cohesive export strategy that focuses on identified high-value-added products is imperative. This coordination is essential for aligning trade agreements, tariff policies, and export incentives.

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Appendix A:

Scenario 1: The Primary Connections with the goods exported by Pakistan in 2021 which have RCA equal to zero

HS 1992 Code	Product	PCI	Sectors
2843	Colloidal precious metals; inorganic or organic compounds of precious metals, whether or not chemically defined; amalgams of precious metals	2.2380	Chemicals
3818	Chemical element/compound wafers doped for electronic	2.0578	Chemicals
8457	Machining centers, unit construction machines (single station) and multistation transfer machines, for working metal	2.0096	Machinery
3702	Photographic film in rolls, sensitized, unexposed, of any material other than paper, paperboard or textiles; instant print film in rolls, sensitized, unexposed	2.0025	Chemicals
3914	Ion-exchangers based on polymers of headings 3901 to 3913, in primary forms	1.8728	Chemicals
7221	Bars and rods, stainless steel, hot-rolled, irreg coils	1.7258	Metals
2931	Other organo-inorganic compounds	1.6523	Chemicals
2907	Phenols; phenol-alcohols	1.3227	Chemicals
7006	Glass of heading 7003, 7004 or 7005, bent, edge-worked, engraved, drilled, enameled or otherwise worked, but not framed or fitted with other materials:	1.2541	Stone
2935	Sulfonamides	1.2007	Chemicals
7410	Copper foil (whether or not printed or backed with paper, paperboard, plastics or similar backing materials) of a thickness(excluding any backing) not exceeding 0.15 mm	1.0889	Metals
2929	Compounds with other nitrogen function	1.0671	Chemicals
7507	Nickel tubes, pipes and tube or pipe fittings (for example, couplings, elbows,sleeves)	0.9859	Metals
8104	Magnesium and articles thereof, including waste and scrap	0.9702	Metals
8601	Rail locomotives powered from an external source of electricity or by electric accumulators (batteries)	0.9321	Vehicles
3812	Prepared rubber accelerators; compound plasticizers for rubber or plastics, not elsewhere specified or included; antioxidizing preparations and other compound stabilizers for rubber or plastics	0.9179	Chemicals

HS 1992 Code	Product	PCI	Sectors
2926	Nitrile-function compounds	0.8937	Chemicals
8102	Molybdenum and articles thereof, including waste and scrap	0.8772	Metals
8476	Automatic goods-vending machines (for example, postage stamp, cigarette, food or beverage machines), including money-changing machines; parts thereof	0.8503	Machinery
7302	Railway or tramway track construction material of iron or steel, the following rails, check-rails and rack rails, switch blades, crossing frogs, point rods and other crossing pieces, sleepers (cross-ties), fish-plates, chairs, chair wedges, sole plates (b	0.7275	Metals
8303	Armored or reinforced safes, strong-boxes and doors and safe deposit lockers for strong-rooms, cash or deed boxes and the like, and parts thereof, of base metal	0.7263	Metals
203	Meat of swine, fresh, chilled or frozen	0.7246	Agriculture
7305	Other tubes and pipes (for example, welded, riveted or similarly closed), having circular cross sections, the external diameter of which exceeds 406.4 mm, of iron or steel	0.7203	Metals
3703	Photographic paper, paperboard and textiles, sensitized, unexposed	0.7123	Chemicals
9114	Other clock or watch parts	0.7102	Machinery
9111	Watch cases and parts thereof	0.7077	Machinery
8713	Carriages for disabled persons, whether or not motorized or otherwise mechanically propelled	0.6982	Vehicles
8715	Baby carriages (including strollers) and parts thereof	0.5667	Vehicles
7301	Sheet piling of iron or steel, whether or not drilled, punched or made from assembled elements; welded angles, shapes and sections, of iron or steel	0.5184	Metals
8805	Aircraft launching gear; deck-arrestor or similar gear; ground flying trainers; parts of the foregoing articles	0.5001	Vehicles
8605	Railway or tramway passenger coaches, not self-propelled; luggage vans, post office coaches and other special purpose railway or tramway coaches, not self-propelled (excluding those of heading 8604)	0.4247	Vehicles
2803	Carbon, nesoi (including carbon black)	0.3002	Chemicals
1205	Rape or colza seeds, whether or not broken	0.2241	Agriculture
8604	Railway or tramway maintenance or service vehicles, whether or not self-propelled (for example,	0.2119	Vehicles

HS 1992 Code	Product	PCI	Sectors
	workshops, cranes, ballast tampers, trackliners, testing coaches and track inspection vehicles)		
8112	Beryllium, chromium, germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium and thallium, and articles of these metals, including waste and scrap	0.1860	Metals
7502	Unwrought nickel	0.0549	Metals
8710	Tanks and other armored fighting vehicles, motorized, whether or not fitted with weapons, and parts of such vehicles	0.0166	Vehicles
4301	Raw furskins (including heads, tails, paws and other pieces or cuttings, suitable for furriers' use), other than raw hides and skins of heading 4101, 4102 or 4103	-0.0046	Agriculture
4703	Chemical woodpulp, soda or sulfate, other than dissolving grades	-0.0357	Agriculture
1107	Malt, whether or not roasted	-0.0638	Agriculture
1206	Sunflower seeds	-0.0641	Agriculture
8606	Railway or tramway freight cars, not self-propelled	-0.0826	Vehicles
8111	Manganese and articles thereof, including waste and scrap:	-0.2863	Metals
2704	Coke etc of coal, lignite or peat, retort carbon	-0.3307	Minerals
2716	Electrical energy	-0.4053	Minerals
2204	Wine of fresh grapes, including fortified wines; grape must other than that of heading 2009	-0.5423	Agriculture
1803	Cocoa paste, whether or not defatted	-0.7059	Agriculture
6908	Glazed ceramic flags and paving, hearth or wall tiles; glazed ceramic mosaic cubes and the like, whether or not on a backing	-1.0054	Stone
8902	Fishing vessels; factory ships and other vessels for processing or preserving fishery products	-1.0789	Vehicles
2822	Cobalt oxides and hydroxides; commercial cobalt oxides	-1.1783	Chemicals
3102	Mineral or chemical fertilizers, nitrogenous	-1.2247	Chemicals
8905	Light-vessels, fire-floats, dredgers, floating cranes, and other vessels the navigability of which is subsidiary to their main function; floating docks; floating or submersible drilling or production platforms	-1.3681	Vehicles
2614	Titanium ores and concentrates	-2.1429	Minerals
2612	Uranium or thorium ores and concentrates	-2.3061	Minerals

HS 1992 Code	Product	PCI	Sectors
2711	Petroleum gases and other gaseous hydrocarbons	-2.3400	Minerals
1007	Grain sorghum	-2.3489	Agriculture
1801	Cocoa beans, whole or broken, raw or roasted	-3.0358	Agriculture
2605	Cobalt ores and concentrates	-3.1530	Minerals

Appendix B:

Scenario 2: The Primary Connections with the goods exported by Pakistan in 2021 which have RCA greater than zero and less than one

