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ECONOMIC INDICATORS FOR SOUTHEASTERN ASIA AND THE PACIFIC INPUT-OUTPUT TABLES

DECEMBER 2018

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FOREWORD

Catalyzed by advancements in production, transportation, and information and communication technologies, as well as diminishing physical and policy barriers to trade, the global economy has been evolving rapidly in recent decades. The resulting need to understand the ever-changing dynamics of trade and production structures has increased the demand for better and more timely statistics. In this context, supply and use tables and input-output tables have received much attention as a response to the emerging need for more systematic and comprehensive approaches to data management, economic analysis, and policy research. The input-output analysis framework is designed to illustrate a system of trading activities and production-sharing arrangements at the local, regional, and global levels.

To facilitate research and to inform policy, the Asian Development Bank (ADB) produces an ongoing compilation of a multiregional input-output (MRIO) database by augmenting the World Input-Output Database with economies from across Asia and the Pacific. The MRIO database depicts input-output details for 62 economies, 43 of which are based on the 2016 release of the World Input-Output Database, with the remaining 19 compiled from supply and use tables resulting from ADB's statistical capacity-building initiatives in the Asia and Pacific region since 2008. The MRIO database aptly serves the increasing demand for structured, relevant, timely, and accurate data, especially with the onset of various economic research projects on global value chains (GVCs).

This publication is one of three that focus on particular regions: (i) *South and Central Asia*, covering Bangladesh, Bhutan, India, Kazakhstan, the Kyrgyz Republic, Maldives, Nepal, Pakistan, and Sri Lanka; (ii) *Southeastern Asia and the Pacific*, encompassing Brunei Darussalam, Cambodia, Fiji, Indonesia, the Lao People's Democratic Republic, Malaysia, the Philippines, Singapore, Thailand, and Viet Nam; and (iii) *Eastern Asia*, including the People's Republic of China; Hong Kong, China; Japan; the Republic of Korea; Mongolia; and Taipei, China. Economy-specific time series of input-output tables, aggregated into 35 industrial sectors and 5 final demand sectors, are provided for 2010 and 2017. The publications also present data visualization of statistics relevant to the analysis of cross-border production arrangements such as value-added exports, revealed comparative advantages, trade in value-added, GVC income, and GVC participation computed from the MRIO.

I would like to thank all those who contributed to the production of these three publications—the consultants; the industry experts; ADB staff; and the national implementing agencies and other government organizations in the economies participating in ADB’s statistical and analytical capacity-building initiatives—for their dedication, cooperation, and hard work. The funding for the data development and analysis activities that led to this publication was provided under RCDTA-8838: *Updating and Constructing the Supply and Use Tables for Selected Developing Member Economies*, and RETA-9244: *Key Indicators for Asia and the Pacific 2018*. We hope that this report will be a valuable resource for economic research and policy analysis.



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The successful integration of the supply and use framework into the national accounts systems in 19 participating economies in Asia and the Pacific through the regional capacity development technical assistance (RCDTA) 8838: *Updating and Constructing Supply and Use Tables for Selected Developing Member Economies*, was made possible by the strong cooperation and active participation of the respective governments and national statistical offices. Building on the successful implementation of RCDTA 8838, the Asian Development Bank (ADB) expanded the initiative on data development to compile input-output tables and multiregional input-output tables. The project was financially supported by ADB through RCDTA 8838 and RETA 9244: *Key Indicators for Asia and the Pacific 2018*.

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This set of three publications cover South and Central Asia, Eastern Asia, and Southeastern Asia and the Pacific. It was produced by the Development Economics and Indicators Division of the Economic Research and Regional Cooperation Department of ADB, under the overall coordination of Mahinthan Joseph Mariasingham; with technical assistance from Kristina Baris, John Arvin Bernabe, Donald Jay Bertulfo, Nina Ashley Dela Cruz, Paul Neilmer Feliciano, Dianne Lara Monis, Julieta Magallanes, Sarah Mae Manuel, Irene Talam, Jonarie Vergara, and Resi Olivares. Eric Suan provided overall administrative support. Paul Dent edited the publications. Joe Mark Ganaban led the typesetting process while Maria Denise Pena designed the covers. These volumes were published with the support of ADB's Department of Communications and Printing Unit.



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ABBREVIATIONS

| | |
|-------|---|
| ERDI | Development Economics and Indicators Division |
| GDP | gross domestic product |
| GFCF | gross fixed capital formation |
| GVA | gross value added |
| GVC | global value chains |
| ICT | information and communication technology |
| IOT | input-output tables |
| MRIO | multiregional input-output |
| NBL | normalized backward linkages |
| NFL | normalized forward linkages |
| NPISH | nonprofit organizations and institutions serving households |
| NRCA | new revealed comparative advantage |
| RoW | rest of the world |
| SUT | supply and use tables |
| TiVA | trade in value added |
| TRCA | traditional revealed comparative advantage |
| WIOD | World Input-Output Database |

Technical Note

Part 1: Overview of Production and Demand Structures

Input-output tables (IOTs) provide a detailed picture of an economy through which mutual interrelationships among the producers and consumers in that economy can be systematically quantified. IOTs have become a widely used tool for national accounting, economic planning, and policy analysis.

This section describes the basic framework of an IOT, consisting of the transaction flows across industries that both produce goods and services (outputs) and consume goods and services (inputs), as well as outlining the value-added by industry and final demand. This also includes a description of different baseline multipliers, which are central indicators of IOTs for impact analysis.

A two-region (home and foreign) IOT is used throughout the analysis, spanning 2010–2017.¹ All values are expressed either in millions of United States (US) dollars or as percentage shares. The data presented here are not official statistics and could differ from relevant official statistics.

Input-Output Tables

Consider an economy with a given number (n) of sectors. An IOT depicting transactions between industries within that economy, and with the rest of the world (RoW), is summarized in the table below.

Table 1: Example of an Input-Output Table

| | Intermediate Uses | | | | | Final Uses | | | | | Gross Output | |
|--------------|-------------------|------------|----------|------------|------------|------------|------------|----------|----------|----------|--------------|-------|
| | Industry 1 | Industry 2 | ... | Industry n | Households | NPISH | Government | GFCF | CIIs | Export | | |
| Domestic | 1 | Z_{11} | Z_{12} | ... | Z_{1n} | f_{11} | f_{11} | f_{11} | f_{11} | f_{11} | e_1 | x_1 |
| | 2 | Z_{21} | Z_{22} | ... | Z_{2n} | f_{21} | f_{21} | f_{21} | f_{21} | f_{21} | e_2 | x_2 |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | n | Z_{n1} | Z_{n2} | ... | Z_{nn} | f_{n1} | f_{n2} | f_{n3} | f_{n4} | f_{n5} | e_n | x_n |
| Imports | Zm_1 | Zm_2 | ... | Zm_n | fm_1 | fm_2 | fm_3 | fm_4 | fm_5 | | | |
| Value-Added | v_1 | v_2 | ... | v_n | | | | | | | | |
| Total Inputs | x_1 | x_2 | ... | x_n | | | | | | | | |

CIIs = changes in inventories, GFCF = gross fixed capital formation, NPISHs = nonprofit organizations and institutions serving households. Source: Adapted from Miller and Blair (2009).

¹ The data presented in this publication are not official statistics. Production and trade data from various sources are integrated into the input-output economic analysis framework and adjusted as required to conform to specific macroeconomic concepts. As such, data and statistics presented herein could differ from relevant official statistics.

The Intermediate Uses section of Table 1 depicts consumption (Z_{ij}) of goods and services by the j produced by industry i . Imported inputs of industry j are denoted as Zm_j . Adding intermediate consumption to value-added (v_j) is equal to the total inputs x_j .

The Final Uses section of Table 1 depicts the consumption of households (f_{i1}), nonprofit organizations and institutions serving households (f_{i2}), government (f_{i3}), gross fixed capital formation (f_{i4}), changes in inventories (f_{i5}), and exports (e_i). Imported goods and services, denoted by (fm_j), are products consumed ultimately as final products.

The sectors in the columns on the left of Table 1 are the ‘selling’ sectors, while the sectors shown across the top are the ‘buyers’. Thus, each row adds up to the gross output that is equal to its corresponding total input, demonstrating the absorption of the output of each industry, while each column shows the input sources of each industry.

In this publication, the IOTs utilize three sector aggregation schemes.

Table 2: Sector Aggregation Used in Input–Output Tables

| Sectors at the Level Used by World Input–Output Database | ERDI Aggregation Level 1 (13 sectors) | ERDI Aggregation Level 2 (5 sectors) |
|--|--|---|
| Agriculture, hunting, forestry, and fishing | Primary | Primary |
| Mining and quarrying | Primary | Primary |
| Food, beverages, and tobacco | Low tech | Low tech |
| Textiles and textile products | Low tech | Low tech |
| Leather, leather products, and footwear | Low tech | Low tech |
| Wood and products of wood and cork | Low tech | Low tech |
| Pulp, paper, paper products, printing, and publishing | Low tech | Low tech |
| Coke, refined petroleum, and nuclear fuel | High and medium tech | High and medium tech |
| Chemicals and chemical products | High and medium tech | High and medium tech |
| Rubber and plastics | Low tech | Low tech |
| Other nonmetallic minerals | High and medium tech | High and medium tech |
| Basic metals and fabricated metal | High and medium tech | High and medium tech |
| Machinery, nec | High and medium tech | High and medium tech |
| Electrical and optical equipment | High and medium tech | High and medium tech |
| Transport equipment | High and medium tech | High and medium tech |
| Manufacturing, nec; recycling | Low tech | Low tech |
| Electricity, gas, and water supply | Utilities | Low tech |
| Construction | Construction | Low tech |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | Trade and repair services | Business services |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | Trade and repair services | Business services |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | Trade and repair services | Business services |
| Hotels and restaurants | Tourism | Business services |
| Inland transport | Transport services | Business services |
| Water transport | Transport services | Business services |
| Air transport | Transport services | Business services |
| Other supporting and auxiliary transport activities; activities of travel agencies | Transport services | Business services |
| Post and telecommunications | ICT services | Business services |
| Financial intermediation | Finance and insurance services | Business services |
| Real estate activities | Property services | Business services |
| Renting of machinery and equipment; other business activities | Property services | Business services |
| Public administration and defense; compulsory social security | Public and welfare services | Public and welfare services |
| Education | Public and welfare services | Public and welfare services |

continued on next page

Table 2 *continued*

| Sectors at the Level Used by World Input–Output Database | ERDI Aggregation Level 1 (13 sectors) | ERDI Aggregation Level 2 (5 sectors) |
|--|--|---|
| Health and social work | Public and welfare services | Public and welfare services |
| Other community, social, and personal services | Public and welfare services | Public and welfare services |
| Private households with employed persons | Services provided by private households | Public and welfare services |

ERDI = Development Economics and Indicators Division, ICT = information and communication technology, nec = not elsewhere classified.
Source: Asian Development Bank. 2015. *Key Indicators for Asia and the Pacific 2015*. <https://www.adb.org/publications/key-indicators-asia-and-pacific-2015>.

Gross domestic product (GDP) measures the values of final goods and services produced within an economy over a given period. The charts on GDP show a growth trend, scaled to 2010 levels, for a particular economy in Asia as compared to the RoW and shares by five-sector aggregation (Table 1). Scaling to 2010 levels is the result of dividing the actual GDP by the 2010 GDP values of the economy and the RoW.

Final consumption expenditure comprises the major components of domestic demand together with net exports, which is the difference between exports and imports. The components of domestic demand are private consumption, which includes household consumption expenditure and expenditure by nonprofit institutions serving households, and gross capital formation, which is the investment, for instance, in the purchase of machinery and buildings as well as the constitution of stocks (inventories). When stock building, also known as changes in inventories, is excluded, the result is known as gross fixed capital formation. The charts on final consumption expenditure present the total trend and shares by five-sector aggregation over time.

Intermediate consumption represents the value of the raw materials, components, and partly manufactured goods going into a given product, as well as other services used in the production of a good or a service (Lequiller and Blades, 2014). When intermediate consumption is deducted from output, one eliminates double counting, and considers gross value added (GVA) as an indicator of output. GVA can also be disaggregated into domestic and imported goods and services. The charts on intermediate consumption present total trend, shares by five-sector aggregation, and ratio to output over time.

GVA is the value of output less the value of intermediate consumption; it is a measure of the contribution to GDP made by an individual producer, industry, or sector (Lequiller and Blades, 2014). It can also be referred to as two factors, labor and capital, which are compensated respectively by salaries and profits generated through production. The charts on GVA present total trend, shares by five-sector aggregation, and content in final consumption use.

Gross output is the sum of the GVA and the intermediate consumption of an economy **attributed to final demand**. The direct linkage between gross output and final demand refers to the finished deliveries of goods and services to different components of final consumption use. Conversely, the indirect linkage between output and final demand refers to the intermediate outputs used to produce the finished goods and services. These are calculated through matrix multiplication of the *Leontief Inverse* of the production matrix and the final demand vectors comprised of foreign demand (the RoW's final demand vector) and domestic demand (the national economy's final demand vector). The results show the different output levels necessary to satisfy the final demand requirements.

Leontief Inverse is also known as the *total requirements matrix*, and is calculated through the classic input-output model equation:

$$x = (I - A)^{-1}f = Lf \quad (1)$$

Where,

$$(I - A)^{-1} = L = [l_{ij}]$$

A is the matrix of technical coefficients that can be shown as $A = Z\hat{x}^{-1}$ or $A_{ij} = \frac{Z_{ij}}{X_j}$

Technical coefficients or input coefficients are the shares of costs for goods, services, and primary inputs in total input, which is equal to total output; usually calculated by dividing each entry of the IOT by the column total.

The **GVA attributed to final demand** is calculated by applying the GVA multipliers and the final demand vectors comprised of foreign demand (the RoW's final demand vector) and domestic demand (the national economy's final demand vector).