HS 1992 Code	Product	RCA	PCI	Sectors
9010	Apparatus and equipment for photographic (including cinematographic) laboratories, not specified or included elsewhere in this chapter; negatoscopes; projection screens; parts and accessories thereof	0.0073	2.2693	Machinery
9012	Microscopes other than optical microscopes; diffraction apparatus; parts and accessories thereof	0.0038	2.0911	Machinery
8479	Machines and mechanical appliances having individual functions, not specified or included elsewhere in this chapter; parts thereof	0.0127	2.0401	Machinery
8461	Machine tools for planing, shaping, slotting, broaching, gear cutting, gear grinding or gear finishing, sawing, cutting-off and other machine tools working by removing metal or cermets, not elsewhere specified or included	0.0048	1.9566	Machinery
3910	Silicones in primary forms	0.0392	1.9348	Chemicals
8420	Calendering or other rolling machines, other than for metals or glass, and cylinders therefor; parts thereof	0.2840	1.8826	Machinery
8209	Of other cermets	0.0047	1.8286	Metals
2910	Epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring, and their halogenated, sulfonated, nitrated or nitrosated derivatives	0.0002	1.8246	Chemicals
3403	Lubricating preparations (including cutting-oil preparations, bolt or nut release preparations, antirust or anticorrosion preparations and mold release preparations, based on lubricants) and preparations of a kind used for the oil or grease treatment of t	0.0107	1.7865	Chemicals
9027	Instruments and apparatus for physical or chemical analysis (for example, polarimeters, refractometers, spectrometers, gas or smoke analysis apparatus); instruments and	0.0267	1.7726	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
	apparatus for measuring or checking viscosity, porosity, expansion, surface tension or			
3908	Polyamides in primary forms	0.0277	1.7690	Chemicals
8456	Machine tools for working any material by removal of material, by laser or other light or photon beam, ultrasonic, electro-discharge, electro-chemical, electron-beam, ionic-beam or plasma arc processes	0.0295	1.7640	Machinery
8458	Lathes (including turning centers) for removing metal	0.1010	1.7342	Machinery
3707	Chemical preparations for photographic uses (other than varnishes, glues, adhesives and similar preparations); unmixed products for photographic uses, put up in measured portions or put up for retail sale in a form ready for use	0.0009	1.7172	Chemicals
8481	Taps, cocks, valves and similar appliances, for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves; parts thereof	0.0159	1.7168	Machinery
8477	Machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in this chapter; parts thereof	0.0537	1.7122	Machinery
8208	Knives and cutting blades, for machines or for mechanical appliances, and base metal parts thereof	0.0975	1.7077	Metals
7220	Flat-rolled products of stainless steel, of a width of less than 600 mm	0.0008	1.6869	Metals
3002	Human blood; animal blood prepared for therapeutic, prophylactic or diagnostic uses; antisera and other blood fractions and modified immunological products, whether or not obtained by means of biotechnological processes; vaccines, toxins, cultures of micr	0.0007	1.6790	Chemicals
9024	Machines and appliances for testing the hardness, strength, compressibility, elasticity or other mechanical properties of materials (for example, metals, wood, textiles, paper, plastics), and parts and accessories thereof	0.0557	1.6659	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
4806	Vegetable parchment, greaseproof papers, tracing papers and glassine and other glazed transparent or translucent papers, in rolls or sheets	0.0169	1.6471	Agriculture
9031	Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors; parts and accessories thereof	0.0159	1.6317	Machinery
8439	Machinery for making pulp of fibrous cellulosic material or for making or finishing paper or paperboard (other than the machinery of heading 8419); parts thereof	0.0223	1.6186	Machinery
8475	Machines for assembling electric or electronic lamps, tubes or flashbulbs, in glass envelopes; machines for manufacturing or hot working glass or glassware; parts thereof	0.0152	1.6185	Machinery
7318	Screws, bolts, nuts, coach screws, screw hooks, rivets, cotters, cotter pins, washers (including spring washers) and similar articles, of iron or steel	0.0382	1.6178	Metals
3701	Photographic plates and film in the flat, sensitized, unexposed, of any material other than paper, paperboard or textiles; instant print film in the flat, sensitized, unexposed, whether or not in packs	0.0310	1.6055	Chemicals
8523	Discs, tapes, solid-state non-volatile storage devices, smart cards and other media for the recording of sound or of other phenomena, whether or not recorded, including matrices and masters for the production of discs, but excluding products of Chapter 37	0.0130	1.6043	Electronics
3810	Pickling preparations for metal surfaces; fluxes and other auxiliary preparations for soldering, brazing or welding; soldering, brazing or welding powders and pastes consisting of metal and other materials; preparations of a kind used as cores or coatings for welding electrodes or rods:	0.0002	1.5877	Chemicals
8460	Machine tools for deburring, sharpening, grinding, honing, lapping, polishing or otherwise finishing metal or cermets by means of grinding stones, abrasives or polishing	0.0244	1.5873	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
	products, other than gear cutting, gear grinding or gear finishing machines of heading			
8207	Interchangeable tools for hand tools, whether or not power-operated, or for machine-tools (for example, for pressing, stamping, punching, tapping, threading, drilling, boring, broaching, milling, turning or screw driving), including dies for drawing or extruding	0.0436	1.5835	Metals
8202	Handsaws, and metal parts thereof; blades for saws of all kinds (including slitting, slotting or toothless saw blades), and base metal parts thereof	0.0088	1.5793	Metals
2914	Ketones and quinones, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated, or nitrosated derivatives	0.0002	1.5548	Chemicals
7222	Other bars and rods of stainless steel; angles, shapes and sections of stainless steel	0.0093	1.5457	Metals
9017	Drawing, marking-out or mathematical calculating instruments (for example, drafting machines, pantographs, protractors, drawing sets, slide rules, disc calculators); instruments for measuring length, for use in the hand (for example, measuring tapes and micrometers)	0.1520	1.5302	Machinery
9108	Watch movements, complete and assembled	0.0023	1.5181	Machinery
8603	Self-propelled railway or tramway coaches, vans and trucks, other than those of heading 8604	0.0177	1.5166	Vehicles
8466	Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool holders for any type of tool	0.0135	1.5134	Machinery
8515	Electric (including electrically heated gas), laser or other light or photon beam, ultrasonic, electron beam, magnetic pulse or plasma arc soldering, brazing or welding machines and apparatus, whether or not capable of cutting; electric machines and apparatus	0.0088	1.5119	Electronics
3506	Prepared glues and other prepared adhesives, not elsewhere specified or included; products suitable for use as glues or adhesives, put up	0.0575	1.5118	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
	for retail sale as glues or adhesives, not exceeding a net weight of 1 kg			
7226	Flat-rolled products of other alloy steel, of a width of less than 600 mm	0.0212	1.5015	Metals
9022	Apparatus based on the use of X-rays or of alpha, beta or gamma radiations, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus, X-ray tubes and other X-ray generators, high tension generators, c	0.0358	1.4960	Machinery
3911	Petroleum resins, coumarone-indene resins, polyterpenes, polysulfides, polysulfones and other products specified in note 3 to this chapter, not elsewhere specified or included, in primary forms	0.0017	1.4775	Chemicals
7315	Chain and parts thereof, of iron or steel	0.0254	1.4722	Metals
7506	Nickel plates, sheets, strip and foil	0.0011	1.4672	Metals
7225	Flat-rolled products of other alloy steel, of a width of 600 mm or more	0.0508	1.4658	Metals
8480	Molding boxes for metal foundry; mold bases; molding patterns; molds for metal (other than ingot molds), metal carbides, glass, mineral materials, rubber or plastics	0.0773	1.4503	Machinery
8462	Machine tools (including presses) for working metal by forging, hammering or die-stamping; machine tools (including presses) for working metal by bending, folding, straightening, flattening, shearing, punching or notching; presses for working metal or met	0.0304	1.4438	Machinery
3906	Acrylic polymers in primary forms	0.0708	1.4435	Chemicals
8408	Compression-ignition internal combustion piston engines (diesel or semi-diesel engines)	0.0094	1.4361	Machinery
8401	Nuclear reactors; fuel elements (cartridges), non-irradiated, for nuclear reactors; machinery and apparatus for isotopic separation; parts thereof	0.0016	1.4173	Machinery
3822	Diagnostic or laboratory reagents on a backing and prepared diagnostic or laboratory reagents, whether or not on a backing, other than those of heading 3002 or 3006; certified reference materials	0.0065	1.4171	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
8482	Ball or roller bearings, and parts thereof	0.0065	1.4145	Machinery
9209	Parts (for example, mechanisms for music boxes) and accessories (for example, cards, discs and rolls for mechanical instruments) of musical instruments; metronomes, tuning forks and pitch pipes of all kinds	0.2380	1.4071	Machinery
8543	Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; parts thereof	0.0092	1.4042	Electronics
8414	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; parts thereof	0.2430	1.3865	Machinery
3905	Polymers of vinyl acetate or of other vinyl esters, in primary forms; other vinyl polymers in primary forms	0.0916	1.3822	Chemicals
8448	Auxiliary machinery for use with machines of heading 8444, 8445, 8446 or 8447 (for example, dobbies, Jacquards, automatic stop motions and shuttle changing mechanisms); parts and accessories suitable for use solely or principally with the machines of this	0.3620	1.3737	Machinery
2916	Unsaturated acyclic monocarboxylic acids, cyclic monocarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	0.1200	1.3687	Chemicals
2934	Nucleic acids and their salts, whether or not chemically defined; other heterocyclic compounds	0.0365	1.3670	Chemicals
8464	Machine tools for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold working glass	0.0144	1.3655	Machinery
2920	Esters of other inorganic acids of nonmetals (excluding esters of hydrogen halides) and their salts; their halogenated, sulfonated, nitrated or nitrosated derivatives	0.0060	1.3548	Chemicals
9030	Oscilloscopes, spectrum analyzers and other instruments and apparatus for measuring or checking electrical quantities, excluding meters of heading 9028; instruments and	0.0577	1.3231	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
	apparatus for measuring or detecting alpha, beta, gamma, X-ray, cosmic or other ionizin			
8419	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 8514), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting,	0.0124	1.3214	Machinery
8483	Transmission shafts (including camshafts and crankshafts) and cranks; bearing housings, housed bearings and plain shaft bearings; gears and gearing; ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pul	0.0290	1.3137	Machinery
8445	Machines for preparing textile fibers; spinning, doubling or twisting machines and other machinery for producing textile yarns; textile reeling or winding (including weft winding) machines and machines for preparing textile yarns for use on the machines o	0.1570	1.3126	Machinery
8413	Pumps for liquids, whether or not fitted with a measuring device; liquid elevators; part thereof	0.0528	1.3100	Machinery
7307	Tube or pipe fittings (for example, couplings, elbows, sleeves), of iron or steel	0.0105	1.3071	Metals
9002	Lenses, prisms, mirrors and other optical elements, of any material, mounted,being parts of or fittings for instruments or apparatus, other than such elements of glass not optically worked; parts and accessories thereof	0.0019	1.3060	Machinery
3801	Artificial graphite; colloidal or semi-colloidal graphite; preparations based on graphite or other carbon in the form of pastes, blocks, plates or other semimanufactures	0.0055	1.2941	Chemicals
8407	Spark-ignition reciprocating or rotary internal combustion piston engines	0.1470	1.2938	Machinery
8427	Fork-lift trucks; other works trucks fitted with lifting or handling equipment	0.0043	1.2917	Machinery
8406	Steam turbines and other vapor turbines, and parts thereof	0.2170	1.2878	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
8451	Machinery (other than machines of heading 8450) for washing, cleaning, wringing, drying, ironing, pressing (including fusing presses), bleaching, dyeing, dressing, finishing, coating or impregnating textile yarns, fabrics or made up textile articles and m	0.0404	1.2862	Machinery
8485	Machinery parts, not containing electrical connectors, insulators, coils, contacts or other electrical features, not specified or included elsewhere in this Chapter.	0.0879	1.2854	Machinery
2921	Amine-function compounds	0.0149	1.2639	Chemicals
7223	Wire of stainless steel:	0.0061	1.2605	Metals
8473	Parts and accessories (other than covers, carrying cases and the like) suitable for use solely or principally with machines of headings 8469 to 8472	0.0033	1.2558	Machinery
5502	Artificial filament tow	0.0524	1.2549	Textiles
8422	Dishwashing machines; machinery for cleaning or drying bottles or other containers; machinery for filling, closing, sealing or labeling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles, jars, tubes and similar containers; ot	0.1990	1.2544	Machinery
6804	Millstones, grindstones, grinding wheels and the like, without frameworks, for grinding, sharpening, polishing, trueing or cutting, hand sharpening or polishing stones, and parts thereof, of natural stone, of agglomerated natural or artificial abrasives,	0.0174	1.2535	Stone
9033	Parts and accessories (not specified or included elsewhere in this chapter) for machines, appliances, instruments or apparatus of chapter 90	0.1280	1.2498	Machinery
8416	Furnace burners for liquid fuel, for pulverized solid fuel or for gas; mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances; parts thereof	0.0060	1.2431	Machinery
8467	Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or nonelectric motor, and parts thereof	0.0108	1.2334	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
7218	Stainless steel in ingots or other primary forms; semi- finished products of stainless steel	0.0820	1.2334	Metals
8508	Vacuum cleaners; parts thereof	0.0024	1.2241	Electronics
2933	Heterocyclic compounds with nitrogen hetero-atom(s) only	0.0293	1.2212	Chemicals
9013	Liquid crystal devices not constituting articles provided for more specifically in other headings; lasers, other than laser diodes; other optical appliances and instruments, not specified or included elsewhere in this chapter; parts and accessories thereo	0.0006	1.2177	Machinery
9014	Direction finding compasses; other navigational instruments and appliances; parts and accessories thereof	0.0729	1.2156	Machinery
3507	Enzymes; prepared enzymes not elsewhere specified or included	0.0086	1.2089	Chemicals
8532	Electrical capacitors, fixed, variable or adjustable (pre-set); parts thereof	0.0170	1.2087	Electronics
8517	Telephone sets, including telephones for cellular networks or for other wireless networks; other apparatus for the transmission or reception of voice, images or other data,including apparatus for communication in a wired or wireless network (such as a loc	0.0409	1.2031	Electronics
8708	Parts and accessories of the motor vehicles of headings 8701 to 8705	0.0366	1.1989	Vehicles
8505	Electromagnets; permanent magnets and articles intended to become permanent magnets after magnetization;electromagnetic or permanent magnet chucks, clamps and similar holding devices;electromagnetic couplings, clutches and brakes; electromagnetic lifting	0.0361	1.1952	Electronics
8507	Electric storage batteries, including separators therefor, whether or not rectangular(including square); parts thereof	0.1770	1.1898	Electronics
8506	Primary cells and primary batteries; parts thereof	0.1340	1.1803	Electronics
8404	Auxiliary plant for use with boilers of heading 8402 or 8403 (for example, economizers, super-heaters, soot removers, gas recoverers);	0.0343	1.1759	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
	condensers for steam or other vapor power units; parts thereof			
6909	Ceramic wares for laboratory, chemical or other technical uses; ceramic troughs, tubs and similar receptacles of a kind used in agriculture; ceramic pots, jars and similar articles of a kind used for the conveyance or packing of goods	0.0010	1.1644	Stone
2922	Oxygen-function amino-compounds	0.0010	1.1565	Chemicals
4005	Compounded rubber, unvulcanized, in primary forms or in plates, sheets or strip	0.0290	1.1562	Chemicals
6805	Natural or artificial abrasive powder or grain, on a base of textile material, of paper, of paperboard or of other materials, whether or not cut to shape or sewn or otherwise made up	0.0059	1.1538	Stone
3912	Cellulose and its chemical derivatives, not elsewhere specified or included, in primary forms	0.0115	1.1418	Chemicals
7219	Flat-rolled products of stainless steel, of a width of 600 mm or more	0.0144	1.1379	Metals
9032	Automatic regulating or controlling instruments and apparatus; parts and accessories thereof	0.0161	1.1370	Machinery
3909	Amino-resins, phenolic resins and polyurethanes, in primary forms	0.0145	1.1370	Chemicals
8542	Electronic integrated circuits; parts thereof	0.0004	1.1333	Electronics
2936	Provitamins and vitamins, natural or reproduced by synthesis (including natural concentrates), derivatives thereof used primarily as vitamins, and intermixtures of the foregoing, whether or not in any solvent	0.0162	1.1264	Chemicals
8454	Converters, ladles, ingot molds and casting machines, of a kind used in metallurgy or in metal foundries, and parts thereof	0.1200	1.1263	Machinery
9011	Compound optical microscopes, including those for photomicrography, cinemicrography or microprojection; parts and accessories thereof	0.0032	1.1255	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
3919	Self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes, of plastics, whether or not in rolls	0.0055	1.1195	Chemicals
9026	Instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases (for example, flow meters, level gauges, manometers, heat meters), excluding instruments and apparatus of heading 9014, 9015, 9028 or 9032	0.0357	1.1184	Machinery
3821	Prepared culture media for development or maintenance of micro-organisms (including viruses and the like) or of plant, human or animal cells	0.0014	1.1164	Chemicals
2912	Aldehydes, whether or not with other oxygen function; cyclic polymers of aldehydes; paraformaldehyde	0.0266	1.1115	Chemicals
9612	Typewriter or similar ribbons, inked or otherwise prepared for giving impressions, whether or not on spools or in cartridges; ink pads, whether or not inked, with or without boxes	0.0017	1.1059	Machinery
5903	Textile fabrics impregnated, coated, covered or laminated with plastics, other than those of heading 5902	0.3580	1.0999	Textiles
3005	Wadding, gauze, bandages and similar articles (for example, dressings, adhesive plasters, poultices), impregnated or coated with pharmaceutical substances or put up in forms or packings for retail sale for medical, surgical, dental or veterinary purposes	0.2720	1.0958	Chemicals
5906	Rubberized textile fabrics, other than those of heading 5902	0.3950	1.0894	Textiles
8465	Machine tools (including machines for nailing, stapling, glueing or otherwise assembling) for working wood, cork, bone, hard rubber, hard plastics or similar hard materials	0.0134	1.0879	Machinery
7508	Other articles of nickel	0.0087	1.0856	Metals
2941	Antibiotics	0.0247	1.0811	Chemicals
8431	Parts suitable for use solely or principally with the machinery of headings 8425 to 8430	0.0684	1.0807	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
5911	Textile products and articles, for technical uses, specified in note 7 to this chapter	0.2600	1.0802	Textiles
8703	Motor cars and other motor vehicles principally designed for the transport of persons (other than those of heading 8702), including station wagons and racing cars	0.0016	1.0750	Vehicles
8546	Electrical insulators of any material	0.0771	1.0707	Electronics
7002	Glass in balls (other than microspheres of heading 7018), rods or tubes, unworked	0.1090	1.0691	Stone
8526	Radar apparatus, radio navigational aid apparatus and radio remote control apparatus	0.0337	1.0689	Electronics
2930	Organo-sulfur compounds	0.0022	1.0668	Chemicals
8204	Hand-operated spanners and wrenches (including torque meter wrenches but not including tap wrenches); socket wrenches, with or without handles, drives or extensions; base metal parts thereof	0.0195	1.0661	Metals
8471	Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included	0.0046	1.0497	Machinery
3815	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included	0.2900	1.0493	Chemicals
8443	Printing machinery used for printing by means of plates, cylinders and other printing components of heading 8442; other printers, copying machines and facsimile machines, whether or not combined; parts and accessories thereof	0.0226	1.0475	Machinery
8459	Machine tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, other than lathes (including turning centers) of heading 8458	0.0088	1.0459	Machinery
8484	Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal; sets or assortments of gaskets and similar joints, dissimilar in composition, put up in pouches, envelopes or similar packings; mechanical seals	0.2150	1.0441	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
8428	Other lifting, handling, loading or unloading machinery (for example, elevators, escalators, conveyors, teleferics)	0.0099	1.0399	Machinery
7412	Copper tube or pipe fittings (for example couplings, elbows, sleeves)	0.0034	1.0386	Metals
8307	Flexible tubing of base metal, with or without fittings	0.0150	1.0313	Metals
8530	Electrical signaling, safety or traffic control equipment for railways, streetcar lines, subways, roads, inland waterways, parking facilities, port installations or airfields (other than those of heading 8608); parts thereof	0.0016	1.0274	Electronics
8701	Tractors (other than tractors of heading 8709)	0.4670	1.0226	Vehicles
9402	Medical, surgical, dental or veterinary furniture (for example, operating tables, examination tables, hospital beds with mechanical fittings, dentists' chairs); barbers' chairs and similar chairs, having rotating as well as both reclining and elevating mo	0.0358	1.0179	Textiles
2937	Hormones, prostaglandins, thromboxanes and leukotrienes, natural or reproduced by synthesis; derivatives and structural analogues thereof, including chain modified polypeptides, used primarily as hormones	0.0018	1.0147	Chemicals
8440	Bookbinding machinery, including book-sewing machines, and parts thereof	0.0059	1.0131	Machinery
8421	Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases; parts thereof	0.0695	1.0042	Machinery
6903	Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meals or of similar siliceous earths	0.0071	1.0026	Stone
7229	Wire of other alloy steel	0.2540	1.0013	Metals
8541	Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes; mounted piezoelectric crystals; parts thereof	0.0012	0.9929	Electronics

HS 1992 Code	Product	RCA	PCI	Sectors
9001	Optical fibers and optical fiber bundles; optical fiber cables other than those of heading 8544; sheets and plates of polarizing material; lenses (including contact lenses), prisms, mirrors and other optical elements, of any material, unmounted, other tha	0.0054	0.9915	Machinery
8468	Machinery and apparatus for soldering, brazing or welding, whether or not capable of cutting, other than those of heading 8515; gas-operated surface tempering machines and appliances; parts thereof	0.0111	0.9852	Machinery
7320	Springs and leaves for springs, of iron or steel	0.0073	0.9833	Metals
8205	Hand tools (including glass cutters) not elsewhere specified or included; blowtorches and similar self-contained torches; vises, clamps and the like, other than accessories for and parts of machine tools; anvils; portable forges; hand- or pedal-operated g	0.8580	0.9795	Metals
8510	Shavers, hair clippers and hair-removing appliances, with self-contained electric motor; parts thereof	0.0050	0.9771	Electronics
7505	Nickel bars, rods, profiles and wire	0.0024	0.9761	Metals
8463	Other machine tools for working metal or cermets, without removing material	0.0629	0.9755	Machinery
8538	Parts suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537	0.0135	0.9725	Electronics
5603	Nonwovens, whether or not impregnated, coated, covered or laminated	0.0782	0.9703	Textiles
4010	Conveyor or transmission belts or belting, of vulcanized rubber	0.0084	0.9695	Chemicals
8524	Recorded sound media records, tapes, cassettes, master records, metal matrices, compact discs	0.0285	0.9678	Electronics
8534	Electronic printed circuits	0.0006	0.9673	Electronics
8433	Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of heading 8437; parts thereof	0.0459	0.9659	Machinery
8714	Parts and accessories of vehicles of headings 8711 to 8713	0.0369	0.9635	Vehicles