The decomposition exercise follows that $f = f_d + f_e$, where subscripts *d* and *e* stand for domestic final demand and exports, respectively. From equation (1), it follows that $x = (I-A)^{-1}f_d + (I-A)^{-1}f_e$, where x is a vector of gross output generated to satisfy both domestic and foreign final demand. Therefore, we can distinguish between

$$x_d = (I-A)^{-1}f_d$$

and

$$x_e = (I-A)^{-1}f_e$$

x_d is the vector of gross output generated to satisfy domestic final demand, and x_e is the vector of gross output generated to satisfy foreign (export) demand.

Since $v_{c,j} = v_j / x_j$

GVA attributed to domestic and foreign demand may be decomposed by pre-multiplying both equations 2 and 3 with the diagonalized vector of GVA coefficients, \hat{v}_c . Formulaically,

$$v_d = \hat{v}_c (I - A)^{-1}f_d \quad (2)$$

$$v_e = \hat{v}_c (I - A)^{-1}f_e \quad (3)$$

Multipliers are values used to estimate the effects of exogenous changes on (i) outputs of the sectors in the economy; (ii) income earned by households in each sector, due to new outputs; (iii) employment (jobs, in physical terms) that is generated by each sector due to new outputs; and (iv) the value-added, which is created by each sector in the economy due to new outputs (Miller and Blair, 2009).

Output multipliers refer to the total value of production in all sectors of the economy necessary for all stages of production to produce one unit of product for final demand. An output multiplier for a given sector, for instance, sector j , is

$$m = (o)j = \sum_{i=1}^n l_{ij} \quad (4)$$

As previously mentioned, \mathbf{L} or Leontief Inverse is a matrix of sector-to-sector multipliers, l_{ij} , and output multipliers are the column sums of this matrix. These multipliers represent sector-to-economy multipliers, relating final demand in sector j to economy-wide output (Miller and Blair, 2009).

GVA multipliers quantify the total value-added generated in the economy due to a unit value change of final demand for each sector. To calculate GVA multipliers in matrix form, pre-multiply diagonalized value-added coefficients with the Leontief Inverse, \mathbf{L} . Value-added coefficients are derived by dividing the GVA of sector j to the gross output of the same sector j , or in matrix form: $-v'_c = v'_x \hat{x}^{-1}$.

Import multipliers refer to the total intermediate imports that are required to satisfy one unit change in final demand for each sector. The same approach to GVA multipliers applies, but the share of imported inputs of sector j to the total output of sector j should be used in lieu of value-added coefficients.

Part 2: Domestic Interindustry Linkages

Patterns of Interindustry Transactions

An IOT is a widely used tool to study the pattern of production and consumption of the various industries operating in an economy. The flow of goods and services from one industry to another within the domestic market are visualized using chord diagrams. These interindustry flows refer to intermediate inputs produced in one industry to be absorbed by another as part of its production processes. The diagram rearranges the domestic economy into 13 differentiated tradable industries and makes explicit their direct mutual dependence based on the intermediate transactions.

The chord diagram has two main features: arcs and connections. Lengths of arcs, which determine sector sizes, are proportional to the output of the industry consumed for the domestic intermediate use to the total output consumed for domestic intermediate use of all industries, plus the proportion of its total consumption of outputs of other industries within the economy. The thickness of a connection shows the relative value of the output of the industry used by another industry. The colors of the connections follow the color of the industry of origin.

Backward and Forward Linkages by Industry

Backward linkage refers to the impact of any change in the output of a sector to the sectors producing its input requirements. This indicates the interdependence of a sector with its suppliers. This term focuses on the causation in the demand-side model. Backward linkage measures the sector's dependence to sectors supplying their input requirements.

For the input-output model $\mathbf{x} = (\mathbf{I} - \mathbf{A})^{-1}\mathbf{f} = \mathbf{L}\mathbf{f}$, the backward linkage of the j^{th} sector is derived as the sum of the elements of the j^{th} column of the Leontief Inverse, \mathbf{L} . In an n -sector economy, the total backward linkage of the j^{th} sector is computed as:

$$BL_j = \sum_{i=1}^n l_{ij}, \quad (5)$$

where $\mathbf{L} = [l_{ij}]$. In this context, backward linkage is similar to the output multiplier.

Conversely, **forward linkage** refers to the impact of any change in the output of a sector to the sectors consuming its output as an input in their own production. This indicates the interconnection of a sector with sectors buying its output. This term focuses on the causation in the supply-side model. Forward linkage measures the sector's dependence to sectors using their output for production.

Forward linkages can be derived using Ghosh's model:

$$\mathbf{x}' = \mathbf{v}'(\mathbf{I} - \mathbf{B})^{-1} = \mathbf{v}'\mathbf{G}, \quad (6)$$

where forward linkage of the i^{th} sector is derived as the sum of the elements of the i^{th} row of the Ghosh matrix \mathbf{G} . The total forward linkage of the i^{th} sector is computed as:

$$FL_i = \sum_{j=1}^n g_{ij}, \quad (7)$$

where $\mathbf{G} = [g_{ij}]$.

Using normalized values helps gauge relative strength of interindustry linkage. This allows the classification of industries as more dependent or less dependent on suppliers of inputs (backward linkage perspective) or users of their output (forward linkage perspective). Both forward and backward linkages were normalized by dividing the sector linkage to the mean linkage of all sectors. Normalized backward linkage (NBL) for sector j is computed as:

$$\overline{BL}_j = \frac{BL_j}{\frac{1}{n} \sum_{j=1}^n BL_j} \quad (8)$$

and normalized forward linkage (NFL) for sector i is computed as:

$$\overline{FL}_i = \frac{FL_i}{\frac{1}{n} \sum_{i=1}^n FL_i}. \quad (9)$$

This method gives us unity as the bar between industries considered to be independent of other industries (below average or weaker linkage) with industries that are more dependent on other industries (above average or stronger linkage).

Scatterplot of Backward and Forward Linkages

In normalized form, sectors considered to have “high” forward and backward linkages are those that score greater than 1 for either NBL or NFL. For 2010 and 2017, sectors may

be distributed over a four-way classification based on their relative backward and forward linkages. Following Miller & Blair (2009), sectors in the first quadrant have high forward and backward linkages ($NFL > 1$, $NBL > 1$) indicating high dependence on both their suppliers and consumers in other sectors. Sectors in the second quadrant are more dependent on sectors using their output ($NFL > 1$) and less dependent on sectors producing their inputs ($NBL < 1$). Sectors in the third quadrant are those that have relatively lower dependence on other sectors ($NFL < 1$, $NBL < 1$). Sectors in the fourth quadrant have high dependence on their suppliers ($NBL > 1$) and less dependence on sectors using their output ($NFL < 1$).

Accompanying tables on normalized backward and forward linkages show results for every sector in the selected domestic economy for 2010–2017.

Hypothetical Extraction of Select Industries from the Domestic Economy

Hypothetical extraction aims to quantify how much the total output of an economy would change (decrease) if a particular sector were removed from that economy. This is an alternative approach to determining relative importance of an industry by its direct and indirect contributions to the economy. The GVA of a sector may be interpreted as the direct economic contribution, while its production linkages with the rest of the economy underscore its indirect contribution.

Hypothetical Extraction Results

Hypothetical extraction is modeled in the context of input-output by deleting row and column elements of sector j in the direct requirements matrix \mathbf{A} by replacing them with zeros to generate a new matrix $\bar{\mathbf{A}}_j$. This effectively cancels out any mutual interdependence of sector j with the rest of the sectors in the economy. It also follows that there is no final demand, $\mathbf{f}_{(j)} = \mathbf{0}$, and no primary inputs, $\mathbf{v}_{(j)} = \mathbf{0}$, from sector j . Utilizing the standard Leontief model with $\bar{\mathbf{A}}_j$ and $\bar{\mathbf{f}}$ generates a new vector of gross output, $\bar{\mathbf{x}}$. The difference between the output of the hypothetical and baseline scenarios is known to be an aggregate measure of the economy's loss (decrease in value of gross output) if sector j disappears. As such, it is a measure of the importance or total linkage of sector j . It is possible to calculate the economy's loss in terms of GVA by pre-multiplying the vector of gross value added coefficients with sector j set to null, $\mathbf{v}_{(j)} = \mathbf{0}$. The resulting vector shows total GVA generated in a hypothetical scenario where there is no sector j .

Comparison of Production Gaps between Actual and Hypothetical Scenarios

Production gaps refer to the difference between the baseline scenario and hypothetical scenario with the extraction of sector j . Results are presented by decomposing economic loss attributed to two broad categories of final demand: domestic and foreign (exports). Given new direct requirements, matrix $\bar{\mathbf{A}}_j$, hypothetical gross output and GVA levels may be decomposed according to (i) production attributed to domestic final demand given the known vector of domestic final demand, $\bar{\mathbf{f}}_d$, and (ii) production attributed to foreign demand given the vector of exports $\bar{\mathbf{f}}_e$. The gap between the two scenarios in either variant (i.e., production for domestic and foreign demand) may be interpreted as the potential economic loss, accounting for the removal of direct and indirect production linkages of sector j .

Part 3: International Trade and Production Linkages

Exports and Imports as a Percentage of Gross Domestic Product

Exports and imports as a percentage share of GDP, or simply the trade-to-GDP ratio, is an indicator of the relative importance of international trade to a national economy. It is derived by dividing the gross value of exports and imports over a period by the GDP for the same period.

Total Foreign Trade by Sector

Total foreign trade shows the gross imports and exports by sector measured in millions of US dollars.

Export Activity by End-Use Category

Trends of export levels from 2010 to 2017 are presented by types of end-use: intermediate use and final use. Complementing this graph are the shares of each aggregate sector in the exports of each end-use category.

Import Activity by End-Use Category

Trends of import levels from 2010 to 2017 are presented by types of end-use: intermediate use and final use. Complementing this graph are the shares of each aggregate sector in the exports of each end-use category.

International Buying and Selling Patterns of Domestic Industries

This section shows international sourcing and selling patterns in the domestic industries by calculating the shares of internationally traded inputs (the amount of inputs sourced from the RoW) and internationally traded outputs (the amount of output that was exported to the RoW) in the gross output of each sectoral aggregation.

Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios

Imported inputs are noncompetitive imports used by domestic industries in their respective production processes. In other words, they exclude any imports used by final consumers. Each industry's imported inputs are divided by the total output to derive the imported input-to-output ratio. Conversely, exported output is simply the amount of domestic production that was consumed by nonresidents either for further production processes or for final consumption. Exported output is divided by the total (gross) output of each industry to derive the exported output-to-output ratio.

These ratios are used to rank each sector of the economy and highlight how much internationally traded input and output is involved in the production processes of each sector.

Total Foreign-Traded Input

Analogous to imported inputs.

Total Foreign-Traded Output

Analogous to exports, or the amount of goods and services produced by residents in the economy r and consumed by nonresidents either for intermediate or final use. Measured in gross terms, this statistic is often cited as having limitations for isolating double-counted terms from multiple border crossings.

Domestic Production and International Linkages

For this indicator, the computational exercise takes place in the context of a two-region interregional model, where we assume region r to refer to the domestic economy, and s as being the RoW. A salient feature of a two-region IOT is that it provides the mechanism for detailing the direct and indirect linkages between production and trade in a systematic manner. The total requirements matrix, \mathbf{L} , can therefore be decomposed into three components based on the intrinsic cause (demand) driving the production of the output: intraregional effect (\mathbf{M}_1), interregional spillover effect (\mathbf{M}_2), and interregional feedback effect (\mathbf{M}_3), where:

$$\mathbf{L} = \mathbf{M}_3 * \mathbf{M}_2 * \mathbf{M}_1$$

Formulaically, in a two-economy model, it is expressed as:

$$\mathbf{M}_1 = \begin{bmatrix} (\mathbf{I} - \mathbf{A}^{rr})^{-1} & \mathbf{0} \\ \mathbf{0} & (\mathbf{I} - \mathbf{A}^{ss})^{-1} \end{bmatrix} \quad (10)$$

$$\mathbf{M}_2 = \begin{bmatrix} \mathbf{I} & (\mathbf{I} - \mathbf{A}^{rr})^{-1} \mathbf{A}^{rs} \\ (\mathbf{I} - \mathbf{A}^{ss})^{-1} \mathbf{A}^{sr} & \mathbf{I} \end{bmatrix} \quad (11)$$

$$\mathbf{M}_3 = \begin{bmatrix} [\mathbf{I} - (\mathbf{I} - \mathbf{A}^{rr})^{-1} \mathbf{A}^{rs} (\mathbf{I} - \mathbf{A}^{ss})^{-1} \mathbf{A}^{rs}]^{-1} & \mathbf{0} \\ \mathbf{0} & [\mathbf{I} - (\mathbf{I} - \mathbf{A}^{ss})^{-1} \mathbf{A}^{sr} (\mathbf{I} - \mathbf{A}^{rr})^{-1} \mathbf{A}^{sr}]^{-1} \end{bmatrix} \quad (12)$$

Where \mathbf{I} is the identity matrix and $\mathbf{0}$ is the zero matrix, both with the same dimension as the relevant technical coefficient matrix \mathbf{A} . \mathbf{A}_{rr} and \mathbf{A}_{ss} are the technical coefficient matrices of transactions within economies r and s , respectively. The coefficients related to interregional transactions are captured in matrixes \mathbf{A}_{rs} and \mathbf{A}_{sr} .

\mathbf{M}_1 , or intraregional effect, captures the total output that a sector must produce to meet the total domestic (intraregional) requirement arising from a unit value increase in final demand for any given commodity in any given location.

\mathbf{M}_2 , or interregional spillover effect, measures the pure interregional direct and indirect demand for the sector's product.