HS 1992 Code	Product	RCA	PCI	Sectors
8512	Electrical lighting or signaling equipment (excluding articles of heading 8539), windshield wipers, defrosters and demisters, of a kind used for cycles or motor vehicles; parts thereof	0.0044	0.9618	Electronics
8302	Base metal mountings, fittings and similar articles suitable for furniture, doors, staircases, windows, blinds, coachwork, saddlery, trunks, chests, caskets or the like; base metal hat racks, hat-pegs, brackets and similar fixtures; castors with mountings	0.0568	0.9512	Metals
2932	Heterocyclic compounds with oxygen hetero-atom(s) only	0.0065	0.9475	Chemicals
2903	Halogenated derivatives of hydrocarbons	0.0002	0.9458	Chemicals
9021	Orthopedic appliances, including crutches, surgical belts and trusses; splints and other fracture appliances; artificial parts of the body; hearing aids and other appliances which are worn or carried, or implanted in the body, to compensate for a defect or	0.0457	0.9451	Machinery
9504	Articles for arcade, table or parlor games, including pinball machines, bagatelle, billiards and special tables for casino games; automatic bowling alley equipment; parts and accessories thereof	0.0133	0.9391	Machinery
8301	Padlocks and locks (key, combination or electrically operated), of base metal; clasps and frames with clasps, incorporating locks, of base metal; keys and parts of any of the foregoing articles, of base metal	0.0079	0.9374	Metals
7326	Other articles of iron or steel	0.1280	0.9343	Metals
8436	Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment; poultry incubators and brooders; parts thereof	0.0149	0.9191	Machinery
8504	Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof	0.0327	0.9125	Electronics
8709	Works trucks, self-propelled, not fitted with lifting or handling equipment, of the type used in factories, warehouses, dock areas or airports for short distance transport of goods; tractors of	0.0252	0.9015	Vehicles

HS 1992 Code	Product	RCA	PCI	Sectors
	the type used on railway station platforms; parts of the foreg			
3913	Natural polymers (for example, alginic acid) and modified natural polymers (for example, hardened proteins, chemical derivatives of natural rubber), not elsewhere specified or included, in primary forms	0.1460	0.8971	Chemicals
8425	Pulley tackle and hoists other than skip hoists; winches and capstans; jacks	0.0471	0.8950	Machinery
4902	Newspapers, journals and periodicals, whether or not illustrated or containing advertising material	0.0173	0.8908	Agriculture
8514	Industrial or laboratory electric furnaces and ovens (including those functioning by induction or dielectric loss); other industrial or laboratory equipment for the heat treatment of materials by induction or dielectric loss; parts thereof	0.0561	0.8903	Electronics
8547	Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of insulating material apart from any minor components of metal (for example, threaded sockets) incorporated during molding solely for the purposes of assembly, oth	0.0073	0.8891	Electronics
8472	Other office machines (for example, hectograph or stencil duplicating machines, addressing machines, automatic banknote dispensers, coin-sorting machines, coin-counting or wrapping machines, pencil-sharpening machines, perforating or stapling machines)	0.0048	0.8853	Machinery
8501	Electric motors and generators (excluding generating sets)	0.0856	0.8824	Electronics
8424	Mechanical appliances (whether or not hand operated) for projecting, dispersing or spraying liquids or powders; fire extinguishers, whether or not charged; spray guns and similar appliances; steam or sand blasting machines and similar jet projecting machi	0.0123	0.8789	Machinery
7020	Other articles of glass:	0.0095	0.8757	Stone
8716	Trailers and semi-trailers; other vehicles, not mechanically propelled; and parts thereof	0.0258	0.8742	Vehicles

HS 1992 Code	Product	RCA	PCI	Sectors
8503	Parts suitable for use solely or principally with the machines of heading 8501 or 8502:	0.0276	0.8657	Electronics
7211	Flat-rolled products of iron or nonalloy steel, of a width of less than 600 mm, not clad, plated or coated	0.1800	0.8619	Metals
4908	Transfers (decalcomanias)	0.0811	0.8604	Agriculture
4008	Plates, sheets, strip, rods and profile shapes, of vulcanized rubber other than hard rubber	0.0174	0.8557	Chemicals
3004	Medicaments (excluding goods of heading 3002, 3005 or 3006) consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses (including those in the form of transdermal administration systems) or in forms or packings	0.4060	0.8515	Chemicals
8308	Clasps, frames with clasps, buckles, buckle clasps, hooks, eyes, eyelets and the like and parts thereof, of base metal, of a kind used for clothing, footwear, awnings, handbags, travel goods or other made up articles; tubular or bifurcated rivets of base m	0.1960	0.8512	Metals
9029	Revolution counters, production counters, taximeters, odometers, pedometers and the like; speedometers and tachometers, other than those of heading 9014 or 9015; stroboscopes; parts and accessories thereof	0.0016	0.8495	Machinery
3001	Glands and other organs for organotherapeutic uses, dried, whether or not powdered; extracts of glands or other organs or of their secretions for organotherapeutic uses; heparin and its salts; other human or animal substances prepared for therapeutic or p	0.0108	0.8436	Chemicals
7419	Other articles of copper	0.0699	0.8404	Metals
7212	Flat-rolled products of iron or nonalloy steel, of a width of less than 600 mm, clad, plated or coated	0.3350	0.8392	Metals
8305	Fittings for looseleaf binders or files, letter clips, letter corners, paper clips, indexing tags and similar office articles, and parts thereof, of base metal; staples in strips (for example, for offices, upholstery, packaging), of base metal	0.1250	0.8375	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
8533	Electrical resistors (including rheostats and potentiometers), other than heating resistors; parts thereof	0.0037	0.8333	Electronics
8455	Metal-rolling mills and rolls therefor; parts thereof	0.0491	0.8318	Machinery
8511	Electrical ignition or starting equipment of a kind used for spark-ignition or compression-ignition internal combustion engines (for example, ignition magnetos, magneto-dynamos, ignition coils, spark plugs and glow plugs, starter motors); generators (for	0.0169	0.8317	Electronics
7205	Granules and powders, of pig iron, spiegeleisen, iron or steel	0.0346	0.8288	Metals
4801	Newsprint	0.0094	0.8272	Agriculture
9305	Parts and accessories of articles of headings 9301 to 9304	0.0625	0.8230	Machinery
6815	Articles of stone or of other mineral substances (including carbon fibers, articles of carbon fibers and articles of peat), not elsewhere specified or included	0.7990	0.8225	Stone
8434	Milking machines and dairy machinery, and parts thereof	0.1590	0.8213	Machinery
8412	Other engines and motors, and parts thereof	0.0092	0.8189	Machinery
8525	Transmission apparatus for radio-broadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras, digital cameras and video camera recorders	0.0092	0.8175	Electronics
3215	Printing ink, writing or drawing ink and other inks, whether or not concentrated or solid	0.0193	0.8139	Chemicals
8545	Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon, with or without metal, of a kind used for electrical purposes	0.0022	0.8110	Electronics
2917	Polycarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	0.4050	0.8081	Chemicals
2915	Saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and	0.0092	0.8033	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
	peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives			
8531	Electric sound or visual signaling apparatus (for example, bells, sirens, indicator panels, burglar or fire alarms), other than those of heading 8512 or 8530; parts thereof	0.0506	0.7987	Electronics
8706	Chassis fitted with engines, for the motor vehicles of headings 8701 to 8705:	0.0864	0.7976	Vehicles
2708	Pitch and pitch coke, obtained from coal tar or from other mineral tars	0.0010	0.7973	Minerals
8522	Parts and accessories suitable for use solely or principally with the apparatus of headings 8519 to 8521	0.0326	0.7952	Electronics
8411	Turbojets, turbo propellers and other gas turbines, and parts thereof	0.0778	0.7945	Machinery
8446	Weaving machines (looms)	0.9880	0.7933	Machinery
8417	Industrial or laboratory furnaces and ovens, including incinerators, nonelectric, and parts thereof	0.0518	0.7867	Machinery
6806	Slag wool, rock wool and similar mineral wools; exfoliated vermiculite, expanded clays, foamed slag and similar expanded mineral materials; mixtures and articles of heat-insulating, sound-insulating or sound-absorbing mineral materials, other than those of	0.0012	0.7858	Stone
3212	Pigments (including metallic powders and flakes) dispersed in nonaqueous media, in liquid or paste form, of a kind used in the manufacture of paints (including enamels); stamping foils; dyes and other coloring matter put up in forms or packings for retail	0.1970	0.7828	Chemicals
2902	Cyclic hydrocarbons	0.0009	0.7826	Chemicals
9004	Spectacles, goggles and the like, corrective, protective or other	0.2190	0.7730	Machinery
3207	Prepared pigments, prepared opacifiers and prepared colors, vitrifiable enamels and glazes, engobes (slips), liquid lustres and similar preparations, of a kind used in the ceramic, enamelling or glass industry; glass frit and other glass, in the form of p	0.0036	0.7723	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
7322	Radiators for central heating, not electrically heated, and parts thereof, of iron or steel; air heaters and hot air distributors (including distributors which can also distribute fresh or conditioned air), not electrically heated, incorporating a motor-d	0.0026	0.7720	Metals
7110	Platinum, unwrought or in semimanufactured forms, or in powder form	0.0058	0.7627	Stone
5309	Woven fabrics of flax	0.2130	0.7571	Textiles
2918	Carboxylic acids with additional oxygen function and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	0.0043	0.7564	Chemicals
8537	Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 8535 or 8536, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of chapter 90, and numeri	0.0087	0.7495	Electronics
9405	Lamps and lighting fittings including searchlights and spotlights and parts thereof, not elsewhere specified or included; illuminated signs, illuminated nameplates and the like, having a permanently fixed light source, and parts thereof not elsewhere spec	0.1510	0.7483	Textiles
2925	Carboxyimide-function compounds (including saccharin and its salts) and imine-function compounds	0.0102	0.7460	Chemicals
8521	Video recording or reproducing apparatus, whether or not incorporating a video tuner	0.0124	0.7451	Electronics
8707	Bodies (including cabs), for the motor vehicles of headings 8701 to 8705	0.0097	0.7423	Vehicles
7616	Other articles of aluminum	0.0710	0.7401	Metals
4009	Tubes, pipes and hoses, of vulcanized rubber other than hard rubber, with or without their fittings (for example, joints, elbows, flanges)	0.4950	0.7378	Chemicals
4016	Other articles of vulcanized rubber other than hard rubber	0.0439	0.7331	Chemicals
7208	Flat-rolled products of iron or nonalloy steel, of a width of 600 mm or more, hot-rolled, not clad, plated or coated	0.0073	0.7320	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
3918	Floor coverings of plastics, whether or not self-adhesive, in rolls or in the form of tiles; wall or ceiling coverings of plastics, as defined in note 9 to this chapter	0.1080	0.7304	Chemicals
3811	Antiknock preparations, oxidation inhibitors, gum inhibitors, viscosity improvers, anti-corrosive preparations and other prepared additives, for mineral oils (including gasoline) or for other liquids used for the same purposes as mineral oils	0.0104	0.7300	Chemicals
3404	Artificial waxes and prepared waxes	0.0102	0.7260	Chemicals
8711	Motorcycles (including mopeds) and cycles fitted with an auxiliary motor, with or without side-cars; side-cars	0.0779	0.7184	Vehicles
8423	Weighing machinery (excluding balances of a sensitivity of 5 cg or better), including weight-operated counting or checking machines; weighing machine weights of all kinds; parts of weighing machinery	0.0204	0.7180	Machinery
7409	Copper plates, sheets and strip, of a thickness exceeding 0.15 mm	0.0123	0.7176	Metals
8518	Microphones and stands therefor; loudspeakers, whether or not mounted in their enclosures; headphones and earphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers; audio-frequency electric ampli	0.0008	0.7173	Electronics
5602	Felt, whether or not impregnated, coated, covered or laminated	0.3380	0.7152	Textiles
8548	Waste and scrap of primary cells, primary batteries and electric storage batteries; spent primary cells, spent primary batteries and spent electric storage batteries; electrical parts of machinery or apparatus, not specified or included elsewhere in this	0.0016	0.7067	Electronics
8415	Air conditioning machines, comprising a motor-driven fan and elements for changing the temperature and humidity, including those machines in which the humidity cannot be separately regulated; parts thereof	0.0096	0.7050	Machinery
7008	Multiple-walled insulating units of glass	0.0069	0.7005	Stone

HS 1992 Code	Product	RCA	PCI	Sectors
8536	Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders and other connectors, junction boxes), for	0.0051	0.6962	Electronics
3916	Monofilament of which any cross-sectional dimension exceeds 1 mm, rods, sticks and profile shapes, whether or not surface-worked but not otherwise worked, of plastics	0.0129	0.6928	Chemicals
8311	Wire, rods, tubes, plates, electrodes and similar products of base metal or of metal carbides, coated or cored with flux material, of a kind used for soldering, brazing, welding or deposition of metal or of metal carbides; wire and rods, of agglomerated ba	0.0243	0.6891	Metals
7009	Glass mirrors, whether or not framed, including rear-view mirrors	0.0752	0.6790	Stone
4810	Paper and paperboard, coated on one or both sides with kaolin (China clay) or other inorganic substances, with or without a binder, and with no other coating, whether or not surface-colored, surface-decorated or printed, in rolls or rectangular (including	0.0995	0.6757	Agriculture
8403	Central heating boilers (other than those of heading 8402) and parts thereof	0.0013	0.6752	Machinery
8441	Other machinery for making up paper pulp, paper or paperboard, including cutting machines of all kinds, and parts thereof	0.0363	0.6739	Machinery
9005	Binoculars, monoculars, other optical telescopes, and mountings therefor; other astronomical instruments and mountings therefor, but not including instruments for radio-astronomy; parts and accessories thereof	0.3540	0.6728	Machinery
8535	Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, fuses, lightning arresters, voltage limiters, surge suppressors, plugs and other connectors, junction boxe	0.0043	0.6688	Electronics
8470	Calculating machines and pocket-size data recording, reproducing and displaying	0.0056	0.6673	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
	machines with calculating functions; accounting machines, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device; cash registers			
5902	Tire cord fabric of high tenacity yarn of nylon or other poly- amides, polyesters or viscose rayon	0.0451	0.6649	Textiles
8516	Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electrothermic hairdressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; elect	0.0039	0.6588	Electronics
8418	Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps, other than the air conditioning machines of heading 8415; parts thereof	0.0342	0.6579	Machinery
8432	Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports ground rollers; parts thereof	0.2780	0.6526	Machinery
3304	Beauty or make-up preparations and preparations for the care of the skin (other than medicaments), including sunscreen or sun tan preparations; manicure or pedicure preparations	0.1130	0.6521	Chemicals
1514	Rapeseed, colza or mustard oil, and fractions thereof, whether or not refined, but not chemically modified	0.3380	0.6518	Agriculture
9020	Other breathing appliances and gas masks, excluding protective masks having neither mechanical parts nor replaceable filters; parts and accessories thereof:	0.0264	0.6490	Machinery
8607	Parts of railway or tramway locomotives or rolling stock	0.0039	0.6488	Vehicles
8409	Parts suitable for use solely or principally with the engines of heading 8407 or 8408	0.0369	0.6469	Machinery
8509	Electromechanical domestic appliances, with self-contained electric motor, other than vacuum cleaners of heading 8508; parts thereof	0.0024	0.6466	Electronics

HS 1992 Code	Product	RCA	PCI	Sectors
9207	Musical instruments, the sound of which is produced, or must be amplified, electrically (for example, organs, guitars, accordions)	0.0107	0.6360	Machinery
9025	Hydrometers and similar floating instruments, thermometers, pyrometers, barometers, hygrometers and psychrometers, recording or not, and any combination of these instruments; parts and accessories thereof	0.0468	0.6340	Machinery
3816	Refractory cements, mortars, concretes except graphite	0.0096	0.6296	Chemicals
7007	Safety glass, consisting of toughened (tempered) or laminated glass	0.0022	0.6268	Stone
7411	Copper tubes and pipes	0.0014	0.6221	Metals
9105	Other clocks	0.0466	0.6220	Machinery
3006	Pharmaceutical goods specified in note 4 to this chapter	0.2430	0.6197	Chemicals
3214	Glaziers' putty, grafting putty, resin cements, caulking compounds and other mastics; painters' fillings; nonrefractory surfacing preparations for facades, indoor walls, floors, ceilings or the like	0.0678	0.6155	Chemicals
8450	Household- or laundry-type washing machines, including machines which both wash and dry; parts thereof	0.0348	0.6099	Machinery
9608	Ball point pens; felt tipped and other porous-tipped pens and markers; fountain pens, stylograph pens and other pens; duplicating styli; propelling or sliding pencils (for example, mechanical pencils); pen-holders, pencil-holders and similar holders; part	0.1080	0.6083	Machinery
6902	Refractory bricks, blocks, tiles and similar refractory ceramic constructional goods, other than those of siliceous fossil meals or similar siliceous earths	0.1740	0.6012	Stone
4809	Carbon paper, self-copy paper and other copying or transfer papers (including coated or impregnated paper for duplicator stencils or offset plates), whether or not printed, in rolls or sheets	0.0175	0.6006	Agriculture
3921	Other plates, sheets, film, foil and strip, of plastics	0.0253	0.5991	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
8519	Sound recording or reproducing apparatus	0.0006	0.5987	Electronics
9028	Gas, liquid or electricity supply or production meters, including calibrating meters thereof; parts and accessories thereof	0.0873	0.5947	Machinery
8529	Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528	0.0806	0.5913	Electronics
3208	Paints and varnishes (including enamels and lacquers) based on synthetic polymers or chemically modified natural polymers, dispersed or dissolved in a nonaqueous medium; solutions as defined in note 4 to this chapter	0.3030	0.5902	Chemicals
7607	Aluminum foil (whether or not printed, or backed with paper, paperboard, plastics or similar backing materials) of a thickness (excluding any backing) not exceeding 0.2 mm	0.0434	0.5862	Metals
8438	Machinery, not specified or included elsewhere in this chapter, for the industrial preparation or manufacture of food or drink, other than machinery for the extraction or preparation of animal or fixed vegetable fats or oils; parts thereof	0.3640	0.5858	Machinery
9101	Wrist watches, pocket watches and other watches, including stop watches, with case of precious metal or of metal clad with precious metal	0.0013	0.5831	Machinery
5112	Woven fabrics of combed wool or of combed fine animal hair	0.0232	0.5807	Textiles
8704	Motor vehicles for the transport of goods	0.0009	0.5736	Vehicles
9102	Wrist watches, pocket watches and other watches, including stopwatches, other than those of heading 9101	0.0406	0.5718	Machinery
7308	Structures (excluding prefabricated buildings of heading 9406) and parts of structures (for example, bridges and bridge sections, lock gates, towers, lattice masts, roofs, roofing frameworks, doors and windows and their frames and thresholds for doors, sh	0.0156	0.5685	Metals
3904	Polymers of vinyl chloride or of other halogenated olefins, in primary forms	0.6690	0.5667	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
3926	Other articles of plastics and articles of other materials of headings 3901 to 3914	0.1950	0.5667	Chemicals
3206	Other coloring matter; preparations as specified in note 3 to this chapter, other than those of heading 3203, 3204 or 3205; inorganic products of a kind used as luminophores, whether or not chemically defined	0.0397	0.5633	Chemicals
3504	Peptones and their derivatives; other protein substances and their derivatives, not elsewhere specified or included; hide powder, whether or not chromed	0.0261	0.5610	Chemicals
7019	Glass fibers (including glass wool) and articles thereof (for example, yarn, woven fabrics)	0.0065	0.5577	Stone
8442	Machinery, apparatus and equipment (other than the machine tools of headings 8456 to 8465), for preparing or making plates, cylinders or other printing components; plates, cylinders and other printing components; plates, cylinders and lithographic stones,	0.0443	0.5570	Machinery
9306	Bombs, grenades, torpedoes, mines, missiles and similar munitions of war and parts thereof; cartridges and other ammunition and projectiles and parts thereof, including shot and cartridge wads	0.4560	0.5547	Machinery
8527	Reception apparatus for radio broadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock	0.0010	0.5509	Electronics
5404	Synthetic monofilament of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm; strip and the like (for example, artificial straw) of synthetic textile materials of an apparent width not exceeding 5 mm	0.1050	0.5484	Textiles
5107	Yarn of combed wool, not put up for retail sale	0.0020	0.5467	Textiles
8429	Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers	0.0103	0.5341	Machinery
5111	Woven fabrics of carded wool or of carded fine animal hair	0.0311	0.5300	Textiles

HS 1992 Code	Product	RCA	PCI	Sectors
6702	Artificial flowers, foliage and fruit and parts thereof; articles made of artificial flowers, foliage or fruit	0.0250	0.5269	Textiles
4002	Synthetic rubber and factice derived from oils, in primary forms or in plates, sheets or strip; mixtures of any product of heading 4001 with any product of this heading, in primary forms or in plates, sheets or strip	0.0067	0.5168	Chemicals
2826	Fluorides; fluorosilicates, fluoroaluminates and other complex fluorine salts	0.0037	0.5166	Chemicals
9503	Labeled for use by other persons	0.0397	0.5137	Machinery
3809	Finishing agents, dye carriers to accelerate the dyeing or fixing of dyestuffs and other products and preparations (for example, dressings and mordants), of a kind used in the textile, paper, leather or like industries, not elsewhere specified or included	0.2680	0.5130	Chemicals
404	Whey, whether or not concentrated or containing added sugar or other sweetening matter; products consisting of natural milk constituents, whether or not containing added sugar or other sweetening matter, not elsewhere specified or included	0.0074	0.5055	Agriculture
8474	Machinery for sorting, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone, ores or other mineral substances, in solid (including powder or paste) form; machinery for agglomerating, shaping or molding solid mineral fuels, c	0.0251	0.5032	Machinery
4911	Other printed matter, including printed pictures and photographs	0.0360	0.5022	Agriculture
9403	Other furniture and parts thereof	0.0501	0.4989	Textiles
8452	Sewing machines, other than book-sewing machines of heading 8440; furniture, bases and covers specially designed for sewing machines; sewing machine needles; parts thereof	0.1530	0.4953	Machinery
7304	Tubes, pipes and hollow profiles, seamless, of iron (other than cast iron) or steel	0.0159	0.4916	Metals
5403	Artificial filament yarn (other than sewing thread), not put up for retail sale, including artificial monofilament of less than 67 decitex	0.5070	0.4872	Textiles

HS 1992 Code	Product	RCA	PCI	Sectors
4012	Retreaded or used pneumatic tires of rubber; solid or cushion tires, tire treads and tire flaps, of rubber	0.0437	0.4835	Chemicals
7227	Bars and rods, hot-rolled, in irregularly wound coils, of other alloy steel	0.0001	0.4718	Metals
5504	Artificial staple fibers, not carded, combed or otherwise processed for spinning	0.0020	0.4714	Textiles
3922	Baths, shower baths, sinks, washbasins, bidets, lavatory pans, seats and covers, flushing cisterns and similar sanitary ware, of plastics	0.0559	0.4710	Chemicals
9019	Mechano-therapy appliances; massage apparatus; psychological aptitude-testing apparatus; ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic respiration apparatus; parts and accessories thereof	0.1900	0.4661	Machinery
5801	Woven pile fabrics and chenille fabrics, other than fabrics of heading 5802 or 5806	0.8630	0.4646	Textiles
7907	Other articles of zinc:	0.1430	0.4610	Metals
9607	Slide fasteners and parts thereof	0.1870	0.4578	Machinery
8447	Knitting machines, stitch-bonding machines and machines for making gimped yarn, tulle, lace, embroidery, trimmings, braid or net and machines for tufting	0.0078	0.4572	Machinery
2901	Acyclic hydrocarbons	0.0001	0.4571	Chemicals
7606	Aluminum plates, sheets and strip, of a thickness exceeding 0.2 mm	0.0030	0.4555	Metals
8540	Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof	0.0029	0.4548	Electronics
8108	Titanium and articles thereof, including waste and scrap	0.0214	0.4542	Metals
9023	Instruments, apparatus and models, designed for demonstrational purposes (for example, in education or exhibitions), unsuitable for other uses, and parts and accessories thereof	0.1200	0.4504	Machinery
7324	Sanitary ware and parts thereof, of iron or steel	0.0711	0.4485	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
2923	Quaternary ammonium salts and hydroxides; lecithins and other phosphoaminolipids, whether or not chemically defined	0.0009	0.4482	Chemicals
3505	Dextrins and other modified starches (for example, pregelatinized or esterified starches); glues based on starches, or on dextrins or other modified starches	0.9820	0.4452	Chemicals
4014	Hygienic or pharmaceutical articles (including nursing nipples), of vulcanized rubber other than hard rubber, with or without fittings of hard rubber	0.0103	0.4423	Chemicals
6810	Articles of cement, of concrete or of artificial stone, whether or not reinforced	0.0876	0.4413	Stone
8101	Tungsten (wolfram) and articles thereof, including waste and scrap	0.5790	0.4263	Metals
8528	Monitors and projectors, not incorporating television reception apparatus; reception apparatus for television, whether or not incorporating radio-broadcast receivers or sound or video recording or reproducing apparatus	0.0105	0.4247	Electronics
4802	Uncoated paper and paperboard, of a kind used for writing, printing or other graphic purposes, and non perforated punch-cards and punch tape paper, in rolls or rectangular (including square) sheets, of any size, other than paper of heading 4801 or 4803; h	0.0207	0.4199	Agriculture
4901	Printed books, brochures, leaflets and similar printed matter, whether or not in single sheets	0.1430	0.4195	Agriculture
9003	Frames and mountings for spectacles, goggles or the like, and parts thereof	0.0021	0.4186	Machinery
3920	Other plates, sheets, film, foil and strip, of plastics, noncellular and not reinforced, laminated, supported or similarly combined with other materials	0.6020	0.4184	Chemicals
6506	Other headgear, whether or not lined or trimmed	0.6220	0.4168	Textiles
4415	Packing cases, boxes, crates, drums and similar packings, of wood; cable-drums, of wood; pallets, box-pallets and other load boards, of wood; pallet collars of wood	0.0331	0.4140	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
4814	Wallpaper and similar wallcoverings; window transparencies of paper	0.0427	0.4118	Agriculture
7115	Other articles of precious metal or of metal clad with precious metal	0.3220	0.3969	Stone
7018	Glass beads, imitation pearls, imitation precious or semiprecious stones and similar glass smallwares and articles thereof other than imitation jewelry; glass eyes other than prosthetic articles; statuettes and other ornaments of lamp-worked glass, other	0.1830	0.3947	Stone
7610	Aluminum structures (excluding prefabricated buildings of heading 9406) and parts of structures (for example, bridges and bridge-sections, towers, lattice masts, roofs, roofing frameworks, doors and windows and their frames and thresholds for doors, balus	0.0175	0.3914	Metals
3406	Candles, tapers and the like	0.0084	0.3878	Chemicals
4011	New pneumatic tires, of rubber	0.1510	0.3869	Chemicals
3902	Polymers of propylene or of other olefins, in primary forms	0.0237	0.3864	Chemicals
7325	Other cast articles of iron or steel	0.0832	0.3706	Metals
7224	Other alloy steel in ingots or other primary forms; semi- finished products of other alloy steel	0.0012	0.3694	Metals
2507	Kaolin and other kaolinic clays, whether or not calcined	0.4860	0.3693	Minerals
3305	Preparations for use on the hair	0.4100	0.3670	Chemicals
8426	Ships' derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane	0.0181	0.3615	Machinery
7228	Other bars and rods of other alloy steel; angles, shapes and sections, of other alloy steel; hollow drill bars and rods, of alloy or non-alloy steel	0.0022	0.3536	Metals
7323	Table, kitchen or other household articles and parts thereof, of iron or steel; iron or steel wool; pot scourers and scouring or polishing pads, gloves and the like, of iron or steel	0.1780	0.3465	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
6912	Ceramic tableware, kitchenware, other household articles and toilet articles, other than of porcelain or china:	0.2360	0.3395	Stone
3307	Pre-shave, shaving or after-shave preparations, personal deodorants, bath preparations, depilatories and other perfumery, cosmetic or toilet preparations, not elsewhere specified or included; prepared room deodorizers, whether or not perfumed	0.3670	0.3362	Chemicals
9613	Cigarette lighters and other lighters, whether or not mechanical or electrical, and parts thereof other than flints and wicks	0.0003	0.3279	Machinery
7210	Flat-rolled products of iron or nonalloy steel, of a width of 600 mm or more, clad, plated or coated	0.7240	0.3249	Metals
2815	Sodium hydroxide (Caustic soda); potassium hydroxide (Caustic potash); peroxides of sodium or potassium	0.3230	0.3155	Chemicals
9303	Other firearms and similar devices which operate by the firing of an explosive charge (for example, sporting shot-guns and rifles, muzzle-loading firearms, Very pistols and other devices designed to project only signal flares, pistols and revolvers for fi	0.0018	0.3148	Machinery
4823	Other paper, paperboard, cellulose wadding and webs of cellulose fibers, cut to size or shape; other articles of paper pulp, paper, paperboard, cellulose wadding or webs of cellulose fibers	0.0851	0.3107	Agriculture
8803	Parts of goods of heading 8801or 8802	0.1570	0.3008	Vehicles
9015	Surveying (including photogrammetrical surveying), hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances, excluding compasses; rangefinders; parts and accessories thereof	0.0380	0.3003	Machinery
6601	Umbrellas and sun umbrellas (including walking-stick umbrellas, garden umbrellas and similar umbrellas)	0.0189	0.2895	Textiles
5503	Synthetic staple fibers, not carded, combed or otherwise processed for spinning	0.8100	0.2799	Textiles