\mathbf{M}_3 , or interregional feedback effect, shows the demand of a sector or an economy for its own product(s), resulting from its product(s) being used in the production of commodities that are themselves demanded by the sector or economy in question for its production process.

Decomposition of Total Production Attributable to Domestic and Interregional Demand

In terms of additive decomposition, L can also be expressed as follows:

$$L = I + (M_1 - I) + (M_2 * M_1 - M_1) + (M_3 * M_2 * M_1 - M_2 * M_1) \quad (13)$$

Therefore, gross output, x , can be expressed as:

$$x = \underbrace{Lf}_{\text{Gross output}} = \underbrace{If}_{\text{Direct intra-regional}} + \underbrace{(M_1 - I)f}_{\text{Indirect intra-regional}} + \underbrace{(M_2 - I)M_1f}_{\text{Net inter-regional}} + \underbrace{(M_3 - I)M_2M_1f}_{\text{Net feedback}} \quad (14)$$

The decomposition isolates the initial, intraregional, interregional, and feedback effects. The last two terms of the above equation capture the effects of interregional trade linkages on an economy's sector-specific production activities. They could also be used as a measure of the level and evolution of integration between two or more economies. The last term could serve as an indicator of an economy's (or one of its sector's) intensity of participation in globally distributed production processes. A high value indicates that the sector under consideration is connected to the relevant international production processes at more than one level.

Growth Rates of Production Components Based on Interregional Input–Output Tables

This graph depicts year-on-year growth rates of each of the four production components based on the multiplier decomposition described.

Production Attributable to Domestic Linkages by Sector

Based on the multiplier decomposition method described, this table shows two components of production that are directly related to production linkages within the domestic region, M_1 . Each gross output component is shown by 5-sector aggregation in terms of millions of US dollars. The first subsection (top) presents the total final demand by sector (direct M_1), while the second subsection (bottom) shows the indirect production by sector.

Production Attributable to Linkages with the Rest of the World by Sector

Based on the multiplier decomposition method described, this table shows two components of production that are directly related to production linkages with the RoW, M_2 and M_3 . Each gross output component is shown by 5-sector aggregation in terms of millions of US dollars.

Net intraregional (domestic) multipliers capture the total output that a sector must produce to meet the indirect intraregional requirement for its output arising from a unit value increase in final demand for any given commodity in any given location. Each value shows the additional million US dollars' worth of domestic production required to satisfy a corresponding million US dollars' worth of final demand for sector i .

Net interregional multipliers measure the pure interregional direct and indirect demand for a sector's product. Each value shows the additional million US dollars' worth of interregional production requirements to satisfy one million US dollars' demand for sector j .

Net feedback multipliers show the demand of a sector or an economy for its own product(s), resulting from its product(s) being used in the production of commodities that are themselves demanded by the sector or economy in question for its production process.

Gross Trade Decomposition

Comparison of Exports in Gross versus Value-Added Terms

Exports in gross trade and trade in value-added terms are explored in this set of indicators.

Traditional measures of trade record gross flows of goods and services each time they cross borders. This double counting in trade statistics can, to some extent, overstate the importance of exports to GDP and ignore the relative importance of cross-border production-sharing arrangements. Gross trade value aggregates all three broad components: domestic value-added, foreign value-added, and pure double counted terms. In attempt to disentangle domestic value-added from gross trade statistics, Wang, Wei, and Zhu (2013) advocated the use of domestic value-added absorbed abroad (VAX_G). VAX_G includes three components: (i) domestic value-added embodied in economy s' (the domestic economy in focus) final exports to economy r (RoW); (ii) domestic value-added embodied in economy s' intermediate exports used by direct importer r to produce final goods and consumed in r ; and (iii) domestic value-added in intermediate exports by economy s , used by direct importer r , to produce exports ultimately absorbed by all other economies except s .

As a measure of domestic value-added embodied in exports (excluding domestic value-added first exported then returned home), VAX_G explicitly excludes foreign-originated value-added and pure double-counted terms. These exclusions account for the difference between traditional gross exports and VAX_G measures.

Revealed Comparative Advantage: Traditional versus Value-Added Measures

Revealed comparative advantage (RCA) measures the intensity of trade specialization of a national economy in the context of the RoW. The RCA of a particular sector can be measured in a more traditional way by looking at how an exported product compares with other products using gross terms. It can also be measured by the actual value-added created by an economy and embodied in an export.

Following Bela Balassa (1965), traditional revealed comparative advantage (TRCA) of economy r is defined as:

$$TRCA_i^r = \frac{\frac{e_i^{r*}}{\sum_i^n e_i^{r*}}}{\frac{\sum_t^G e_i^{t*}}{\sum_i^n \sum_t^G e_i^{t*}}} \quad (15)$$

That is, the TRCA is equal to the export share of an industry to the total exports of an economy, $\frac{e_i^{r*}}{\sum_i^n e_i^{r*}}$, divided by the export share of this industry in the world, $\frac{\sum_t^G e_i^{t*}}{\sum_i^n \sum_t^G e_i^{t*}}$.

An RCA value of less than 1 implies that the economy is not specialized in exports of this industry. Similarly, an RCA value exceeding 1 implies that the economy is specialized in this industry's exports.

Wang, Wei, and Zhu (2013) proposed a new measure of revealed comparative advantage (NRCA) that excludes foreign value-added and pure double-counted terms in gross exports, but includes indirect exports of an economy-sector's value-added through other sectors of the exporting economy. The authors defined NRCA as the share of an economy-sector's forward-linkage-based measure of domestic value-added in exports, $dvix_f$, in the economy's total domestic value-added in exports relative to the sector's total forward-linkage-based domestic value-added in exports from all economies as a share of global value-added in exports. The NRCA is defined as:

$$NRCA_i^r = \frac{\frac{dvix_f_i^{r*}}{\sum_{i=1}^n dvix_f_i^{r*}}}{\frac{\sum_t^G dvix_f_i^{t*}}{\sum_i^n \sum_t^G dvix_f_i^{t*}}} \quad (16)$$

NRCA uses the same interpretation as TRCA, except that, instead of using gross exports, e , NRCA only includes the domestic value-added component of export in each sector.

Part 4: Global Value Chain Indicators

This section focuses on different indicators for global value chains (GVCs), namely trade in value-added, GVC income, and GVC participation. GVCs refer to how international trade, production, and investments are organized and analyzed through the different stages of production processes, traced across different national economies.

Trade in value-added refers to the export, import, and net trade in value-added between one economy and another. The network graph shows the trade in value-added of the economy in focus with its top trading partner economies in 2010 and 2017. The diameter of the nodes or circles represent the GDP of the economy and the width or magnitude of the arrows represent how much trade in value-added comes in and goes out from the economy in focus and its trading partners. In addition, the green shade of the nodes and arrows represents the importing partner economy and import of value-added, respectively, while the blue shade of the nodes and arrows represents the exporting partner economy and export of value-added, respectively. Note that the curved arrows do not have any implication regarding the indicator presented.

Using the notations of Johnson and Noguera (2012) for trade in value-added, consider the following multi-region IOT of G economies with N sectors.

Table 3: Multi-Region Input-Output Table

| | Intermediate Uses | | | | Final Uses | | | | Gross Outputs | |
|---------------------|-------------------|-----------|----------|-----------|------------|----------|----------|-----|---------------|-------|
| | Economy 1 | Economy 2 | ... | Economy G | 1 | 2 | ... | G | | |
| Intermediate Inputs | 1 | Z_{11} | Z_{12} | ... | Z_{1G} | f_{11} | f_{12} | ... | f_{1G} | x_1 |
| | 2 | Z_{21} | Z_{22} | ... | Z_{2G} | f_{21} | f_{22} | ... | f_{2G} | x_2 |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | G | Z_{G1} | Z_{G2} | ... | Z_{GG} | F_{G1} | F_{G2} | ... | F_{GG} | X_G |
| Value-Added | v_1' | v_2' | ... | v_G' | | | | | | |
| Total Inputs | x_1 | x_2 | ... | x_G | | | | | | |

Source: Adapted from Miller and Blair (2009).

The vector $f_{st} = [f_{st}(i)]$ contains values of goods or services consumed for final use in economy t , produced in sector i in economy s . Matrix $Z_{st} = [z_{st}(i, j)]$ is composed of values of goods or services consumed by sector j in economy s , produced in sector i in economy s . The vector of outputs of each sector in economy s is:

$$x_s = [x_s(i) = \sum_t f_{st}(i) + \sum_t \sum_j f_{st}(i, j)]. \tag{17}$$

Then for $N \times N$ matrix $A = [a_{st}(i, j) = f_{st}(i, j)/x_s(j)]$ we express the multi-region output as:

$$x = Ax + \sum_t f_t \rightarrow x = \sum_t (I - A)^{-1} f_t. \tag{18}$$

This parallels the classic input-output model for one region such that $(I - A)^{-1}$ is interpreted similarly with the Leontief Inverse.

Exports of value-added produced in sector i in economy s and absorbed in economy t are then computed as:

$$v_{st}(i) = r_s(i) x_{st}(i), \tag{19}$$

where,

$$r_s(i) = 1 - \sum_t \sum_j a_{ts}(j, i) \tag{20}$$

is the ratio of value-added to output for each sector in economy s . Then the total export of value-added from economy s to t is:

$$v_{st} = \sum_i r_s(i) x_{st}(i). \tag{21}$$

The total export of value-added of economy s to all trading-partner economies is:

$$v_s = \sum_i \sum_t r_s(i) x_{st}(i). \tag{22}$$

and the total import of value-added of economy t from all trading-partner economies is:

$$v_t = \sum_j \sum_s r_s(i) x_{st}(i). \tag{23}$$

Timmer et al. (2013) used the term GVC income for import of value-added. The difference $va_s - va_t$, is the **value-added trade balance** or the net trade in value-added that gives a better picture of the exchange of goods and services from national economy to national economy.

Global Value Chain Participation Index

This part examines each economy's movements in GVC participation. Following Wang et al. (2017), we can decompose total production activities at the economy- and sector-levels, depending on whether production activities are for pure domestic demand, traditional trade, simple GVC activities, and/or complex GVC activities.

Decomposing Value-Added and Final Goods Production Activities

GVCs depend on goods that are used as inputs and which cross national borders for production. Therefore, the first steps in measuring GVC participation are to separate final and intermediate use, distinguish between domestic and foreign value-added, and identify which types of production are GVC activities and which are not. To distinguish between domestic and foreign value-added, the domestic and the import input-output coefficient matrix in the MRIO may be used in the national IOT,

$$X = AX + Y \quad (24)$$

Where X is the gross output vector, Y is the final demand vector, and A is the input-output technical coefficient matrix. Using this gross output equation, which splits intermediate and final goods, the production and use balance of production may be written as:

$$X = A^D X + Y^D + A^F X + Y^F = A^D X + Y^D + E \quad (25)$$

which can be rearranged to get:

$$\begin{aligned} X &= (A - A^D)^{-1} Y^D + (I - A^D)^{-1} E = LY^D + LE \\ X &= LY^D + LY^F + LA^F X \end{aligned} \quad (26)$$

where A^D is the diagonal block matrix of domestic input coefficients, A^F is the off-diagonal block matrix of imported input coefficients, Y^D is the vector of final goods production for domestic consumption, and Y^F is the vector of final goods exports.

Replacing L with B as the global Leontief Inverse matrix and replacing X as BY obtains the decomposition of value-added and final goods production may be written as follows:

$$\hat{V}B\hat{Y} = \hat{V}L\hat{Y}^D + \hat{V}L\hat{Y}^F + \hat{V}L\hat{A}^F\hat{B}Y \quad (27)$$

$$\hat{V}B\hat{Y} = \hat{V}L\hat{Y}^D + \hat{V}L\hat{Y}^F + (\hat{V}L\hat{A}^FL\hat{Y}^D) + \hat{V}L\hat{A}^F(B\hat{Y} - L\hat{Y}^D) \quad (28)$$

The first term refers to pure domestic production or domestic production absorbed by domestic final demand without cross-border trade. The second term refers to traditional trade or the production of final goods or exports absorbed by foreign final demand. In this type of production activity, value-added crosses national borders only once and only for consumption. Both pure domestic production and traditional trade are non-GVC production activities

because there is no domestic value-added that crosses national borders for production purposes. The third and fourth terms refer to GVC production activities. GVC activities are those activities in which value-added crosses national borders for production. It is the sum of value-added embodied in intermediate goods for export or import. GVC production activities can be further decomposed into simple and complex GVC activities. Simple GVCs involve domestic value-added crossing national borders for production only once, while complex GVCs involve domestic value-added crossing national borders for production at least twice.

By decomposing GVC participation indices between participation in non-GVC and GVC production activities, the extent by which domestic value-added in a economy-sector is involved in the GVCs production activities can be measured. Furthermore, the structural change in an economy's different types of value-added creation activities at the sectoral level and its relevance to an economy's GDP growth can be analysed based on this decomposition.

Measuring Participation Based on Forward and Backward Linkages in Global Value Chains

Based on the decomposition of value-added and final goods production, we can identify which types of production are GVC production activities. Therefore, participation in GVCs can be measured at the economy-sector level in four ways, based on forward and backward linkages through

- (i) exports of domestic value-added embodied in intermediate exports used by direct importers for domestic consumption, labelled as simple GVCs based on forward linkages;
- (ii) exports of domestic value-added in intermediate exports used by direct importers to produce exports to third-party economies, labelled as complex GVCs based on forward linkages;
- (iii) imports of foreign value-added that are used to produce goods for domestic consumption, labelled as simple GVCs based on backward linkages; and
- (iv) imports of foreign value-added that are used to produce exports to other economies, labelled as complex GVCs based on backward linkages.

The sum of Eq. 28 along the rows provides the decomposition of value-added from an economy-sector from upstream activities, which indicates GVC participation based on forward linkages, **GVCpt_F**. It refers to the sum of each economy-sector's value-added used in all downstream sectors.