HS 1992 Code	Product	RCA	PCI	Sectors
3306	Preparations for oral or dental hygiene, including denture fixative pastes and powders; yarn used to clean between the teeth (dental floss), in individual retail packages	0.0876	0.2776	Chemicals
2821	Iron oxides and hydroxides; earth colors containing 70 percent or more by weight of combined iron evaluated as Fe ₂ O ₃	0.0275	0.2722	Chemicals
9401	Seats (other than those of heading 9402), whether or not convertible into beds, and parts thereof	0.0091	0.2538	Textiles
7309	Tanks etc, over 300 liter capacity, iron or steel	0.0066	0.2525	Metals
7117	Imitation jewelry	0.0676	0.2386	Stone
5501	Synthetic filament tow	0.0650	0.2351	Textiles
1601	Sausages and similar products, of meat, meat offal or blood; food preparations based on these products	0.0028	0.2307	Agriculture
4418	Builders' joinery and carpentry of wood, including cellular wood panels and assembled flooring panels; shingles and shakes	0.0077	0.2272	Agriculture
3303	Perfumes and toilet waters	0.0356	0.2269	Chemicals
9006	Photographic (other than cinematographic) cameras; photographic flashlight apparatus and flashbulbs other than discharge lamps of heading 8539; parts and accessories thereof	0.0007	0.2264	Machinery
4303	Articles of apparel, clothing accessories and other articles of furskin	0.4760	0.2239	Agriculture
7013	Glassware of a kind used for table, kitchen, toilet, office, indoor decoration or similar purposes (other than that of heading 7010 or 7018)	0.4680	0.2238	Stone
9701	Paintings, drawings and pastels, executed entirely by hand, other than drawings of heading 4906 and other than hand-painted or hand-decorated manufactured articles; collages and similar decorative plaques; all therefore going framed or not framed	0.0837	0.2179	Textiles
3925	Builders' ware of plastics, not elsewhere specified or included	0.0101	0.2176	Chemicals
7608	Aluminum tubes and pipes	0.0011	0.2103	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
1518	Animal or vegetable fats and oils and their fractions, boiled, oxidized, dehydrated, sulfurized, blown, polymerized by heat in vacuum or in inert gas or otherwise chemically modified, excluding those of heading 1516; inedible mixtures or preparations of a	0.0413	0.2099	Agriculture
3402	Organic surface-active agents (other than soap); surface-active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap, other than those of heading 3401	0.3640	0.2042	Chemicals
8513	Portable electric lamps designed to function by their own source of energy (for example, dry batteries, storage batteries, magnetos), other than lighting equipment of heading 8512; parts thereof	0.0126	0.2026	Electronics
3501	Casein, caseinates and other casein derivatives; casein glues	0.0084	0.1991	Chemicals
7113	Articles of jewelry and parts thereof, of precious metal or of metal clad with precious metal	0.1870	0.1940	Stone
6813	Friction material and articles thereof (for example, sheets, rolls, strips, segments, discs, washers, pads), not mounted, for brakes, for clutches or the like, with a basis of asbestos, of other mineral substances or of cellulose, whether or not combined	0.0294	0.1919	Stone
2849	Carbides, whether or not chemically defined	0.0006	0.1917	Chemicals
7312	Stranded wire, ropes, cables, plaited bands, slings and the like, of iron or steel, not electrically insulated	0.0227	0.1904	Metals
1806	Chocolate and other food preparations containing cocoa	0.0665	0.1864	Agriculture
2707	Oils and other products of the distillation of high temperature coal tar; similar products in which the weight of the aromatic constituents exceeds that of the nonaromatic constituents	0.0017	0.1785	Minerals
2106	Food preparations not elsewhere specified or included	0.9900	0.1677	Agriculture
7321	Stoves, ranges, grates, cookers (including those with subsidiary boilers for central heating),	0.0673	0.1525	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
	barbecues, braziers, gas rings, plate warmers and similar nonelectric domestic appliances, and parts thereof, of iron or steel			
9406	Prefabricated buildings:	0.0946	0.1497	Textiles
3802	Activated carbon; activated natural mineral products; animal black, including spent animal black	0.1900	0.1490	Chemicals
8309	Stoppers, caps and lids (including crown corks, screw caps and pouring stoppers),capsules for bottles, threaded bungs, bung covers, seals and other packing accessories, and parts thereof, of base metal	0.0089	0.1441	Metals
4808	Paper and paperboard, corrugated (with or without glued flat surface sheets), creped, crinkled, embossed or perforated, in rolls or sheets, other than paper of the kind described in heading 4803	0.4500	0.1414	Agriculture
5402	Synthetic filament yarn (other than sewing thread), not put up for retail sale, including synthetic monofilament of less than 67 decitex	0.9270	0.1411	Textiles
2003	Mushrooms and truffles, prepared or preserved otherwise than by vinegar or acetic acid	0.0758	0.1407	Agriculture
8405	Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their purifiers; parts thereof	0.1080	0.1391	Machinery
7314	Cloth (including endless bands), grill, netting and fencing, of iron or steel wire; expanded metal of iron or steel	0.0062	0.1334	Metals
4821	Paper and paperboard labels of all kinds, whether or not printed	0.1740	0.1273	Agriculture
1602	Other prepared or preserved meat, meat offal or blood	0.1170	0.1208	Agriculture
3302	Mixtures of odoriferous substances and mixtures (including alcoholic solutions) with a basis of one or more of these substances, of a kind used as raw materials in industry; other preparations based on odoriferous substances, of a kind used for the manufa	0.1110	0.1190	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
3209	Paints and varnishes (including enamels and lacquers) based on synthetic polymers or chemically modified natural polymers, dispersed or dissolved in an aqueous medium	0.4800	0.1172	Chemicals
2712	Petroleum jelly; paraffin wax, microcrystalline petroleum wax, slack wax, ozokerite, lignite wax, peat wax, other mineral waxes and similar products obtained by synthesis or by other processes, whether or not colored	0.0243	0.1132	Minerals
8802	Other aircraft (for example, helicopters, airplanes); spacecraft (including satellites) and suborbital and spacecraft launch vehicles	0.3260	0.1129	Vehicles
1901	Malt extract; food preparations of flour, groats, meal, starch or malt extract, not containing cocoa or containing less than 40 percent by weight of cocoa calculated on a totally defatted basis, not elsewhere specified or included; food preparations of go	0.4220	0.1127	Agriculture
2807	Sulfuric acid; oleum	0.0361	0.1070	Chemicals
8702	Motor vehicles for the transport of ten or more persons, including the driver	0.0020	0.1050	Vehicles
101	Live horses, asses, mules or hinnies	0.4330	0.1019	Agriculture
3808	Insecticides, rodenticides, fungicides, herbicides, antisprouting products and plant-growth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparations or articles (for example, sulfur-treated bands, wick	0.0574	0.0996	Chemicals
3405	Polishes and creams, for footwear, furniture, floors, coachwork, glass or metal, scouring pastes and powders and similar preparations (whether or not in the form of paper, wadding, felt, nonwovens, cellular plastics or cellular rubber, impregnated, coated	0.3560	0.0991	Chemicals
4410	Particle board, oriented strand board (OSB) and similar board (for example, waferboard) of wood or other ligneous materials, whether or not agglomerated with resins or other organic binding substances	0.1140	0.0985	Agriculture
8201	Hand tools of the following kinds and base metal parts thereof spades, shovels, mattocks, picks, hoes, forks and rakes; axes, bill hooks	0.4920	0.0904	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
	and similar hewing tools; secateurs and pruners of any kind; scythes, sickles, hay knives, hedge shears, timber wedges			
8712	Bicycles and other cycles (including delivery tricycles), not motorized:	0.0027	0.0895	Vehicles
9606	Buttons, press-fasteners, snap-fasteners and press-studs, button molds and other parts of these articles; button blanks	0.1710	0.0857	Machinery
9113	Watch straps, watch bands and watch bracelets, and parts thereof	0.0046	0.0749	Machinery
8502	Electric generating sets and rotary converters	0.0755	0.0676	Electronics
3901	Polymers of ethylene, in primary forms	0.0569	0.0663	Chemicals
3817	Mixed alkylbenzenes and mixed alkylnaphthalenes, other than those of heading 2707 or 2902	0.0070	0.0648	Chemicals
8402	Steam or other vapor generating boilers (other than central heating hot water boilers capable also of producing low pressure steam); super-heated water boilers; parts thereof	0.5520	0.0644	Machinery
405	Butter and other fats and oils derived from milk; dairy spreads	0.0448	0.0528	Agriculture
8215	Spoons, forks, ladles, skimmers, cake-servers, fish-knives, butter-knives, sugar tongs and similar kitchen or tableware; and base metal parts thereof	0.3970	0.0509	Metals
3923	Articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps and other closures, of plastics	0.1140	0.0431	Chemicals
4813	Cigarette paper, whether or not cut to size or in the form of booklets or tubes	0.0815	0.0319	Agriculture
4817	Envelopes, letter cards, plain postcards and correspondence cards, of paper or paperboard; boxes, pouches, wallets and writing compendiums, of paper or paperboard, containing an assortment of paper stationery	0.0730	0.0212	Agriculture
7209	Flat-rolled products of iron or nonalloy steel, of a width of 600 mm or more, cold-rolled (cold-reduced), not clad, plated or coated	0.9700	0.0155	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
401	Milk and cream, not concentrated nor containing added sugar or other sweetening matter	0.3840	0.0102	Agriculture
2909	Ethers, ether-alcohols, ether-phenols, ether-alcohol-phenols, alcohol peroxides, ether peroxides, ketone peroxides (whether or not chemically defined), and their halogenated, sulfonated, nitrated or nitrosated derivatives	0.0017	0.0028	Chemicals
207	Meat and edible offal, of the poultry of heading 0105, fresh, chilled or frozen	0.0643	-0.0022	Agriculture
2835	Phosphinates (hypophosphites), phosphonates (phosphites) and phosphates; polyphosphates, whether or not chemically defined	0.2240	-0.0048	Chemicals
406	Cheese and curd	0.0014	-0.0080	Agriculture
2303	Residues of starch manufacture and similar residues, beet-pulp, bagasse and other waste of sugar manufacture, brewing or distilling dregs and waste, whether or not in the form of pellets	0.3340	-0.0126	Agriculture
4205	Other articles of leather or of composition leather	0.9470	-0.0132	Agriculture
6807	Articles of asphalt or of similar material (for example, petroleum bitumen or coal tar pitch)	0.0029	-0.0172	Stone
3917	Tubes, pipes and hoses and fittings therefor (for example, joints, elbows, flanges), of plastics	0.0258	-0.0189	Chemicals
8705	Special purpose motor vehicles, other than those principally designed for the transport of persons or goods (for example, wreckers, mobile cranes, fire fighting vehicles, concrete mixers, road sweepers, spraying vehicles, mobile workshops, mobile radiologi	0.3990	-0.0210	Vehicles
4805	Other uncoated paper and paperboard, in rolls or sheets, not further worked or processed than as specified in note 3 to this chapter	0.1980	-0.0251	Agriculture
7004	Drawn glass and blown glass, in sheets, whether or not having an absorbent, reflecting or non-reflecting layer, but not otherwise worked	0.0554	-0.0272	Stone
9603	Brooms, brushes (including brushes constituting parts of machines, appliances or	0.4420	-0.0291	Machinery

HS 1992 Code	Product	RCA	PCI	Sectors
	vehicles), hand-operated mechanical floor sweepers, not motorized, mops and feather dusters; prepared knots and tufts for broom or brush making; paint pads and rollers;squeege			
8478	Machinery for preparing or making up tobacco, not specified or included elsewhere in this chapter; parts thereof	0.6970	-0.0345	Machinery
5806	Narrow woven fabrics, other than goods of heading 5807; narrow fabrics consisting of warp without weft assembled by means of an adhesive (bolducs)	0.6420	-0.0368	Textiles
2811	Other inorganic acids and other inorganic oxygen compounds of nonmetals	0.0445	-0.0506	Chemicals
7215	Other bars and rods of iron or nonalloy steel	0.0089	-0.0597	Metals
6911	Tableware, kitchenware, other household articles and toilet articles, of porcelain or china	0.1060	-0.0720	Stone
5703	Carpets and other textile floor coverings, tufted, whether or not made up	0.2020	-0.0805	Textiles
8437	Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables, and parts thereof; machinery used in the milling industry or for the working of cereals or dried leguminous vegetables, other than farm type machinery; parts thereof	0.0975	-0.0861	Machinery
7303	Tubes, pipes and hollow profiles, of cast iron	0.0010	-0.0893	Metals
9505	Festive, carnival or other entertainment articles, including magic tricks and practical joke articles; parts and accessories thereof	0.0228	-0.1010	Machinery
3806	Rosin and resin acids, and derivatives thereof; rosin spirit and rosin oils; run gums	0.0007	-0.1087	Chemicals
4804	Uncoated kraft paper and paperboard, in rolls or sheets, other than that of heading 4802 or 4803	0.1590	-0.1135	Agriculture
2105	Ice cream and other edible ice, whether or not containing cocoa	0.0468	-0.1209	Agriculture
3823	Industrial monocarboxylic fatty acids; acid oils from refining; industrial fatty alcohols	0.2170	-0.1235	Chemicals
4818	Toilet paper and similar paper, cellulose wadding or webs of cellulose fibers, of a kind used for household or sanitary purposes, in	0.2750	-0.1282	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
	rolls of a width not exceeding 36 cm, or cut to size or shape; handkerchiefs, cleansing tissues, towels, tablecloths			
6913	Statuettes and other ornamental ceramic articles	0.1870	-0.1357	Stone
2833	Sulfates; alums; peroxosulfates (persulfates)	0.0077	-0.1369	Chemicals
4015	Articles of apparel and clothing accessories (including gloves, mittens and mitts), for all purposes, of vulcanized rubber other than hard rubber	0.2110	-0.1454	Chemicals
8410	Hydraulic turbines, water wheels and regulators therefor; parts thereof	0.0045	-0.1508	Machinery
1003	Barley	0.0223	-0.1582	Agriculture
1001	Wheat and meslin	0.0003	-0.1749	Agriculture
8544	Insulated(including enameled or anodized) wire, cable (including coaxial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fiber cables, made up of individually sheathed fibers, whether or not assembled with el	0.0159	-0.1871	Electronics
4414	Wooden frames for paintings, photographs, mirrors or similar objects	0.1650	-0.1896	Agriculture
4421	Other articles of wood	0.0583	-0.1946	Agriculture
105	Live poultry of the following kinds Chickens, ducks, geese, turkeys and guineas	0.8460	-0.2014	Agriculture
5401	Sewing thread of man-made filaments, whether or not put up for retail sale	0.6090	-0.2058	Textiles
4707	Recovered (waste and scrap) paper and paperboard	0.0206	-0.2106	Agriculture
8907	Other floating structures (for example, rafts, tanks, cofferdams, landing-stages,buoys and beacons)	0.0259	-0.2141	Vehicles
1905	Bread, pastry, cakes, biscuits and other bakers' wares, whether or not containing cocoa; communion wafers, empty capsules of a kind suitable for pharmaceutical use, sealing wafers, rice paper and similar products	0.6470	-0.2240	Agriculture
4909	Printed or illustrated postcards; printed cards bearing personal greetings, messages or	0.0078	-0.2251	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
	announcements, whether or not illustrated, with or without envelopes or trimmings:			
403	Buttermilk, curdled milk and cream, yogurt, kephir and other fermented or acidified milk and cream, whether or not concentrated or containing added sugar or other sweetening matter or flavored or containing added fruit, nuts or cocoa	0.4420	-0.2294	Agriculture
2827	Chlorides, chloride oxides and chloride hydroxides; bromides and bromide oxides; iodides and iodide oxides	0.4900	-0.2496	Chemicals
7311	Containers for compressed or liquified gas	0.1030	-0.2577	Metals
2841	Salts of oxometallic or peroxometallic acids	0.0004	-0.2613	Chemicals
2519	Natural magnesium carbonate (magnesite); fused magnesia; dead-burned (sintered) magnesia, whether or not containing small quantities of other oxides added before sintering; other magnesium oxide, whether or not pure	0.3760	-0.2734	Minerals
8903	Yachts and other vessels for pleasure or sports; row boats and canoes	0.0059	-0.2773	Vehicles
2517	Pebbles, gravel, broken or crushed stone, of a kind commonly used for concrete aggregates, for road metalling, or for railway or other ballast; shingle and flint, whether or not heat-treated; macadam of slag, dross or similar industrial waste, whether or	0.0901	-0.2841	Minerals
7604	Aluminum bars, rods and profiles	0.0063	-0.2872	Metals
4401	Fuel wood, in logs, in billets, in twigs, in faggots or in similar forms; wood in chips or particles; sawdust and wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms	0.0098	-0.3002	Agriculture
2904	Sulfonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated	0.0913	-0.3030	Chemicals
4202	Trunks, suitcases, vanity cases, attache cases, briefcases, school satchels, spectacle cases, binocular cases, camera cases, musical instrument cases, gun cases, holsters and	0.6260	-0.3143	Agriculture
7901	Unwrought zinc	0.0023	-0.3215	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
6809	Articles of plaster or of compositions based on plaster	0.0926	-0.3336	Stone
7408	Copper wire	0.1640	-0.3390	Metals
7216	Angles, shapes and sections of iron or nonalloy steel	0.0059	-0.3527	Metals
7217	Wire of iron or nonalloy steel	0.0271	-0.3635	Metals
6801	Setts, curbstones and flagstones, of natural stone (except slate)	0.4360	-0.3669	Stone
8609	Containers (including containers for the transport of fluids) specially designed and equipped for carriage by one or more modes of transport	0.0131	-0.3719	Vehicles
8306	Bells, gongs and the like, nonelectric, of base metal; statuettes and other ornaments, of base metal; photograph, picture or similar frames, of base metal; mirrors of base metal; and base metal parts thereof	0.1750	-0.3864	Metals
4803	Toilet or facial tissue stock, towel or napkin stock and similar paper of a kind used for household or sanitary purposes, cellulose wadding and webs of cellulose fibers, whether or not creped, crinkled, embossed, perforated, surface-colored, surface decor	0.0980	-0.3915	Agriculture
2203	In containers each holding over 4 liters	0.0010	-0.3937	Agriculture
7317	Nails, tacks, drawing pins, corrugated nails, staples (other than those of heading 8305) and similar articles, of iron or steel, whether or not with heads of other material, but excluding such articles with heads of copper:	0.0036	-0.3971	Metals
2201	Waters, including natural or artificial mineral waters and aerated waters, not containing added sugar or other sweetening matter nor flavored; ice and snow	0.0193	-0.4017	Agriculture
7213	Bars and rods, hot-rolled, in irregularly wound coils, of iron or nonalloy steel	0.1230	-0.4041	Metals
6001	Pile fabrics, including long pile fabrics and terry fabrics, knitted or crocheted	0.7700	-0.4081	Textiles
2825	Hydrazine and hydroxylamine and their inorganic salts; other inorganic bases; other metal oxides, hydroxides and peroxides	0.0139	-0.4180	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
4302	Tanned or dressed furskins (including heads, tails, paws and other pieces or cuttings), unassembled, or assembled (without the addition of other materials) other than those of heading 4303	0.0487	-0.4276	Agriculture
2102	Yeasts (active or inactive); other single-cell microorganisms, dead (but not including vaccines of heading 3002); prepared baking powders	0.0138	-0.4300	Agriculture
1904	Prepared foods obtained by the swelling or roasting of cereals or cereal products (for example, cornflakes); cereals (other than corn (maize)) in grain form or in the form of flakes or other worked grains (except flour, groats and meal)	0.1350	-0.4398	Agriculture
7206	Iron and nonalloy steel in ingots or other primary forms (excluding iron of heading 7203)	0.0296	-0.4488	Metals
7413	Stranded wire, cables, plaited bands and the like, including slings and similar articles, of copper, not electrically insulated:	0.0530	-0.4523	Metals
6404	Footwear with outer soles of rubber, plastics, leather or composition leather and uppers of textile materials	0.0964	-0.4640	Textiles
8001	Unwrought tin	0.0079	-0.4694	Metals
9507	Fishing rods, fish hooks and other line fishing tackle; fish landing nets, butterfly nets and similar nets; decoy birds (other than those of heading 9208 or 9705) and similar hunting or shooting equipment; parts and accessories thereof	0.1130	-0.4749	Machinery
9703	Original sculptures and statuary, in any material	0.0684	-0.4758	Textiles
4819	Cartons, boxes, cases, bags and other packing containers, of paper, paperboard, cellulose wadding or webs of cellulose fibers; box files, letter trays and similar articles, of paper or paperboard of a kind used in offices, shops or the like	0.1920	-0.4764	Agriculture
2202	Waters, including mineral waters and aerated waters, containing added sugar or other sweetening matter or flavored, and other	0.2100	-0.5044	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
	nonalcoholic beverages, not including fruit or vegetable juices of heading 2009			
705	Lettuce (<i>Lactuca sativa</i>) and chicory (<i>Cichorium</i> spp.), fresh or chilled	0.0066	-0.5184	Agriculture
2905	Acyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives	0.0198	-0.5214	Chemicals
2103	Sauces and preparations therefor; mixed condiments and mixed seasonings; mustard flour and meal and prepared mustard	0.6300	-0.5305	Agriculture
2208	Undenatured ethyl alcohol of an alcoholic strength by volume of less than 80 percent vol.; spirits, liqueurs and other spirituous beverages	0.0001	-0.5407	Agriculture
2844	Radioactive chemical elements and radioactive isotopes (including the fissile or fertile chemical elements and isotopes) and their compounds; mixtures and residues containing these products	0.0001	-0.5475	Chemicals
2101	Extracts, essences and concentrates, of coffee, tea or mate and preparations with a basis of these products or with a basis of coffee, tea or mate; roasted chicory and other roasted coffee substitutes, and extracts, essences and concentrates	0.0471	-0.5526	Agriculture
206	Edible offal of bovine animals, swine, sheep, goats, horses, asses, mules or hinnies, fresh, chilled or frozen	0.7900	-0.5529	Agriculture
808	Apples, pears and quinces, fresh	0.0179	-0.5549	Agriculture
2309	Preparations of a kind used in animal feeding	0.0699	-0.5559	Agriculture
4820	Registers, account books, notebooks, order books, receipt books, letter pads, memorandum pads, diaries and similar articles, exercise books, blotting pads, binders (looseleaf or other), folders, file covers, manifold business forms, interleaved carbon set	0.0467	-0.5623	Agriculture
3924	Tableware, kitchenware, other household articles and hygienic or toilet articles, of plastics	0.5640	-0.5735	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
2809	Diphosphorus pentaoxide; phosphoric acid; polyphosphoric acids, whether or not chemically defined	0.0030	-0.5867	Chemicals
5607	Twine, cordage, ropes and cables, whether or not plaited or braided and whether or not impregnated, coated, covered or sheathed with rubber or plastics	0.6140	-0.5998	Textiles
7010	Carboys, bottles, flasks, jars, pots, vials, ampoules and other containers, of glass, of a kind used for the conveyance or packing of goods; preserving jars of glass; stoppers, lids and other closures, of glass	0.4460	-0.6031	Stone
5105	Wool and fine or coarse animal hair, carded or combed (including combed wool in fragments)	0.1580	-0.6049	Textiles
2104	Soups and broths and preparations therefor; homogenized composite food preparations	0.1220	-0.6064	Agriculture
1502	Bovine, sheep and goat fats, raw or rendered	0.0004	-0.6186	Agriculture
7204	Ferrous waste and scrap; remelting scrap ingots of iron or steel	0.2910	-0.6233	Metals
1805	Cocoa powder, not containing added sugar or other sweetening matter	0.0313	-0.6243	Agriculture
8430	Other moving, grading, leveling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-extractors; snowplows and snowblowers	0.0582	-0.6290	Machinery
7106	Silver (including silver plated with gold or platinum), unwrought or in semimanufactured forms, or in powder form	0.0036	-0.6345	Stone
7614	Stranded wire, cables, plaited bands and the like, including slings and similar articles, of aluminum, not electrically insulated	0.0033	-0.6360	Metals
3915	Waste, parings and scrap, of plastics	0.9250	-0.6378	Chemicals
2613	Molybdenum ores and concentrates	0.0034	-0.6487	Minerals
2508	Other clays (not including expanded clays of heading 6806), andalusite, kyanite and sillimanite, whether or not calcined; mullite; chamotte or dinas earths	0.7050	-0.6495	Minerals
7207	Semifinished products of iron or nonalloy steel	0.0021	-0.6522	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
7112	Waste and scrap of precious metal or of metal clad with precious metal; other waste and scrap containing precious metal or precious metal compounds, of a kind used principally for the recovery of precious metal	0.3210	-0.6584	Stone
811	Fruit and nuts, uncooked or cooked by steaming or boiling in water, frozen, whether or not containing added sugar or other sweetening matter	0.0167	-0.6622	Agriculture
402	Milk and cream, concentrated or containing added sugar or other sweetening matter	0.0292	-0.6648	Agriculture
5705	Other carpets and other textile floor coverings, whether or not made up:	0.7710	-0.7018	Textiles
4412	Plywood, veneered panels and similar laminated wood	0.0589	-0.7283	Agriculture
6406	Parts of footwear (including uppers whether or not attached to soles other than outer soles); removable insoles, heel cushions and similar articles; gaiters, leggings and similar articles, and parts thereof	0.9520	-0.7497	Textiles
710	Vegetables (uncooked or cooked by steaming or boiling in water), frozen	0.2580	-0.7522	Agriculture
706	Carrots, turnips, salad beets (salad beetroot), salsify, celeriac, radishes and similar edible roots, fresh or chilled	0.3650	-0.7708	Agriculture
2005	Other vegetables prepared or preserved otherwise than by vinegar or acetic acid, not frozen, other than products of heading 2006	0.4320	-0.7752	Agriculture
511	Animal products not elsewhere specified or included; dead animals of chapter 1 or 3, unfit for human consumption	0.1210	-0.7878	Agriculture
7602	Waste or scrap, aluminium	0.1350	-0.8060	Metals
102	Live bovine animals	0.0212	-0.8063	Agriculture
2714	Bitumen and asphalt, natural; bituminous or oil shale and tar sands; asphaltites and asphaltic rocks	0.0536	-0.8196	Minerals
4907	Unused postage, revenue or similar stamps of current or new issue in the country in which they have, or will have, a recognized face value; stamp-impressed paper; banknotes;	0.2190	-0.8277	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
	check forms; stock, share or bond certificates and similar documents of title			
4408	Sheets for veneering (including those obtained by slicing laminated wood), for plywood or for similar laminated wood and other wood, sawn lengthwise, sliced or peeled, whether or not planed, sanded, spliced or end-jointed, of a thickness not exceeding 6 mm	0.0006	-0.8278	Agriculture
6910	Ceramic sinks, washbasins, washbasin pedestals, baths, bidets, water closet bowls, flush tanks, urinals and similar sanitary fixtures	0.0652	-0.8295	Stone
301	Live fish	0.0767	-0.8307	Agriculture
1509	Olive oil and its fractions, whether or not refined, but not chemically modified	0.0044	-0.8360	Agriculture
602	Other live plants (including their roots), cuttings and slips; mushroom spawn	0.0394	-0.8604	Agriculture
4420	Wood marquetry and inlaid wood; caskets and cases for jewelry or cutlery and similar articles, of wood; statuettes and other ornaments, of wood; wooden articles of furniture not falling within chapter 94	0.1970	-0.8607	Agriculture
2713	Petroleum coke, petroleum bitumen and other residues of petroleum oils or of oils obtained from bituminous minerals	0.2500	-0.8747	Minerals
4409	Wood (including strips and friezes for parquet flooring, not assembled) continuously shaped (tongued, grooved, re-bated, chamfered, V-jointed, beaded, molded, rounded or the like) along any of its edges, ends or faces, whether or not planed, sanded or en	0.0144	-0.8793	Agriculture
1104	Cereal grains otherwise worked (for example, hulled, rolled, flaked, pearled, sliced or kibbled), except rice of heading 1006; germ of cereals, whole, rolled, flaked or ground	0.8230	-0.8950	Agriculture
604	Foliage, branches and other parts of plants, without flowers or flower buds, and grasses, mosses and lichens, being goods of a kind suitable for bouquets or for ornamental purposes, fresh, dried, dyed, bleached, impregnated or otherwise prepared	0.1080	-0.9019	Agriculture
1209	Seeds, fruits and spores of a kind used for sowing	0.1850	-0.9241	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
6802	Worked monumental or building stone (except slate) and articles thereof, other than goods of heading 6801; mosaic cubes and the like, of natural stone (including slate), whether or not on a backing; artificially colored granules, chippings and powder, of	0.9940	-0.9304	Stone
6907	Unglazed ceramic flags and paving, hearth or wall tiles; unglazed ceramic mosaic cubes and the like, whether or not on a backing	0.0042	-0.9309	Stone
3105	Mineral or chemical fertilizers containing two or three of the fertilizing elements nitrogen, phosphorus and potassium; other fertilizers; goods of this chapter in tablets or similar forms or in packages of a gross weight not exceeding 10 kg	0.0007	-0.9404	Chemicals
1517	Margarine; edible mixtures or preparations of animal or vegetable fats or oils or of fractions of different fats or oils of this chapter, other than edible fats or oils or their fractions of heading 1516	0.0700	-0.9463	Agriculture
707	Cucumbers, including gherkins, fresh or chilled	0.0984	-0.9463	Agriculture
7404	Copper waste and scrap:	0.8130	-0.9498	Metals
2402	Cigars, cheroots, cigarillos and cigarettes, of tobacco or of tobacco substitutes	0.4530	-0.9779	Agriculture
6206	Women's or girls' blouses, shirts and shirt-blouses	0.9640	-1.0024	Textiles
6505	Hats and other headgear, knitted or crocheted, or made up from lace, felt or other textile fabric, in the piece (but not in strips), whether or not lined or trimmed; hair-nets of any material, whether or not lined or trimmed	0.5290	-1.0214	Textiles
1519	Stearic acid	0.0163	-1.0612	Agriculture
1902	Pasta, whether or not cooked or stuffed (with meat or other substances) or otherwise prepared, such as spaghetti, macaroni, noodles, lasagna, gnocchi, ravioli, cannelloni; couscous, whether or not prepared	0.8440	-1.0616	Agriculture
2818	Artificial corundum, whether or not chemically defined; aluminum oxide; aluminum hydroxide	0.0011	-1.0795	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
2530	Mineral substances not elsewhere specified or included	0.1090	-1.1056	Minerals
2510	Natural calcium phosphates, natural aluminum calcium phosphates and phosphatic chalk	0.2250	-1.1156	Minerals
7214	Other bars and rods of iron or nonalloy steel, not further worked than forged, hot-rolled, hot-drawn or hot-extruded, but including those twisted after rolling	0.0109	-1.1263	Metals
6402	Other footwear with outer soles and uppers of rubber or plastics	0.1760	-1.1302	Textiles
8904	Tugs and pusher craft	0.5930	-1.1391	Vehicles
809	Apricots, cherries, peaches (including nectarines), plums (including prune plums) and sloes, fresh	0.0253	-1.1725	Agriculture
202	Meat of bovine animals, frozen	0.1470	-1.1869	Agriculture
2008	Fruit, nuts and other edible parts of plants, otherwise prepared or preserved, whether or not containing added sugar or other sweetening matter or spirit, not elsewhere specified or included	0.2430	-1.1973	Agriculture
1507	Soybean oil and its fractions, whether or not refined, but not chemically modified	0.0593	-1.2121	Agriculture
806	Grapes, fresh or dried	0.0531	-1.2149	Agriculture
709	Other vegetables, fresh or chilled	0.8450	-1.2158	Agriculture
6212	Brassieres, girdles, corsets, braces, suspenders, garters and similar articles and parts thereof, whether or not knitted or crocheted	0.2230	-1.2176	Textiles
702	Tomatoes, fresh or chilled	0.5850	-1.2424	Agriculture
3301	Essential oils (terpeneless or not), including concretes and absolutes; resinoids; extracted oleoresins; concentrates of essential oils in fats, in fixed oils, in waxes or the like, obtained by enfleurage or maceration; terpenic by-products of the deterpe	0.3910	-1.2976	Chemicals
4407	Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness exceeding 6 mm	0.0025	-1.3105	Agriculture
2814	Ammonia, anhydrous or in aqueous solution	0.0546	-1.3123	Chemicals
4102	Raw skins of sheep or lambs (fresh, or salted, dried, limed, pickled or otherwise preserved,	0.0100	-1.3487	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
	but not tanned, parchment-dressed or further prepared), whether or not with wool on or split, other than those excluded by note 1(c) to this chapter			
2304	Oilcake and other solid residues, whether or not ground or in the form of pellets, resulting from the extraction of soybean oil	0.3940	-1.3501	Agriculture
2520	Gypsum; anhydrite; plasters (consisting of calcined gypsum or calcium sulfate) whether or not colored, with or without small quantities of accelerators or retarders	0.2410	-1.3622	Minerals
1101	Wheat or meslin flour	0.0585	-1.3768	Agriculture
2002	Tomatoes prepared or preserved otherwise than by vinegar or acetic acid	0.1000	-1.3854	Agriculture
7202	Ferroalloys	0.0037	-1.4012	Metals
302	Fish, fresh or chilled, excluding fish fillets and other fish meat of heading 0304	0.9680	-1.4174	Agriculture
1804	Cocoa butter, fat and oil	0.0001	-1.4210	Agriculture
2516	Granite, porphyry, basalt, sandstone and other monumental or building stone, whether or not roughly trimmed or merely cut, by sawing or otherwise, into blocks or slabs of a rectangular (including square) shape	0.2510	-1.4266	Minerals
1604	Prepared or preserved fish; caviar and caviar substitutes prepared from fish eggs	0.0229	-1.4652	Agriculture
304	Fish fillets and other fish meat (whether or not minced), fresh, chilled or frozen	0.8100	-1.4721	Agriculture
810	Other fruit, fresh	0.1340	-1.4824	Agriculture
2715	Bituminous mixtures based on natural asphalt, on natural bitumen, on petroleum bitumen, on mineral tar or on mineral tar pitch (for example, bituminous mastics, cut-backs)	0.0001	-1.4929	Minerals
4602	Basketwork, wickerwork and other articles, made directly to shape from plaiting materials or made up from articles of heading 4601; articles of loofah	0.3070	-1.5053	Agriculture
1515	Other fixed vegetable fats and oils (including jojoba oil) and their fractions, whether or not refined, but not chemically modified	0.1650	-1.5121	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
7102	Diamonds, whether or not worked, but not mounted or set	0.0001	-1.5367	Stone
4101	Raw hides and skins of bovine (including buffalo) or equine animals (fresh, or salted, dried, limed, pickled or otherwise preserved, but not tanned, parchment-dressed or further prepared), whether or not dehaired or split	0.0054	-1.5410	Agriculture
7103	Precious stones (other than diamonds) and semi-precious stones, whether or not worked or graded but not strung, mounted or set; ungraded precious stones (other than diamonds) and semi-precious stones, temporarily strung for convenience of transport	0.7520	-1.5514	Stone
305	Fish, dried, salted or in brine; smoked fish, whether or not cooked before or during the smoking process; flours, meals and pellets of fish, fit for human consumption	0.4910	-1.5658	Agriculture
603	Cut flowers and flower buds of a kind suitable for bouquets or for ornamental purposes, fresh, dried, dyed, bleached, impregnated or otherwise prepared	0.0989	-1.5782	Agriculture
8105	Cobalt mattes and other intermediate products of cobalt metallurgy; cobalt and articles thereof, including waste and scrap	0.0138	-1.6166	Metals
4403	Wood in the rough, whether or not stripped of bark or sap-wood, or roughly squared	0.0001	-1.6176	Agriculture
1208	Flours and meals of oil seeds or oleaginous fruits, other than those of mustard	0.0844	-1.6253	Agriculture
104	Live sheep and goats	0.0957	-1.6818	Agriculture
1201	Soya beans	0.0011	-1.7032	Agriculture
1212	Locust beans, seaweeds and other algae, sugar beet and sugar cane, fresh, chilled, frozen or dried, whether or not ground; fruit stones and kernels and other vegetable products (including unroasted chicory roots of the variety <i>Cichorium intybus sativum</i>)	0.7400	-1.7188	Agriculture
807	Melons (including watermelons) and papayas (papaws), fresh	0.2220	-1.7456	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
901	Coffee, whether or not roasted or decaffeinated; coffee husks and skins; coffee substitutes containing coffee in any proportion	0.0024	-1.7596	Agriculture
1701	Cane or beet sugar and chemically pure sucrose, in solid form	0.2120	-1.7873	Agriculture
904	Pepper of the genus Piper; dried or crushed or ground fruits of the genus Capsicum (peppers) or of the genus Pimenta (e.g., allspice)	0.8100	-1.8275	Agriculture
1504	Fats and oils and their fractions, of fish or marine mammals, whether or not refined, but not chemically modified	0.1560	-1.8921	Agriculture
803	Bananas and plantains, fresh or dried	0.5850	-1.9207	Agriculture
2601	Iron ores and concentrates, including roasted iron pyrites	0.1250	-1.9726	Minerals
2616	Precious metal ores and concentrates	0.0251	-1.9860	Minerals
708	Leguminous vegetables, shelled or unshelled, fresh or chilled	0.4650	-2.0196	Agriculture
1513	Coconut (copra), palm kernel or babassu oil, and fractions thereof, whether or not refined, but not chemically modified	0.0183	-2.0594	Agriculture
713	Dried leguminous vegetables, shelled, whether or not skinned or split	0.2750	-2.0902	Agriculture
4001	Natural rubber, balata, gutta-percha, guayule, chicle and similar natural gums, in primary forms or in plates, sheets or strip	0.0264	-2.1209	Chemicals
714	Cassava (manioc), arrowroot, salep, Jerusalem artichokes, sweet potatoes and similar roots and tubers with high starch or inulin content, fresh, chilled, frozen or dried, whether or not sliced or in the form of pellets; sago pith	0.0554	-2.1594	Agriculture
6704	Wigs, false beards, eyebrows and eyelashes, switches and the like, of human or animal hair or of textile materials; articles of human hair not elsewhere specified or included	0.0296	-2.1639	Textiles
1202	Peanuts (ground-nuts), not roasted or otherwise cooked, whether or not shelled or broken	0.0414	-2.1802	Agriculture
2603	Copper content	0.0880	-2.1865	Minerals
5101	Wool, not carded or combed	0.1050	-2.2039	Textiles