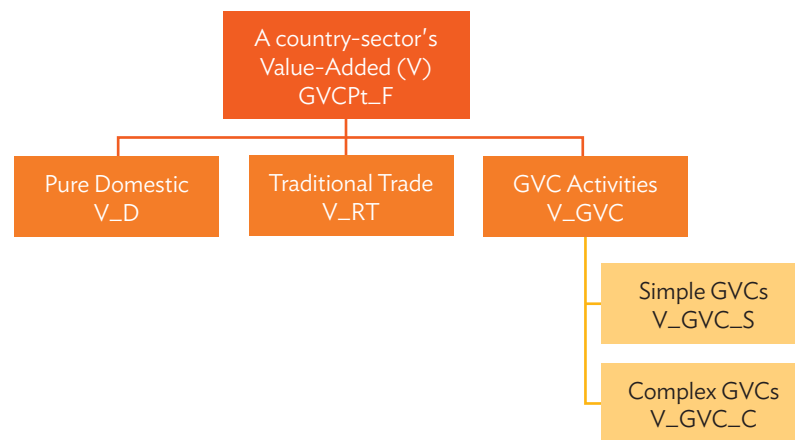
$$\hat{V}B\hat{Y} = \underbrace{\hat{V}L\hat{Y}^D}_{(1)V-D} + \underbrace{\hat{V}L\hat{Y}^F}_{(2)V-RT} + \underbrace{\hat{V}L\hat{A}^F L\hat{Y}^D}_{(3a)V_GVC_S} + \underbrace{\hat{V}L\hat{A}^F (B\hat{Y} - L\hat{Y}^D)}_{(3b)V_GVC_C} \quad (29)$$

The sum of Eq. 28 along the columns provides the decomposition of an economy-sector's final goods production, which indicates GVC participation based on backward linkages, **GVCpt_B**. It refers to the sum of value-added in an economy-sector's final goods production that is involved in GVC activities from all upstream sectors.

$$\hat{V}B\hat{Y} = \underbrace{\hat{V}L\hat{Y}^D}_{Y-D} + \underbrace{\hat{V}L\hat{Y}^F}_{Y-RT} + \underbrace{\hat{V}L\hat{A}^F L\hat{Y}^D}_{Y_GVC_S} + \underbrace{\hat{V}L\hat{A}^F (B\hat{Y} - L\hat{Y}^D)}_{Y_GVC_C} \quad (30)$$

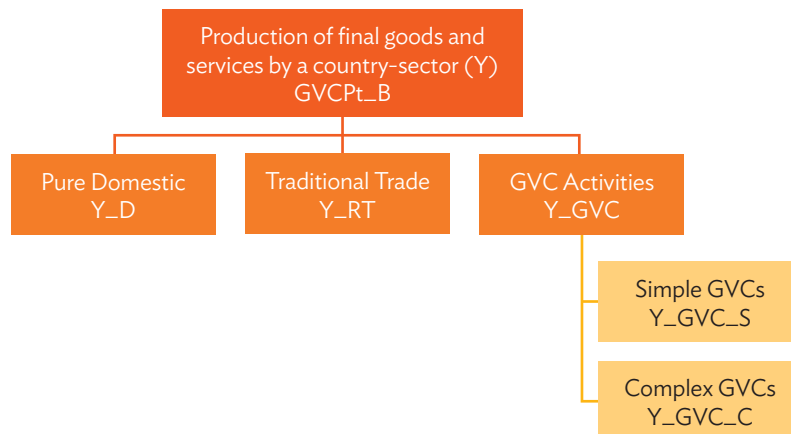
$\hat{V}LY^D$ and VLY^D are labelled as **V_D** and **Y_D** which refers to the value-added that is produced and absorbed domestically. $\hat{V}LY^F$ and VLY^F are labelled as **V_RT** and **Y_RT** which refers to value-added that is embodied in final goods exports and absorbed by the direct importer for consumption only. At the economy aggregate level, **V_D** and **V_RT** are equal to **Y_D** and **Y_RT**. $\hat{V}LY^F LY^D$ and $VLY^F LY^D$ are labelled as simple GVC activities **V_GVC_S** and **Y_GVC_S** while $\hat{V}LA^F (BY - LY^D)$ and $VLA^F (BY - LY^D)$ are labelled as complex GVC activities **V_GVC_C** and **Y_GVC_C**. **V_GVC_S** is domestic value-added embodied in an economy-sector's intermediate exports that are used by the direct importer to produce domestic final goods that are absorbed by domestic final demand. **Y_GVC_S** is foreign value-added in an economy-sector that is imported directly from partner countries and are used to produce domestic final goods consumed domestically. **V_GVC_C** is an economy-sector's value-added embodied in its intermediate exports and used by the direct importer to produce intermediate and final exports to other countries. **Y_GVC_C** is the returned domestic value-added or foreign value-added embodied in an economy-sector's intermediate imports that are used to produce final goods absorbed at the home economy or exported to other countries. Because **V_GVC_C** and **Y_GVC_C** involves indirect international trade through third countries, they will only equal each other at the global aggregate level.

Figure 1: Decomposition of Value-added by Industry (Forward Linkages)



Source: Wang et al. (2017).

Figure 2: Decomposition of Final Goods Production by Economy/Sector (Backward Linkages)



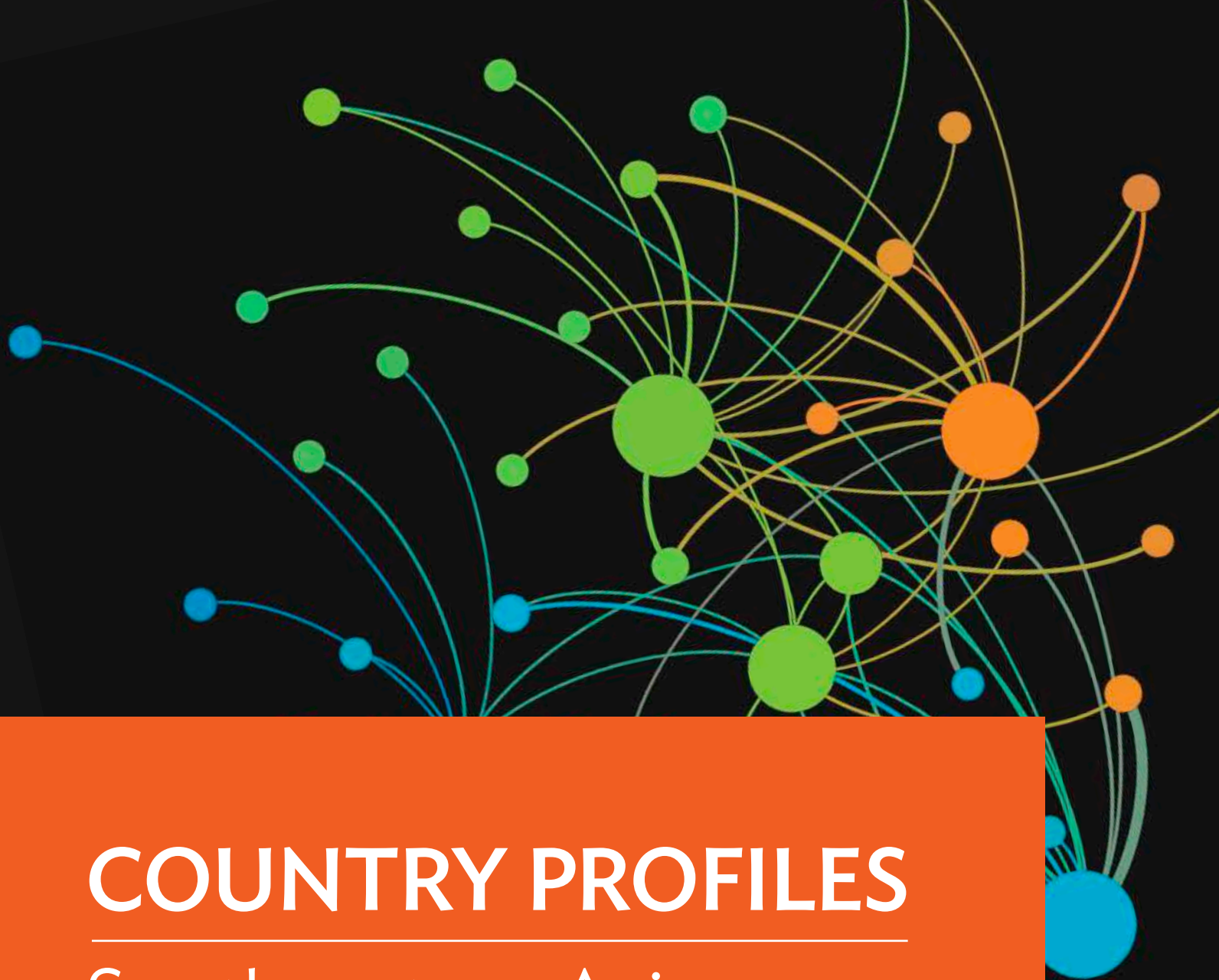
Source: Wang et al. (2017).

GVC Participation Based on Backward and Forward Linkages at the Economy/Sector Level

For each sector, the GVC participation index based on forward and backward linkages, and their decomposition into simple and complex GVC activities, can be measured. Breaking down the decomposition of economic sectors into both forward and backward linkages shows the general pattern in production structures among sectors. In general, services tend to have a low degree of participation in both backward and forward linkages, while manufacturing tends to have a high degree of both backward and forward participation. Major producers and exporters in the primary sector, including agriculture and mining, often have a high degree of forward participation and a low degree of backward participation.

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COUNTRY PROFILES

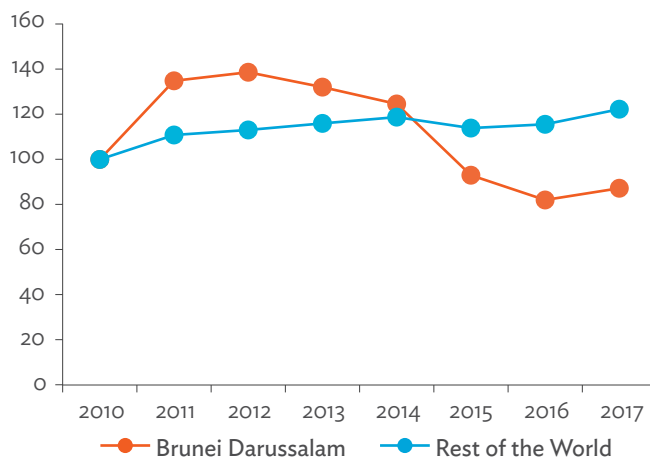
Southeastern Asia
and the Pacific

1.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Brunei Darussalam

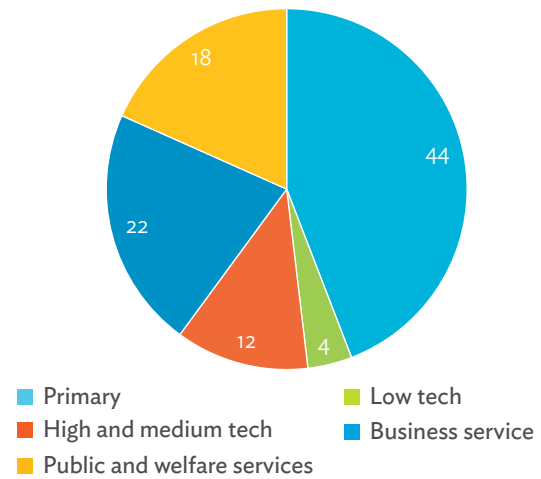
Figure 1.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

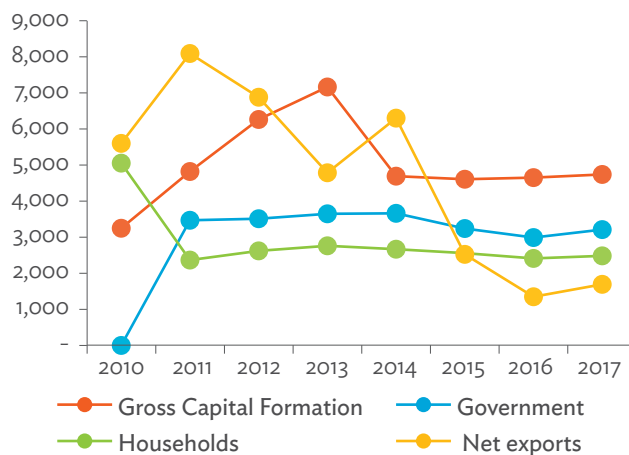
Figure 1.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 1.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)

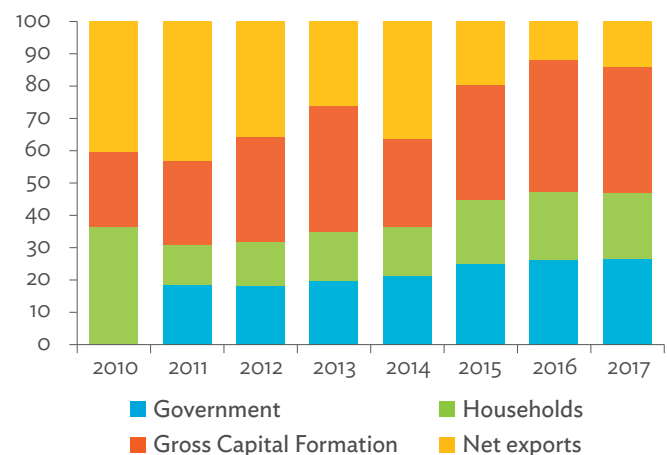


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

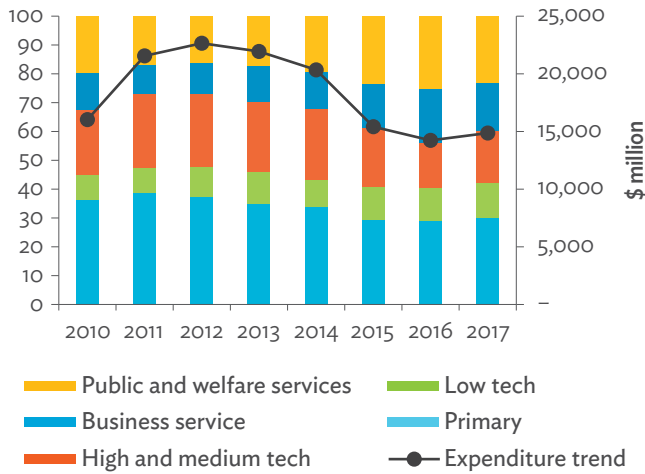
Figure 1.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

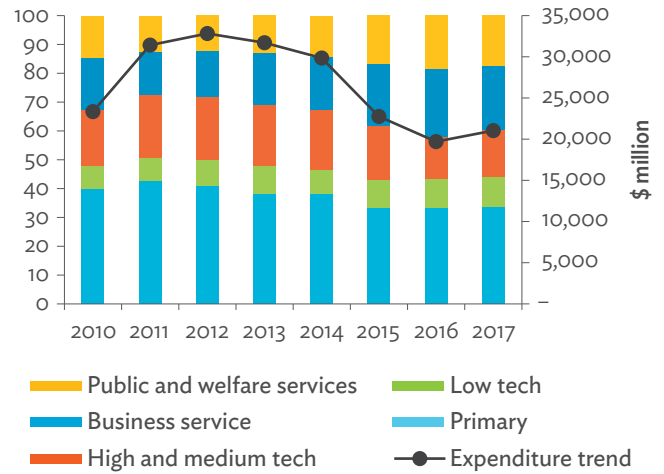
Figure 1.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

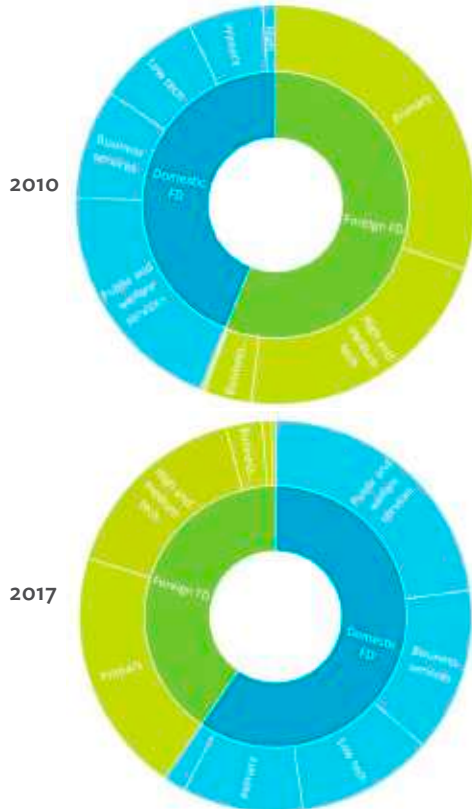
Figure 1.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

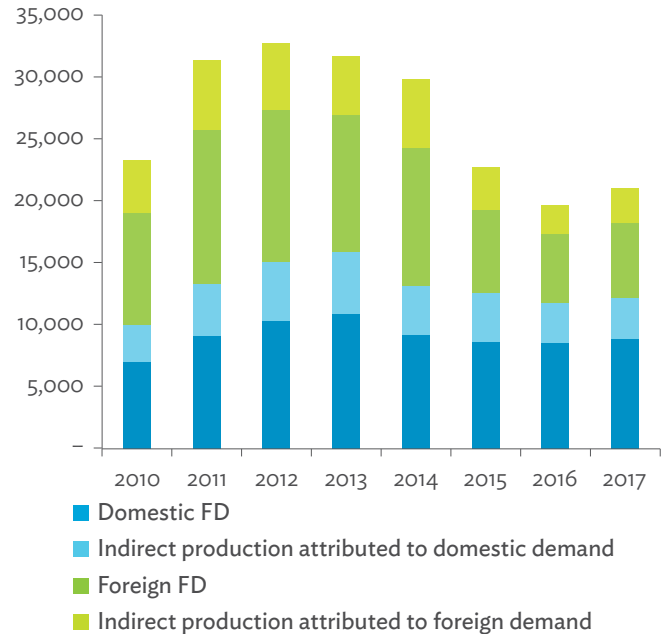
Figure 1.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

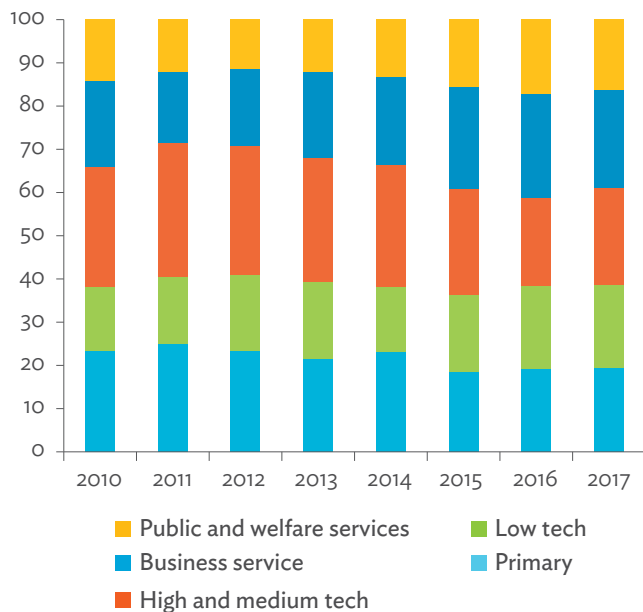
Figure 1.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

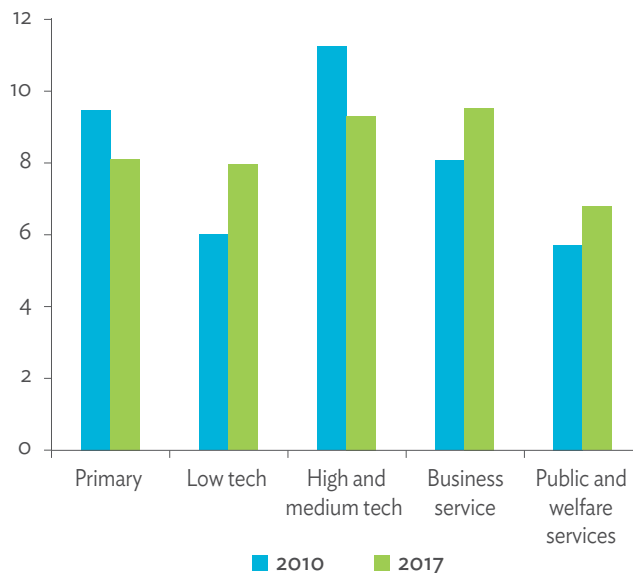
Figure 1.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

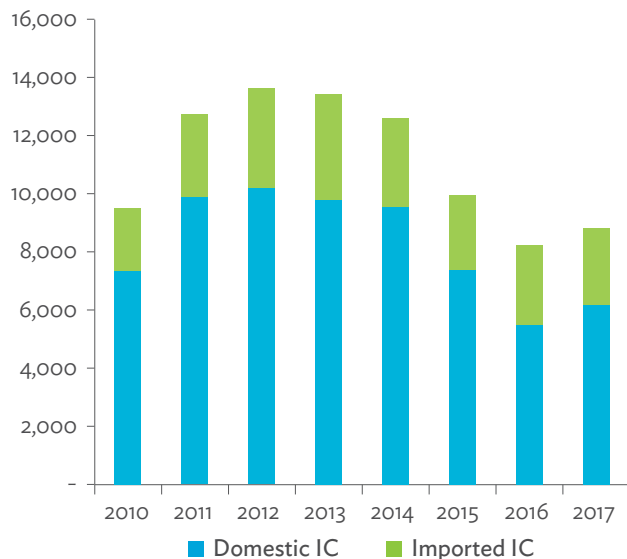
Figure 1.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

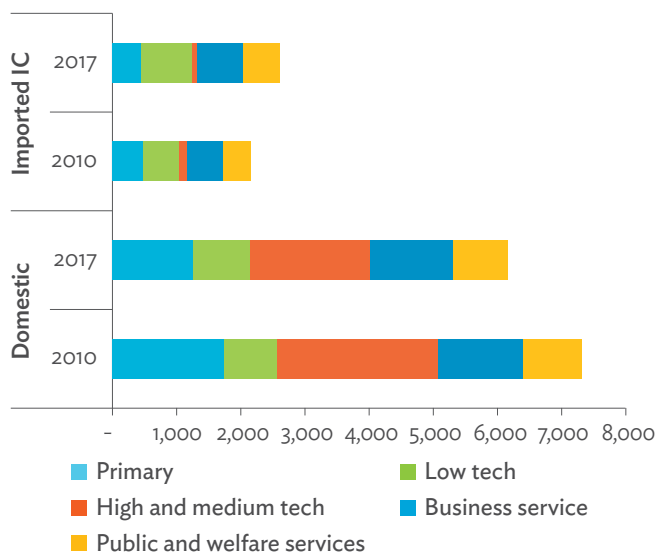


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

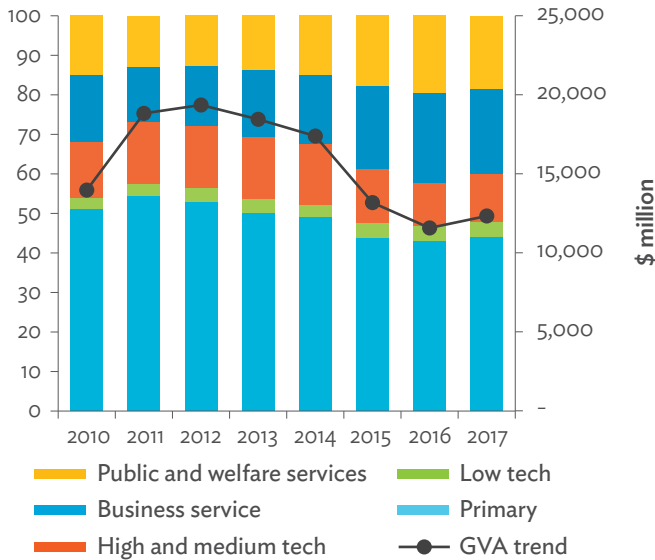


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

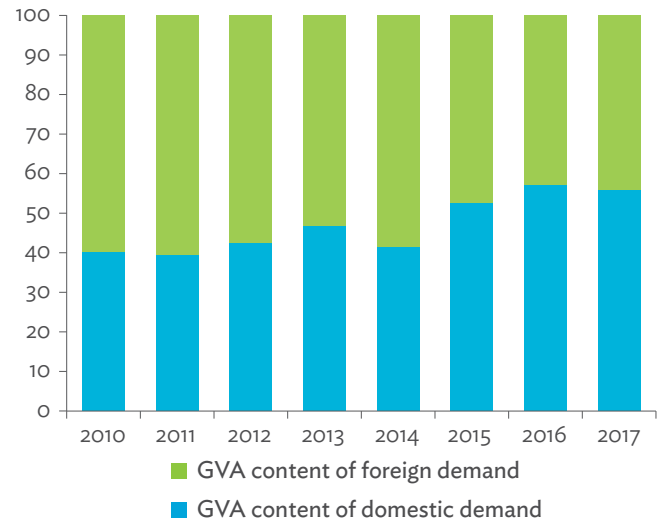
Figure 1.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