HS 1992 Code	Product	RCA	PCI	Sectors
1511	Palm oil and its fractions, whether or not refined, but not chemically modified	0.0108	-2.3285	Agriculture
801	Coconuts, Brazil nuts and cashew nuts, fresh or dried, whether or not shelled or peeled	0.0160	-2.3953	Agriculture
2709	Petroleum oils and oils obtained from bituminous minerals, crude	0.1020	-2.4002	Minerals
5201	Cotton, not carded or combed:	0.5290	-2.4320	Textiles
7108	Gold (including gold plated with platinum) unwrought or in semimanufactured forms, or in powder form	0.0146	-2.5220	Stone
2606	Aluminium ores and concentrates	0.0274	-2.5354	Minerals
2602	Containing 47 percent or more by weight of manganese	0.0219	-2.9283	Minerals

Appendix C:

Scenario 3: The Primary Connections with the goods exported by Pakistan in 2021 which have RCA greater than one

HS 1992 Code	Product	RCA	PCI	Sectors
6302	Bed linen, table linen, toilet linen and kitchen linen	122.0000	-1.2312	Textiles
5209	Woven fabrics of cotton, containing 85 percent or more by weight of cotton, weighing more than 200 g/m2	91.6000	-1.1748	Textiles
4106	Tanned or crust skins of other animals, without wool or hair on, whether or not split, but not further prepared	81.0000	-1.8952	Agriculture
5210	Woven fabrics of cotton, containing less than 85 percent by weight of cotton, mixed mainly or solely with man-made fibers, weighing not more than 200 g/m2	78.3000	-0.8482	Textiles
5513	Woven fabrics of synthetic staple fibers, containing less than 85 percent by weight of such fibers, mixed mainly or solely with cotton, of a weight not exceeding 170 g/m2	62.3000	-1.6326	Textiles
5701	Carpets and other textile floor coverings, knotted, whether or not made up	57.8000	-1.0486	Textiles
4203	Articles of apparel and clothing accessories, of leather or of composition leather	57.1000	-0.8680	Agriculture
1006	Rice	48.8000	-1.5575	Agriculture
5205	Cotton yarn (other than sewing thread), containing 85 per- cent or more by weight of cotton, not put up for retail sale	48.4000	-1.8582	Textiles
5208	Woven fabrics of cotton, containing 85 percent or more by weight of cotton, weighing not more than 200 g/m2	40.9000	-0.8849	Textiles
6203	Men's or boys' suits, ensembles, suit-type jackets, blazers, trousers, bib and brace overalls, breeches and shorts (other than swimwear)	34.7000	-1.2747	Textiles
6207	Men's or boys' singlets and other undershirts, underpants, briefs, nightshirts, pajamas, bathrobes, dressing gowns and similar articles	33.5000	-1.4255	Textiles

HS 1992 Code	Product	RCA	PCI	Sectors
5514	Woven fabrics of synthetic staple fibers, containing less than 85 percent by weight of such fibers, mixed mainly or solely with cotton, of a weight exceeding 170 g/m2	32.6000	-0.9070	Textiles
6116	Gloves, mittens and mitts, knitted or crocheted	32.6000	-0.8300	Textiles
5211	Woven fabrics of cotton, containing less than 85 percent by weight of cotton, mixed mainly or solely with man-made fibers, weighing more than 200 g/m2	31.9000	-0.3974	Textiles
6105	Men's or boys' shirts, knitted or crocheted	30.2000	-1.5336	Textiles
6309	Used clothes and textiles	29.0000	-0.3748	Textiles
6103	Men's or boys' suits, ensembles, suit-type jackets, blazers, trousers, bib and brace overalls, breeches and shorts (other than swimwear), knitted or crocheted	27.7000	-1.3519	Textiles
6115	Panty hose, tights, stockings, socks and other hosiery, including graduated compression hosiery (for example, stockings for varicose veins) and footwear without applied soles, knitted or crocheted	26.0000	-0.9402	Textiles
1207	Other oil seeds and oleaginous fruits, whether or not broken	24.4000	-2.2625	Agriculture
2207	Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher; ethyl alcohol and other spirits, denatured, of any strength	24.2000	-0.7587	Agriculture
6101	Men's or boys' overcoats, carcoats, capes, cloaks, anoraks (including ski-jackets), windbreakers and similar articles, knitted or crocheted, other than those of heading 6103	20.9000	-1.2231	Textiles
813	Fruit, dried, other than that of headings 0801 to 0806; mixtures of nuts or dried fruits of this chapter	18.0000	-0.9918	Agriculture
701	Potatoes, fresh or chilled	17.4000	-0.7616	Agriculture
910	Ginger, saffron, turmeric (curcuma), thyme, bay leaves, curry and other spices	15.8000	-1.5562	Agriculture
7203	Ferrous products obtained by direct reduction of iron ore and other spongy ferrous products, in lumps, pellets or similar forms; iron having a minimum purity by	14.8000	-1.3203	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
	weight of 99.94 percent, in lumps, pellets or similar forms			
6107	Men's or boys' underpants, briefs, nightshirts, pajamas, bathrobes, dressing gowns and similar articles, knitted or crocheted	14.2000	-1.5246	Textiles
5512	Woven fabrics of synthetic staple fibers, containing 85 percent or more by weight of synthetic staple fibers	13.0000	0.1794	Textiles
6303	Curtains (including drapes) and interior blinds; curtain or bed valances	13.0000	-0.2721	Textiles
2523	Portland cement, aluminous cement, slag cement, supersulfate cement and similar hydraulic cements, whether or not colored or in the form of clinkers	12.9000	-1.3372	Minerals
2501	Salt (including table salt and denatured salt) and pure sodium chloride, whether or not in aqueous solution or containing added anticaking or free-flowing agents; sea water	12.5000	-1.0635	Minerals
4105	Tanned or crust skins of sheep or lambs, without wool on, whether or not split, but not further prepared	12.3000	-1.9635	Agriculture
703	Onions, shallots, garlic, leeks and other alliacious vegetables, fresh or chilled	12.1000	-1.9803	Agriculture
6208	Women's or girls' singlets and other undershirts, slips, petticoats, briefs, panties, nightdresses, pajamas, negligees, bathrobes, dressing gowns and similar articles	11.5000	-1.2983	Textiles
6110	Sweaters, pullovers, sweatshirts, waistcoats (vests) and similar articles, knitted or crocheted	11.4000	-1.3956	Textiles
7402	Unrefined copper; copper anodes for electrolytic refining	10.4000	-2.5151	Metals
6307	Other made up articles, including dress patterns	9.8800	-0.9417	Textiles
1103	Cereal groats, meal and pellets	9.7200	-1.0171	Agriculture
1516	Animal or vegetable fats and oils and their fractions, partly or wholly hydrogenated, inter-esterified, re-esterified or elaidinized, whether or not refined, but not further prepared	9.5100	-1.4096	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
6204	Women's or girls' suits, ensembles, suit-type jackets, blazers, dresses, skirts, divided skirts, trousers, bib and brace overalls, breeches and shorts (other than swimwear)	9.4600	-1.3247	Textiles
6304	Other furnishing articles, excluding those of heading 9404	9.4200	-1.0066	Textiles
6306	Tarpaulins, awnings and sunblinds; tents; sails for boats, sailboards or landcraft; camping goods	8.9000	-0.8999	Textiles
2529	Feldspar; leucite, nepheline and nepheline syenite; fluorspar	8.2400	-1.4514	Minerals
6109	T-shirts, singlets, tank tops and similar garments, knitted or crocheted	7.8900	-1.2803	Textiles
2515	Marble, travertine and other calcareous monumental or building stone of an apparent specific gravity of 2.5 or more, and alabaster, whether or not roughly trimmed or merely cut, by sawing or otherwise, into blocks or slabs of a rectangular	7.7800	-1.3264	Minerals
805	Citrus fruit, fresh or dried	7.5600	-1.2924	Agriculture
6102	Women's or girls' overcoats, carcoats, capes, cloaks, anoraks (including ski-jackets), windbreakers and similar articles, knitted or crocheted, other than those of heading 6104	7.5400	-1.0303	Textiles
804	Dates, figs, pineapples, avocados, guavas, mangoes and mangosteens, fresh or dried	7.3600	-1.8130	Agriculture
4107	Leather further prepared after tanning or crusting, including parchment-dressed leather, of bovine (including buffalo) or equine animals, without hair on, whether or not split, other than leather of heading 4114	7.3100	-0.9198	Agriculture
6106	Women's or girls' blouses and shirts, knitted or crocheted	7.3000	-1.2425	Textiles
6301	Blankets and traveling rugs	7.0200	-1.0393	Textiles
307	Molluscs, whether in shell or not, live, fresh, chilled, frozen, dried, salted or in brine; aquatic invertebrates other than crustaceans and molluscs, live, fresh, chilled, frozen, dried, salted or in brine; flours, meals and pellets of aquatic invertebra	6.9500	-1.6603	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
6112	Track suits, ski-suits and swimwear, knitted or crocheted	6.9400	-0.7843	Textiles
6104	Women's or girls' suits, ensembles, suit-type jackets, blazers, dresses, skirts, divided skirts, trousers, bib and brace overalls, breeches and shorts (other than swimwear), knitted or crocheted	6.9300	-1.3329	Textiles
6111	Babies' garments and clothing accessories, knitted or crocheted	6.8300	-1.5907	Textiles
9404	Mattress supports; articles of bedding and similar furnishing (for example, mattresses, quilts, eiderdowns, cushions, pouffes and pillows) fitted with springs or stuffed or internally fitted with any material or of cellular rubber or plastics, whether or no	6.6300	-0.4773	Textiles
6211	Track suits, ski-suits and swimwear; other garments	6.5500	-1.1209	Textiles
201	Meat of bovine animals, fresh or chilled	6.1600	-0.5626	Agriculture
4013	Inner tubes, of rubber	5.6100	-0.4614	Chemicals
4104	Tanned or crust hides and skins of bovine (including buffalo) or equine animals, without hair on, whether or not split, but not further prepared	5.4200	-1.2169	Agriculture
6117	Other made up clothing accessories, knitted or crocheted; knitted or crocheted parts of garments or of clothing accessories	5.1100	-1.0619	Textiles
1702	Other sugars, including chemically pure lactose, maltose, glucose and fructose, in solid form; sugar syrups not containing added flavoring or coloring matter; artificial honey, whether or not mixed with natural honey; caramel	4.7700	-0.1064	Agriculture
7403	Refined copper and copper alloys, unwrought (other than master alloys of heading 7405)	4.7300	-1.5180	Metals
8203	Files, rasps, pliers (including cutting pliers), pincers, tweezers, metal cutting shears, pipe cutters, bolt cutters, perforating punches and similar hand tools, and base metal parts thereof	4.4400	0.7937	Metals