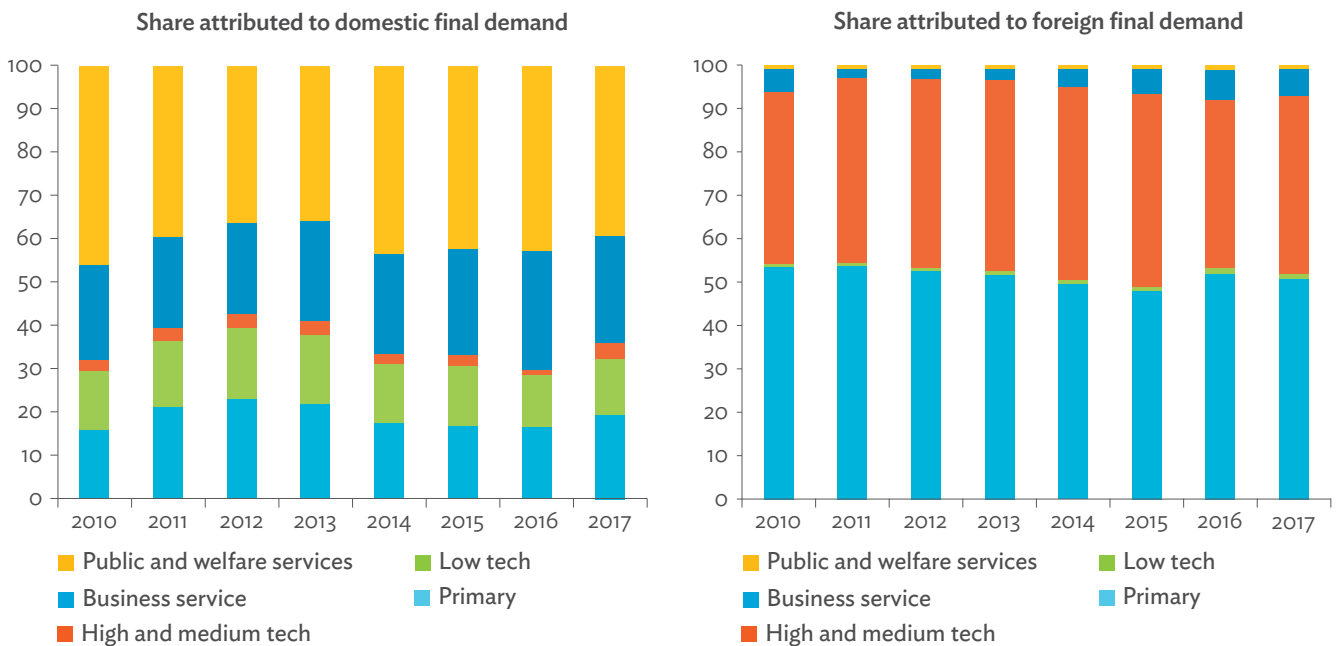
Figure 1.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 1.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 1.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.735 | 0.730 | 0.732 | 0.729 | 0.738 | 0.742 | 0.741 | 0.718 |
| Mining and quarrying | 0.932 | 0.934 | 0.925 | 0.920 | 0.919 | 0.931 | 0.890 | 0.919 |
| Food, beverages, and tobacco | 0.576 | 0.575 | 0.574 | 0.571 | 0.558 | 0.561 | 0.517 | 0.525 |
| Textiles and textile products | 0.800 | 0.868 | 0.867 | 0.865 | 0.854 | 0.866 | 0.846 | 0.842 |
| Leather, leather products, and footwear | 0.007 | 0.206 | 0.867 | 0.865 | 0.803 | 0.582 | 0.781 | 0.794 |
| Wood and products of wood and cork | 0.668 | 0.703 | 0.691 | 0.685 | 0.659 | 0.685 | 0.589 | 0.639 |
| Pulp, paper, paper products, printing, and publishing | 0.668 | 0.703 | 0.691 | 0.685 | 0.656 | 0.676 | 0.430 | 0.630 |
| Coke, refined petroleum, and nuclear fuel | 0.946 | 0.924 | 0.890 | 0.868 | 0.937 | 0.949 | 0.910 | 0.935 |
| Chemicals and chemical products | 0.946 | 0.924 | 0.890 | 0.868 | 0.937 | 0.949 | 0.907 | 0.936 |
| Rubber and plastics | 0.691 | 0.717 | 0.697 | 0.683 | 0.671 | 0.691 | 0.442 | 0.647 |
| Other nonmetallic minerals | 0.691 | 0.717 | 0.697 | 0.683 | 0.671 | 0.691 | 0.442 | 0.647 |
| Basic metals and fabricated metal | 0.732 | 0.733 | 0.723 | 0.713 | 0.717 | 0.731 | 0.499 | 0.695 |
| Machinery, nec | 0.732 | 0.733 | 0.723 | 0.713 | 0.717 | 0.731 | 0.499 | 0.695 |
| Electrical and optical equipment | 0.732 | 0.733 | 0.723 | 0.713 | 0.717 | 0.731 | 0.499 | 0.695 |
| Transport equipment | 0.732 | 0.733 | 0.723 | 0.713 | 0.717 | 0.731 | 0.499 | 0.695 |
| Manufacturing, nec; recycling | 0.732 | 0.733 | 0.723 | 0.713 | 0.717 | 0.731 | 0.499 | 0.695 |
| Electricity, gas, and water supply | 0.843 | 0.842 | 0.823 | 0.812 | 0.814 | 0.833 | 0.814 | 0.799 |
| Construction | 0.551 | 0.589 | 0.579 | 0.573 | 0.536 | 0.550 | 0.505 | 0.501 |
| Sale, maintenance, and repair | 0.681 | 0.703 | 0.698 | 0.698 | 0.660 | 0.688 | 0.640 | 0.634 |
| Wholesale trade and commission trade | 0.821 | 0.830 | 0.822 | 0.820 | 0.806 | 0.826 | 0.796 | 0.790 |
| Retail trade | 0.821 | 0.830 | 0.822 | 0.820 | 0.806 | 0.829 | 0.796 | 0.809 |
| Hotels and restaurants | 0.694 | 0.684 | 0.685 | 0.682 | 0.676 | 0.682 | 0.671 | 0.651 |
| Inland transport | 0.887 | 0.870 | 0.857 | 0.854 | 0.877 | 0.918 | 0.820 | 0.880 |
| Water transport | 0.860 | 0.849 | 0.835 | 0.829 | 0.851 | 0.893 | 0.824 | 0.839 |
| Air transport | 0.776 | 0.778 | 0.752 | 0.740 | 0.774 | 0.823 | 0.624 | 0.764 |
| Other supporting and auxiliary transport activities | 0.770 | 0.759 | 0.768 | 0.768 | 0.760 | 0.837 | 0.774 | 0.739 |
| Post and telecommunications | 0.782 | 0.771 | 0.760 | 0.756 | 0.716 | 0.762 | 0.699 | 0.703 |
| Financial intermediation | 0.914 | 0.912 | 0.910 | 0.909 | 0.907 | 0.920 | 0.908 | 0.900 |
| Real estate activities | 0.968 | 0.967 | 0.965 | 0.963 | 0.966 | 0.968 | 0.963 | 0.963 |
| Renting of M&Eq and other business activities | 0.755 | 0.765 | 0.766 | 0.771 | 0.752 | 0.783 | 0.708 | 0.734 |
| Public administration and defense; compulsory social security | 0.833 | 0.826 | 0.827 | 0.825 | 0.813 | 0.837 | 0.796 | 0.799 |
| Education | 0.817 | 0.821 | 0.823 | 0.824 | 0.793 | 0.804 | 0.799 | 0.778 |
| Health and social work | 0.767 | 0.772 | 0.774 | 0.774 | 0.757 | 0.776 | 0.744 | 0.746 |
| Other community, social, and personal services | 0.935 | 0.932 | 0.929 | 0.929 | 0.935 | 0.946 | 0.934 | 0.930 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 1.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.260 | 0.264 | 0.264 | 0.266 | 0.259 | 0.247 | 0.257 | 0.279 |
| Mining and quarrying | 0.070 | 0.068 | 0.076 | 0.082 | 0.082 | 0.077 | 0.112 | 0.083 |
| Food, beverages, and tobacco | 0.420 | 0.421 | 0.422 | 0.424 | 0.439 | 0.418 | 0.479 | 0.472 |
| Textiles and textile products | 0.205 | 0.136 | 0.138 | 0.140 | 0.150 | 0.159 | 0.158 | 0.162 |
| Leather, leather products, and footwear | 0.993 | 0.795 | 0.138 | 0.941 | 0.206 | 0.435 | 0.222 | 0.210 |
| Wood and products of wood and cork | 0.341 | 0.304 | 0.316 | 0.323 | 0.348 | 0.352 | 0.420 | 0.373 |
| Pulp, paper, paper products, printing, and publishing | 0.341 | 0.304 | 0.316 | 0.323 | 0.351 | 0.361 | 0.578 | 0.383 |
| Coke, refined petroleum, and nuclear fuel | 0.057 | 0.079 | 0.112 | 0.135 | 0.066 | 0.064 | 0.093 | 0.068 |
| Chemicals and chemical products | 0.057 | 0.079 | 0.112 | 0.135 | 0.066 | 0.064 | 0.097 | 0.068 |
| Rubber and plastics | 0.315 | 0.288 | 0.308 | 0.323 | 0.334 | 0.334 | 0.562 | 0.360 |
| Other nonmetallic minerals | 0.315 | 0.288 | 0.308 | 0.323 | 0.334 | 0.334 | 0.562 | 0.360 |
| Basic metals and fabricated metal | 0.272 | 0.271 | 0.281 | 0.291 | 0.287 | 0.287 | 0.504 | 0.310 |
| Machinery, nec | 0.272 | 0.271 | 0.281 | 0.291 | 0.287 | 0.287 | 0.504 | 0.310 |
| Electrical and optical equipment | 0.272 | 0.271 | 0.281 | 0.291 | 0.287 | 0.287 | 0.504 | 0.310 |
| Transport equipment | 0.272 | 0.271 | 0.281 | 0.291 | 0.287 | 0.287 | 0.504 | 0.310 |
| Manufacturing, nec; recycling | 0.272 | 0.271 | 0.281 | 0.291 | 0.287 | 0.287 | 0.504 | 0.310 |
| Electricity, gas, and water supply | 0.164 | 0.165 | 0.183 | 0.195 | 0.191 | 0.191 | 0.190 | 0.206 |
| Construction | 0.451 | 0.413 | 0.424 | 0.430 | 0.465 | 0.460 | 0.496 | 0.501 |
| Sale, maintenance, and repair | 0.335 | 0.312 | 0.316 | 0.318 | 0.352 | 0.366 | 0.370 | 0.379 |
| Wholesale trade and commission trade | 0.190 | 0.181 | 0.188 | 0.191 | 0.203 | 0.211 | 0.211 | 0.219 |
| Retail trade | 0.190 | 0.181 | 0.188 | 0.191 | 0.203 | 0.208 | 0.211 | 0.200 |
| Hotels and restaurants | 0.305 | 0.315 | 0.314 | 0.316 | 0.323 | 0.315 | 0.329 | 0.348 |
| Inland transport | 0.130 | 0.146 | 0.156 | 0.160 | 0.134 | 0.135 | 0.197 | 0.143 |
| Water transport | 0.158 | 0.168 | 0.180 | 0.187 | 0.162 | 0.165 | 0.188 | 0.175 |
| Air transport | 0.245 | 0.243 | 0.266 | 0.277 | 0.240 | 0.243 | 0.396 | 0.261 |
| Other supporting and auxiliary transport activities | 0.271 | 0.282 | 0.268 | 0.268 | 0.269 | 0.297 | 0.245 | 0.285 |
| Post and telecommunications | 0.240 | 0.254 | 0.264 | 0.272 | 0.305 | 0.333 | 0.317 | 0.317 |
| Financial intermediation | 0.093 | 0.095 | 0.097 | 0.098 | 0.098 | 0.105 | 0.096 | 0.105 |
| Real estate activities | 0.033 | 0.034 | 0.036 | 0.038 | 0.035 | 0.036 | 0.038 | 0.038 |
| Renting of M&Eq and other business activities | 0.264 | 0.254 | 0.251 | 0.246 | 0.262 | 0.281 | 0.304 | 0.283 |
| Public administration and defense; compulsory social security | 0.179 | 0.186 | 0.184 | 0.188 | 0.197 | 0.207 | 0.212 | 0.212 |
| Education | 0.189 | 0.186 | 0.183 | 0.183 | 0.212 | 0.216 | 0.204 | 0.226 |
| Health and social work | 0.239 | 0.234 | 0.232 | 0.232 | 0.248 | 0.245 | 0.259 | 0.259 |
| Other community, social, and personal services | 0.071 | 0.073 | 0.076 | 0.077 | 0.069 | 0.074 | 0.070 | 0.074 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 1.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.286 | 1.282 | 1.286 | 1.281 | 1.309 | 1.308 | 1.291 | 1.267 |
| Mining and quarrying | 1.259 | 1.263 | 1.251 | 1.243 | 1.278 | 1.269 | 1.188 | 1.247 |
| Food, beverages, and tobacco | 1.444 | 1.447 | 1.447 | 1.441 | 1.430 | 1.427 | 1.321 | 1.360 |
| Textiles and textile products | 1.190 | 1.213 | 1.211 | 1.209 | 1.205 | 1.223 | 1.163 | 1.179 |
| Leather, leather products, and footwear | 1.002 | 1.051 | 1.211 | 1.209 | 2.603 | 1.262 | 1.051 | 1.083 |
| Wood and products of wood and cork | 1.467 | 1.513 | 1.494 | 1.485 | 1.469 | 1.493 | 1.293 | 1.409 |
| Pulp, paper, paper products, printing, and publishing | 1.467 | 1.513 | 1.494 | 1.485 | 1.445 | 1.476 | 1.009 | 1.391 |
| Coke, refined petroleum, and nuclear fuel | 1.708 | 1.678 | 1.633 | 1.603 | 1.718 | 1.724 | 1.650 | 1.699 |
| Chemicals and chemical products | 1.708 | 1.678 | 1.633 | 1.603 | 1.718 | 1.724 | 1.645 | 1.700 |
| Rubber and plastics | 1.633 | 1.695 | 1.660 | 1.631 | 1.629 | 1.652 | 1.151 | 1.577 |
| Other nonmetallic minerals | 1.633 | 1.695 | 1.660 | 1.631 | 1.629 | 1.652 | 1.151 | 1.577 |
| Basic metals and fabricated metal | 1.575 | 1.571 | 1.559 | 1.544 | 1.575 | 1.592 | 1.171 | 1.529 |
| Machinery, nec | 1.575 | 1.571 | 1.559 | 1.544 | 1.575 | 1.592 | 1.171 | 1.529 |
| Electrical and optical equipment | 1.575 | 1.571 | 1.559 | 1.544 | 1.575 | 1.592 | 1.171 | 1.529 |
| Transport equipment | 1.575 | 1.571 | 1.559 | 1.544 | 1.575 | 1.592 | 1.171 | 1.529 |
| Manufacturing, nec; recycling | 1.575 | 1.571 | 1.559 | 1.544 | 1.575 | 1.592 | 1.171 | 1.529 |
| Electricity, gas, and water supply | 1.678 | 1.679 | 1.652 | 1.638 | 1.654 | 1.683 | 1.618 | 1.620 |
| Construction | 1.725 | 1.783 | 1.767 | 1.756 | 1.710 | 1.724 | 1.615 | 1.635 |
| Sale, maintenance, and repair | 1.645 | 1.676 | 1.673 | 1.674 | 1.638 | 1.679 | 1.535 | 1.577 |
| Wholesale trade and commission trade | 1.405 | 1.417 | 1.406 | 1.404 | 1.399 | 1.427 | 1.340 | 1.365 |
| Retail trade | 1.405 | 1.417 | 1.406 | 1.404 | 1.410 | 1.433 | 1.340 | 1.345 |
| Hotels and restaurants | 1.373 | 1.360 | 1.364 | 1.359 | 1.355 | 1.361 | 1.323 | 1.304 |
| Inland transport | 1.734 | 1.702 | 1.684 | 1.681 | 1.769 | 1.804 | 1.604 | 1.737 |
| Water transport | 1.928 | 1.911 | 1.894 | 1.888 | 1.945 | 2.011 | 1.846 | 1.914 |
| Air transport | 2.100 | 2.102 | 2.064 | 2.049 | 2.129 | 2.199 | 1.818 | 2.092 |
| Other supporting and auxiliary transport activities | 1.980 | 1.948 | 1.983 | 1.988 | 2.058 | 2.198 | 1.980 | 1.994 |
| Post and telecommunications | 1.518 | 1.490 | 1.471 | 1.463 | 1.430 | 1.483 | 1.344 | 1.370 |
| Financial intermediation | 1.218 | 1.214 | 1.209 | 1.209 | 1.214 | 1.234 | 1.200 | 1.198 |
| Real estate activities | 1.114 | 1.111 | 1.107 | 1.102 | 1.110 | 1.113 | 1.104 | 1.104 |
| Renting of M&Eq and other business activities | 1.508 | 1.530 | 1.537 | 1.547 | 1.540 | 1.591 | 1.408 | 1.498 |
| Public administration and defense; compulsory social security | 1.444 | 1.429 | 1.435 | 1.432 | 1.428 | 1.465 | 1.370 | 1.394 |
| Education | 1.307 | 1.315 | 1.321 | 1.323 | 1.274 | 1.289 | 1.275 | 1.238 |
| Health and social work | 1.417 | 1.426 | 1.431 | 1.432 | 1.433 | 1.441 | 1.373 | 1.383 |
| Other community, social, and personal services | 1.171 | 1.165 | 1.161 | 1.161 | 1.183 | 1.199 | 1.142 | 1.171 |
| Private households with employed persons | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

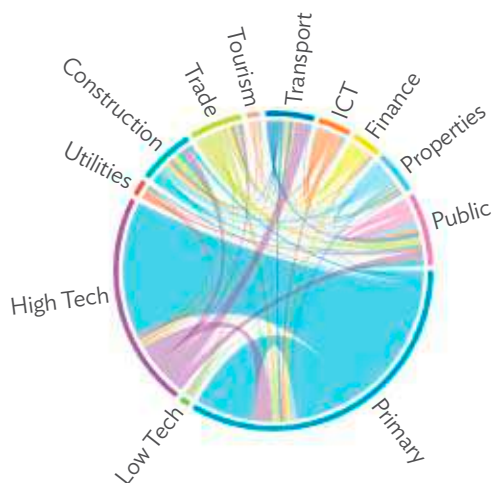
Source: Asian Development Bank Multi-Regional Input–Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

1.2

Brunei Darussalam

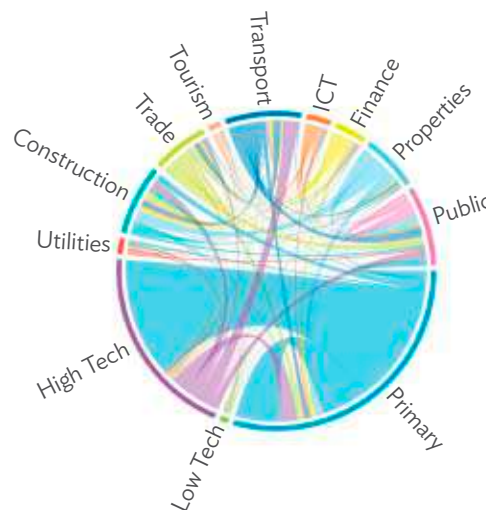
Figure 1.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

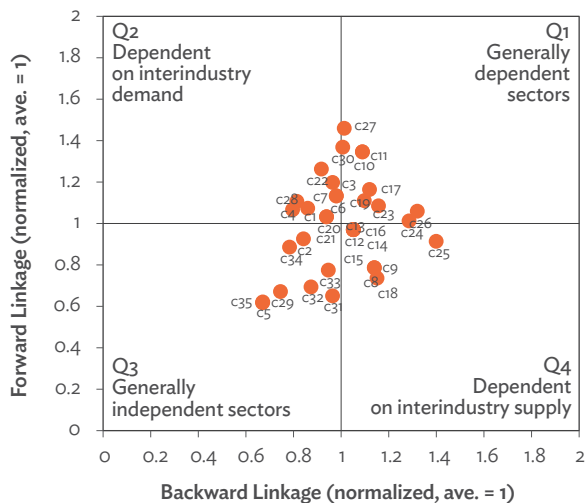
Figure 1.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

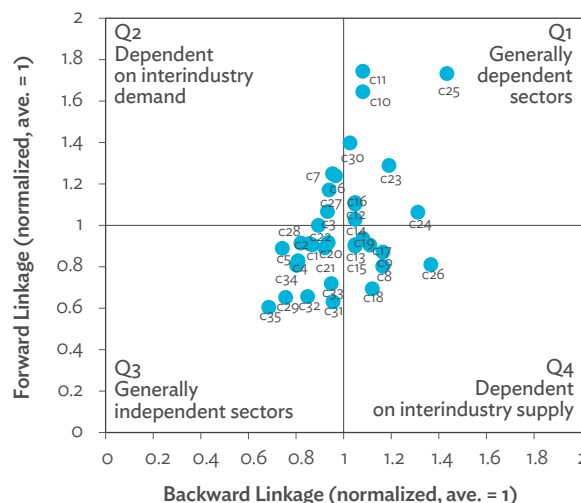
Figure 1.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.2.2b: Backward and Forward Linkages by Industry, 2017

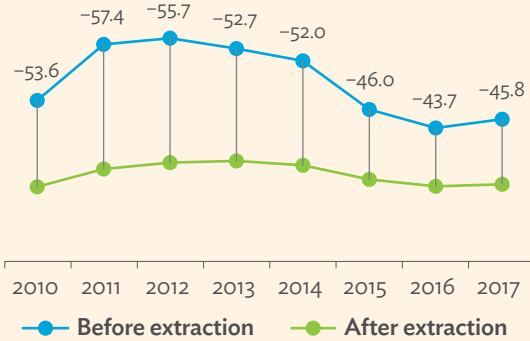


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Box 1: Hypothetical Extraction of Mining and Quarrying Industry in Brunei Darussalam

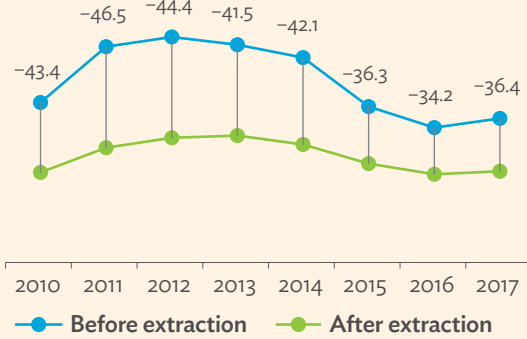
Figure 1.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

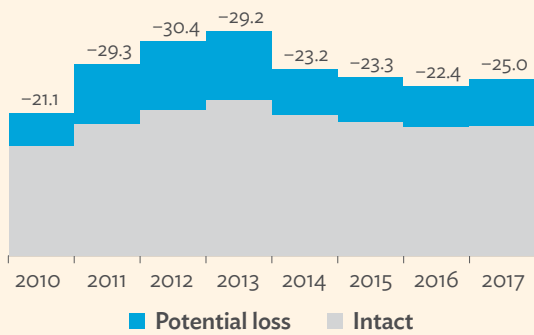
Figure 1.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

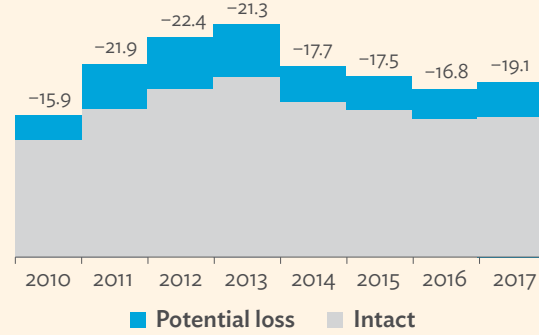
Figure 1.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

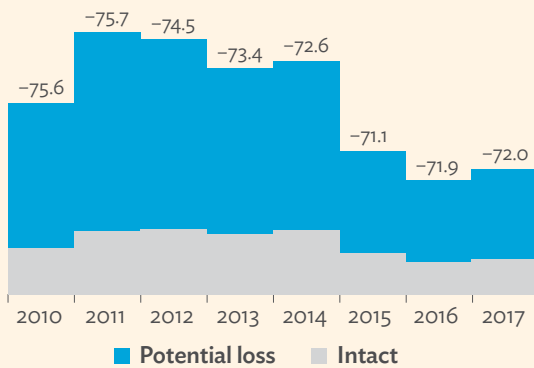
Figure 1.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

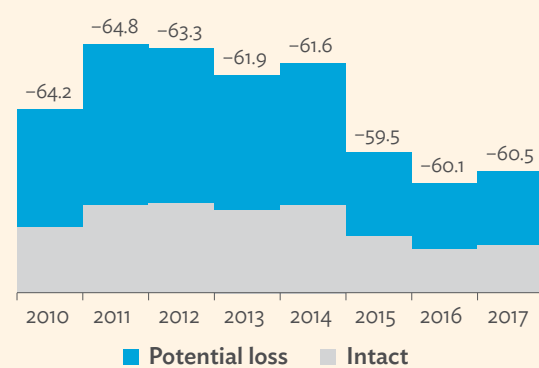
Figure 1.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)




Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 1.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.860 | 0.854 | 0.860 | 0.862 | 0.848 | 0.856 | 0.961 | 0.868 |
| Mining and quarrying | 0.842 | 0.841 | 0.836 | 0.836 | 0.829 | 0.830 | 0.885 | 0.854 |
| Food, beverages, and tobacco | 0.965 | 0.964 | 0.968 | 0.969 | 0.927 | 0.934 | 0.984 | 0.932 |
| Textiles and textile products | 0.796 | 0.808 | 0.810 | 0.813 | 0.781 | 0.800 | 0.866 | 0.808 |
| Leather, leather products, and footwear | 0.670 | 0.700 | 0.810 | 0.813 | 1.687 | 0.826 | 0.782 | 0.742 |
| Wood and products of wood and cork | 0.981 | 1.008 | 0.999 | 0.999 | 0.952 | 0.977 | 0.963 | 0.966 |
| Pulp, paper, paper products, printing, and publishing | 0.981 | 1.008 | 0.999 | 0.999 | 0.937 | 0.966 | 0.751 | 0.953 |
| Coke, refined petroleum, and nuclear fuel | 1.142 | 1.118 | 1.092 | 1.078 | 1.114 | 1.128 | 1.228 | 1.164 |
| Chemicals and chemical products | 1.142 | 1.118 | 1.092 | 1.078 | 1.114 | 1.128 | 1.225 | 1.165 |
| Rubber and plastics | 1.092 | 1.129 | 1.110 | 1.096 | 1.056 | 1.081 | 0.857 | 1.080 |
| Other nonmetallic minerals | 1.092 | 1.129 | 1.110 | 1.096 | 1.056 | 1.081 | 0.857 | 1.080 |
| Basic metals and fabricated metal | 1.053 | 1.046 | 1.042 | 1.038 | 1.021 | 1.041 | 0.872 | 1.048 |
| Machinery, nec | 1.053 | 1.046 | 1.042 | 1.038 | 1.021 | 1.041 | 0.872 | 1.048 |
| Electrical and optical equipment | 1.053 | 1.046 | 1.042 | 1.038 | 1.021 | 1.041 | 0.872 | 1.048 |
| Transport equipment | 1.053 | 1.046 | 1.042 | 1.038 | 1.021 | 1.041 | 0.872 | 1.048 |
| Manufacturing, nec; recycling | 1.053 | 1.046 | 1.042 | 1.038 | 1.021 | 1.041 | 0.872 | 1.048 |
| Electricity, gas, and water supply | 1.122 | 1.118 | 1.105 | 1.101 | 1.073 | 1.101 | 1.205 | 1.110 |
| Construction | 1.154 | 1.187 | 1.182 | 1.181 | 1.108 | 1.128 | 1.202 | 1.120 |
| Sale, maintenance, and repair | 1.100 | 1.116 | 1.119 | 1.126 | 1.062 | 1.099 | 1.143 | 1.081 |
| Wholesale trade and commission trade | 0.940 | 0.943 | 0.940 | 0.944 | 0.907 | 0.934 | 0.998 | 0.935 |
| Retail trade | 0.940 | 0.943 | 0.940 | 0.944 | 0.914 | 0.937 | 0.998 | 0.921 |
| Hotels and restaurants | 0.918 | 0.906 | 0.912 | 0.914 | 0.879 | 0.890 | 0.985 | 0.894 |
| Inland transport | 1.160 | 1.134 | 1.126 | 1.131 | 1.147 | 1.180 | 1.195 | 1.190 |
| Water transport | 1.289 | 1.272 | 1.267 | 1.270 | 1.261 | 1.315 | 1.374 | 1.312 |
| Air transport | 1.404 | 1.400 | 1.380 | 1.378 | 1.380 | 1.439 | 1.353 | 1.434 |
| Other supporting and auxiliary transport activities | 1.324 | 1.297 | 1.326 | 1.337 | 1.334 | 1.438 | 1.474 | 1.367 |
| Post and telecommunications | 1.015 | 0.992 | 0.984 | 0.984 | 0.927 | 0.970 | 1.000 | 0.939 |
| Financial intermediation | 0.814 | 0.808 | 0.809 | 0.813 | 0.787 | 0.807 | 0.894 | 0.821 |
| Real estate activities | 0.745 | 0.740 | 0.741 | 0.741 | 0.720 | 0.728 | 0.822 | 0.756 |
| Renting of M&Eq and other business activities | 1.008 | 1.019 | 1.028 | 1.040 | 0.998 | 1.041 | 1.048 | 1.027 |
| Public administration and defense; compulsory social security | 0.965 | 0.952 | 0.960 | 0.963 | 0.926 | 0.959 | 1.020 | 0.955 |
| Education | 0.874 | 0.876 | 0.883 | 0.889 | 0.826 | 0.843 | 0.949 | 0.849 |
| Health and social work | 0.947 | 0.950 | 0.957 | 0.963 | 0.929 | 0.943 | 1.022 | 0.948 |
| Other community, social, and personal services | 0.783 | 0.776 | 0.776 | 0.780 | 0.767 | 0.784 | 0.850 | 0.802 |
| Private households with employed persons | 0.669 | 0.666 | 0.669 | 0.672 | 0.648 | 0.654 | 0.745 | 0.685 |