HS 1992 Code	Product	RCA	PCI	Sectors
9506	Articles and equipment for general physical exercise, gymnastics, athletics, other sports (including table-tennis) or outdoor games, not specified or included elsewhere in this chapter; swimming pools and wading pools; parts and accessories thereof	4.4400	0.4466	Machinery
6209	Babies' garments and clothing accessories	4.2700	-1.5209	Textiles
6305	Sacks and bags, of a kind used for the packing of goods	4.0000	-1.8375	Textiles
5509	Yarn (other than sewing thread) of synthetic staple fibers, not put up for retail sale	3.8500	-0.4513	Textiles
1704	Sugar confectionery (including white chocolate), not containing cocoa	3.7900	-0.5826	Agriculture
2608	Zinc ores and concentrates	3.7800	-1.5280	Minerals
5516	Woven fabrics of artificial staple fibers	3.7700	-0.0054	Textiles
504	Guts, bladders and stomachs of animals except fish	3.7300	-1.0502	Agriculture
5807	Labels, badges and similar articles of textile materials, in the piece, in strips or cut to shape or size, not embroidered	3.7200	-0.4850	Textiles
3814	Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers	3.6300	0.0396	Chemicals
6114	Other garments, knitted or crocheted	3.5100	-1.3249	Textiles
6405	Other footwear	3.5100	-0.9790	Textiles
303	Fish, frozen, excluding fish fillets and other fish meat of heading 0304	3.4700	-1.8734	Agriculture
2301	Flours, meals and pellets, of meat or meat offal, of fish or of crustaceans, molluscs or other aquatic invertebrates, unfit for human consumption; greaves (cracklings)	3.4500	-1.6503	Agriculture
2302	Bran, sharps (middlings) and other residues, whether or not in the form of pellets, derived from the sifting, milling or other working of cereals or of leguminous plants	3.3900	-2.2334	Agriculture
1211	Plants and parts of plants (including seeds and fruits), of a kind used primarily in perfumery, in pharmacy or for insecticidal, fungicidal or similar purposes, fresh or	3.2500	-1.9016	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
	dried, whether or not cut, crushed or powdered			
1302	Vegetable saps and extracts; pectic substances, pectinates and pectates; agar-agar and other mucilages and thickeners, whether or not modified, derived from vegetable products	3.1600	-1.3643	Agriculture
5515	Other woven fabrics of synthetic staple fibers	3.1100	0.0219	Textiles
7407	Copper bars, rods and profiles	2.7900	0.3699	Metals
8211	Knives with cutting blades, serrated or not (including pruning knives), other than knives of heading 8208, and blades and other base metal parts thereof	2.6000	0.8192	Metals
6201	Men's or boys' overcoats, carcoats, capes, cloaks, anoraks (including ski-jackets), windbreakers and similar articles(including padded, sleeveless jackets), other than those of heading 6203	2.5800	-0.9440	Textiles
2001	Vegetables, fruit, nuts and other edible parts of plants, prepared or preserved by vinegar or acetic acid	2.5100	-0.9550	Agriculture
6217	Other made up clothing accessories; parts of garments or of clothing accessories, other than those of heading 6212	2.4000	-0.7377	Textiles
802	Other nuts, fresh or dried, whether or not shelled or peeled	2.3900	-1.6698	Agriculture
3401	Soap; organic surface-active products and preparations for use as soap, in the form of bars, cakes, molded pieces or shapes, whether or not containing soap; organic surface-active products and preparations for washing the skin, in the form of liquid	2.3600	-1.0221	Chemicals
5510	Yarn (other than sewing thread) of artificial staple fibers, not put up for retail sale	2.3600	0.0032	Textiles
3503	Gelatin (including gelatin in rectangular (including square) sheets, whether or not surface-worked or colored) and gelatin derivatives; isinglass; other glues of animal origin, excluding casein glues of heading 3501	2.2500	-0.1476	Chemicals

HS 1992 Code	Product	RCA	PCI	Sectors
3903	Polymers of styrene, in primary forms	2.2400	0.5769	Chemicals
8212	Razors and razor blades (including razor blade blanks in strips), and base metal parts thereof	2.2300	-0.1907	Metals
7612	Aluminum casks, drums, cans, boxes and similar containers (including rigid or collapsible tubular containers), for any material (other than compressed or liquefied gas), of a capacity not exceeding 300 liters, whether or not lined or heat insulated, but no	2.2000	0.1271	Metals
4201	Saddlery and harness for any animal (including traces, leads, knee pads, muzzles, saddle cloths, saddle bags, dog coats and the like), of any material	2.0600	0.0216	Agriculture
2607	Lead ores and concentrates	1.9900	-1.4469	Minerals
409	Amber or darker	1.9800	-1.0792	Agriculture
902	Tea, whether or not flavored	1.9800	-1.9574	Agriculture
1605	Crustaceans, molluscs and other aquatic invertebrates, prepared or preserved	1.9700	-1.7159	Agriculture
7615	Table, kitchen or other household articles and parts thereof, of aluminum; pot scourers and scouring or polishing pads, gloves and the like, of aluminum; sanitary ware and parts thereof, of aluminum	1.9600	-0.7598	Metals
407	Birds eggs, in shell, fresh, preserved or cooked	1.9400	-0.3034	Agriculture
9609	Pencils (other than those pencils of heading 9608), crayons, pencil leads, pastels, drawing charcoals, writing or drawing chalks and tailors' chalks	1.9000	-0.0871	Stone
7101	Pearls, natural or cultured, whether or not worked or graded but not strung, mounted or set; pearls, natural or cultured, temporarily strung for convenience of transport	1.9000	-0.4439	Machinery
306	Crustaceans, whether in shell or not, live, fresh, chilled, frozen, dried, salted or in brine; crustaceans, in shell, cooked by steaming or by boiling in water, whether or	1.8100	-2.0755	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
	not chilled, frozen, dried, salted or in brine; flours, meals and pellets of crusta			
9018	Instruments and appliances used in medical, surgical, dental or veterinary sciences, including scintigraphic apparatus, other electro-medical apparatus and sight-testing instruments; parts and accessories thereof	1.8000	0.7835	Machinery
1108	Starches; inulin	1.7900	-0.6081	Agriculture
8901	Cruise ships, excursion boats, ferry boats, cargo ships, barges and similar vessels for the transport of persons or goods	1.7700	-0.6749	Vehicles
7306	Other tubes, pipes and hollow profiles (for example, open seamed or welded, riveted or similarly closed), of iron or steel	1.7500	-0.5845	Metals
712	Dried vegetables, whole, cut, sliced, broken or in powder, but not further prepared	1.7200	-1.2229	Agriculture
6108	Women's or girls' slips, petticoats, briefs, panties, night-dresses, pajamas, negligees, bathrobes, dressing gowns and similar articles, knitted or crocheted	1.7100	-1.6333	Textiles
208	Other meat and edible meat offal, fresh, chilled or frozen	1.6800	0.2428	Agriculture
5408	Woven fabrics of artificial filament yarn, including woven fabrics obtained from materials of heading 5405	1.6500	0.1903	Textiles
6403	Footwear with outer soles of rubber, plastics, leather or composition leather and uppers of leather	1.6200	-0.3588	Textiles
2401	Unmanufactured tobacco (whether or not threshed or similarly processed); tobacco refuse	1.6100	-1.6199	Agriculture
7801	Lead refined unwrought	1.5700	-1.5575	Metals
3003	Medicaments (excluding goods of heading 3002, 3005 or 3006) consisting of two or more constituents which have been mixed together for therapeutic or prophylactic uses, not put up in measured doses or in forms or packings for retail sale	1.5300	0.4900	Chemicals
2403	Other manufactured tobacco and manufactured tobacco substitutes;	1.5000	-0.7795	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
	homogenized or reconstituted tobacco; tobacco extracts and essences			
2836	Carbonates; peroxocarbonates (percarbonates); commercial ammonium carbonate containing ammonium carbamate	1.5000	-0.4812	Chemicals
9706	Antiques older than one hundred years	1.4900	-1.3152	Textiles
5810	Embroidery in the piece, in strips or in motifs	1.4700	-0.4790	Textiles
7310	Tanks, casks, drums, cans, boxes and similar containers, for any material (other than compressed or liquefied gas), of iron or steel, of a capacity not exceeding 300 liters, whether or not lined or heat insulated, but not fitted with mechanical or thermal	1.4500	-0.0137	Metals
704	Cabbages, cauliflower, kohlrabi, kale and similar edible brassicas, fresh or chilled	1.4300	-1.0369	Agriculture
4811	Paper, paperboard, cellulose wadding and webs of cellulose fibers, coated, impregnated, covered, surface-colored, surface-decorated or printed, in rolls or rectangular (including square) sheets, of any size, other than goods of the kind described in headi	1.4200	0.3387	Agriculture
7005	Float glass and surface ground or polished glass, in sheets, whether or not having an absorbent, reflecting or non-reflecting layer, but not otherwise worked	1.4000	-0.2796	Stone
6002	Knitted or crocheted fabrics of a width not exceeding 30 cm, containing by weight 5 percent or more of elastomeric yarn or rubber thread, other than those of heading 6001	1.3900	-0.5100	Textiles
6210	Garments, made up of fabrics of heading 5602, 5603, 5903, 5906 or 5907	1.3800	-0.9192	Textiles
5407	Woven fabrics of synthetic filament yarn, including woven fabrics obtained from materials of heading 5404	1.3600	-0.6046	Textiles
5608	Knotted netting of twine, cordage or rope; made up fishing nets and other made up nets, of textile materials	1.3400	-1.2504	Textiles

HS 1992 Code	Product	RCA	PCI	Sectors
2620	Slag, ash and residues (other than from the manufacture of iron or steel), containing arsenic, metals or their compounds	1.3300	-0.5856	Minerals
6214	Shawls, scarves, mufflers, mantillas, veils and the like	1.3300	-0.7055	Textiles
3907	Polyacetals, other polyethers and epoxide resins, in primary forms; polycarbonates, alkyd resins, polyallyl esters and other polyesters, in primary forms	1.3000	1.0413	Chemicals
1520	Glycerol, crude; glycerol waters and glycerol lyes	1.2900	-0.2608	Agriculture
2009	Fruit juices (including grape must) and vegetable juices, not fortified with vitamins or minerals, unfermented and not containing added spirit, whether or not containing added sugar or other sweetening matter	1.2800	-0.8408	Agriculture
6914	Other ceramic articles	1.2600	0.3526	Stone
5804	Tulles and other net fabrics, not including woven, knitted or crocheted fabrics; lace in the piece, in strips or in motifs, other than fabrics of headings 6002 to 6006	1.2300	-0.3821	Textiles
3204	Synthetic organic coloring matter, whether or not chemically defined; preparations as specified in note 3 to this chapter based on synthetic organic coloring matter; synthetic organic products of a kind used as fluorescent brightening agents or as luminop	1.2200	0.5708	Chemicals
4411	Fiberboard of wood or other ligneous materials, whether or not bonded with resins or other organic substances	1.2200	0.0364	Agriculture
6205	Men's or boys' shirts	1.2100	-1.3370	Textiles
1214	Rutabagas (swedes), mangolds, fodder roots, hay, alfalfa (lucerne), clover, sainfoin, forage kale, lupines, vetches and similar forage products, whether or not in the form of pellets	1.1300	-0.9578	Agriculture
2306	Oilcake and other solid residues, whether or not ground or in the form of pellets, resulting from the extraction of vegetable fats or oils, other than those of heading 2304 or 2305	1.1300	-1.0816	Agriculture

HS 1992 Code	Product	RCA	PCI	Sectors
6202	Women's or girls' overcoats,carcoats, capes, cloaks, anoraks (including ski-jackets), windbreakers and similar articles(including padded, sleeveless jackets), other than those of heading 6204	1.1100	-0.6045	Textiles
5601	Wadding of textile materials and articles thereof; textile fibers, not exceeding 5 mm in length (flock), textile dust and mill neps	1.0600	-0.1094	Textiles
2007	Jams, fruit jellies, marmalades, fruit or nut purée and fruit or nut pastes, obtained by cooking, whether or not containing added sugar or other sweetening matter	1.0500	-0.7085	Agriculture
6215	Ties, bow ties and cravats	1.0400	-0.1281	Textiles
2505	Natural sands of all kinds, whether or not colored, other than metal-bearing sands of chapter 26	1.0300	-0.7280	Minerals

The Lahore School of Economics was established in 1993 as a private, non-profit university with the goal of developing world class teaching and research in Pakistan. The objectives of the LSE are to prepare young Pakistanis to undertake research in economics, finance, banking, business management, industry, and development, in order to deepen their understanding of, and be able to productively contribute to, the major issues and policies that impact Pakistan and Asia at large.

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The ITC produces consumer reports, working papers and other outputs as part of the LSE's overall publication programme, which also comprises of the Lahore Journal of Economics, Lahore Journal of Policy Studies, Lahore Journal of Business, a textbook series, Lahore School Case Study Journal, the CREB Working Paper Series, and CREB Policy Paper Series. The LSE strongly encourages both in-house and external contributors.



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