lowest linkage  highest linkage


M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 1.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.077 | 0.924 | 1.025 | 1.030 | 1.020 | 1.013 | 1.043 | 0.906 |
| Mining and quarrying | 0.928 | 0.908 | 0.898 | 0.915 | 0.986 | 1.017 | 1.004 | 0.912 |
| Food, beverages, and tobacco | 1.202 | 1.173 | 1.173 | 1.210 | 1.206 | 1.201 | 1.216 | 1.067 |
| Textiles and textile products | 1.070 | 0.994 | 1.117 | 1.127 | 0.919 | 0.929 | 0.919 | 0.829 |
| Leather, leather products, and footwear | 0.621 | 0.604 | 1.058 | 1.032 | 0.644 | 0.675 | 0.697 | 0.889 |
| Wood and products of wood and cork | 1.137 | 1.035 | 0.994 | 0.991 | 1.032 | 1.009 | 1.073 | 1.239 |
| Pulp, paper, paper products, printing, and publishing | 1.137 | 1.035 | 1.002 | 0.996 | 1.047 | 1.021 | 1.087 | 1.249 |
| Coke, refined petroleum, and nuclear fuel | 0.788 | 0.750 | 0.754 | 0.780 | 0.824 | 0.902 | 0.866 | 0.802 |
| Chemicals and chemical products | 0.788 | 0.745 | 0.749 | 0.774 | 0.818 | 0.897 | 0.864 | 0.871 |
| Rubber and plastics | 1.351 | 1.346 | 1.313 | 1.296 | 1.311 | 1.301 | 1.316 | 1.645 |
| Other nonmetallic minerals | 1.351 | 1.405 | 1.366 | 1.351 | 1.374 | 1.356 | 1.372 | 1.744 |
| Basic metals and fabricated metal | 0.973 | 0.954 | 0.921 | 0.913 | 0.968 | 0.938 | 0.994 | 1.110 |
| Machinery, nec | 0.973 | 1.171 | 1.093 | 1.056 | 0.832 | 0.883 | 1.048 | 0.900 |
| Electrical and optical equipment | 0.973 | 1.169 | 1.091 | 1.053 | 0.915 | 0.965 | 1.176 | 1.029 |
| Transport equipment | 0.973 | 1.215 | 1.125 | 1.119 | 0.836 | 0.887 | 1.054 | 0.907 |
| Manufacturing, nec; recycling | 0.973 | 0.943 | 0.907 | 0.885 | 0.963 | 0.934 | 0.989 | 1.102 |
| Electricity, gas, and water supply | 1.168 | 1.205 | 1.192 | 1.207 | 1.122 | 1.113 | 1.095 | 0.905 |
| Construction | 0.737 | 0.731 | 0.714 | 0.716 | 0.758 | 0.751 | 0.814 | 0.694 |
| Sale, maintenance, and repair | 1.114 | 1.069 | 1.044 | 1.047 | 1.077 | 1.058 | 1.098 | 0.937 |
| Wholesale trade and commission trade | 1.035 | 1.046 | 1.015 | 1.010 | 1.059 | 1.030 | 1.069 | 0.918 |
| Retail trade | 1.035 | 1.048 | 1.017 | 1.012 | 1.020 | 0.999 | 1.036 | 0.892 |
| Hotels and restaurants | 1.267 | 1.238 | 1.216 | 1.237 | 1.216 | 1.206 | 1.159 | 1.000 |
| Inland transport | 1.088 | 1.068 | 1.016 | 1.047 | 1.024 | 1.061 | 1.078 | 1.289 |
| Water transport | 1.015 | 1.012 | 1.015 | 1.002 | 1.233 | 1.199 | 0.773 | 1.064 |
| Air transport | 0.916 | 0.937 | 0.941 | 0.924 | 1.361 | 1.305 | 0.803 | 1.733 |
| Other supporting and auxiliary transport activities | 1.062 | 1.019 | 1.032 | 1.005 | 0.975 | 1.036 | 1.064 | 0.811 |
| Post and telecommunications | 1.465 | 1.418 | 1.401 | 1.401 | 1.399 | 1.388 | 1.377 | 1.171 |
| Financial intermediation | 1.110 | 1.104 | 1.095 | 1.098 | 1.129 | 1.090 | 1.045 | 0.915 |
| Real estate activities | 0.672 | 0.678 | 0.677 | 0.687 | 0.703 | 0.699 | 0.719 | 0.652 |
| Renting of M&Eq and other business activities | 1.373 | 1.432 | 1.420 | 1.404 | 1.504 | 1.495 | 1.533 | 1.398 |
| Public administration and defense; compulsory social security | 0.651 | 0.637 | 0.638 | 0.650 | 0.672 | 0.663 | 0.682 | 0.631 |
| Education | 0.694 | 0.685 | 0.686 | 0.697 | 0.712 | 0.694 | 0.685 | 0.657 |
| Health and social work | 0.776 | 0.768 | 0.771 | 0.778 | 0.789 | 0.746 | 0.689 | 0.719 |
| Other community, social, and personal services | 0.888 | 0.930 | 0.925 | 0.936 | 0.913 | 0.898 | 0.883 | 0.807 |
| Private households with employed persons | 0.618 | 0.603 | 0.602 | 0.614 | 0.641 | 0.641 | 0.679 | 0.605 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

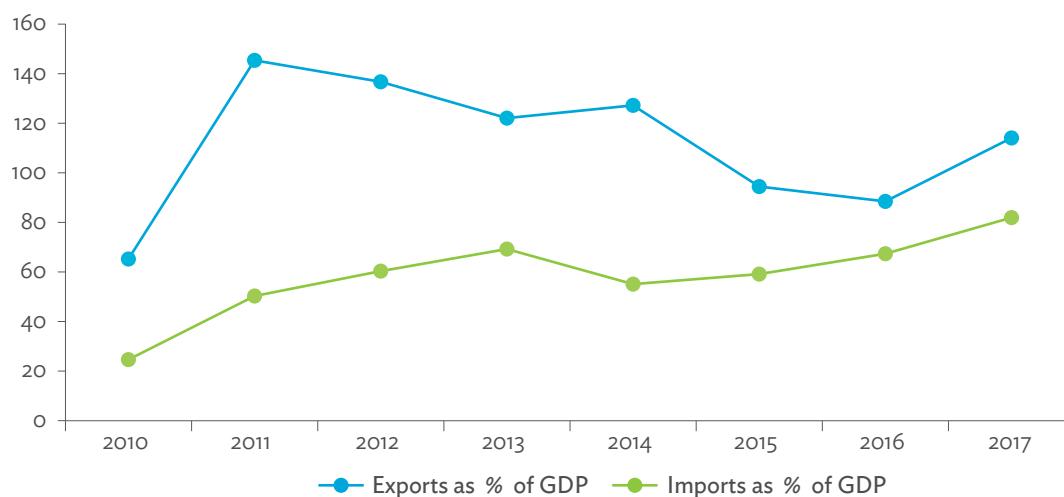
Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

1.3

Brunei Darussalam

Figure 1.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)

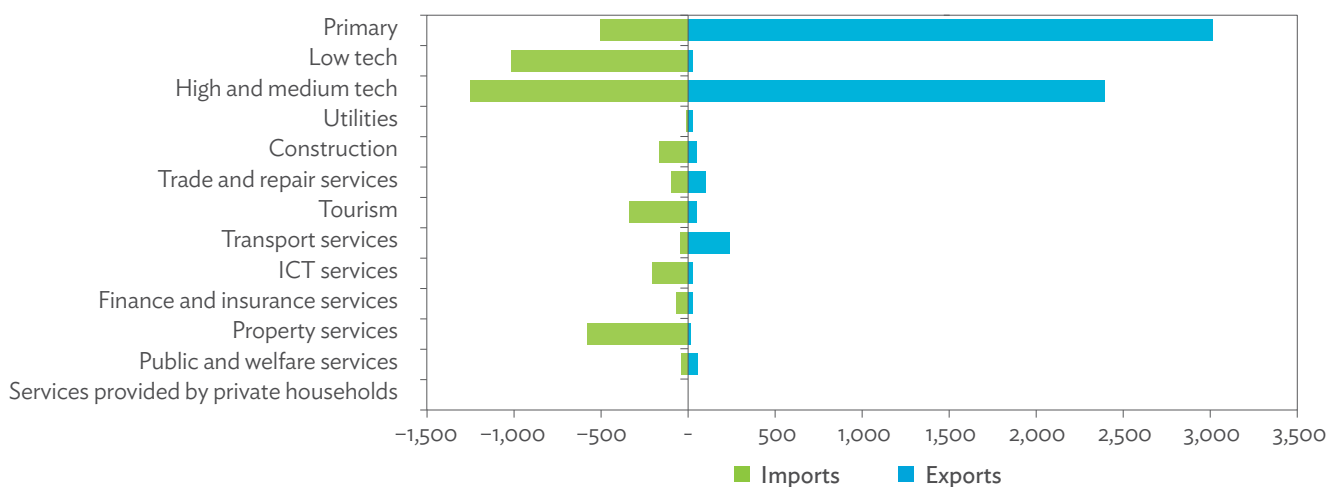


GDP = gross domestic product.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.3.2: Total Foreign Trade by Sector, 2017 (\$ million)

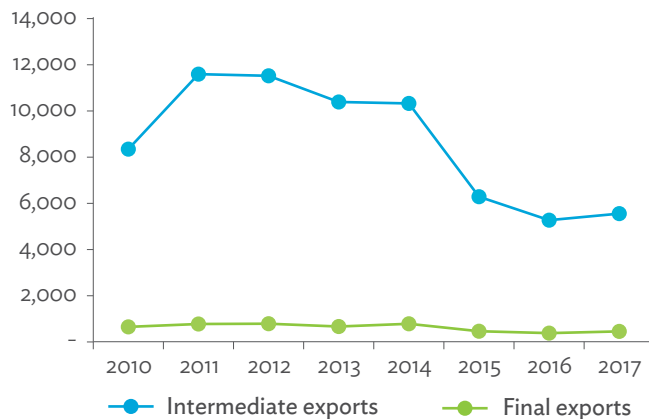


\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 1.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)

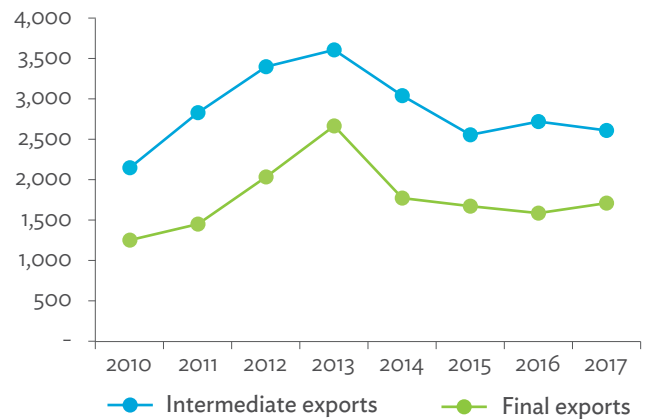


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)

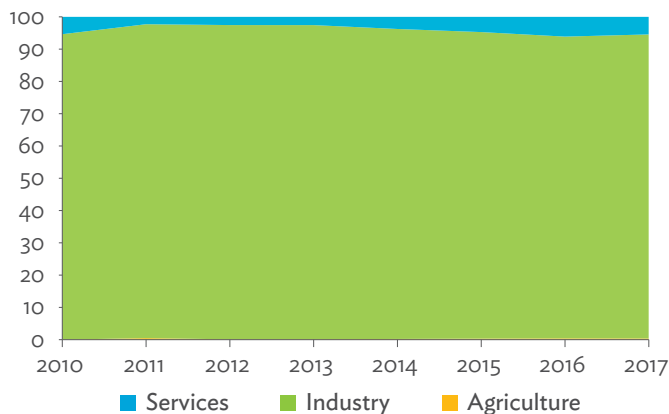


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

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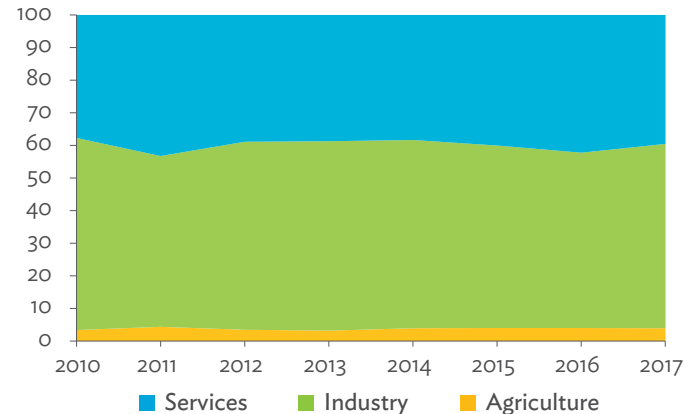
Figure 1.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

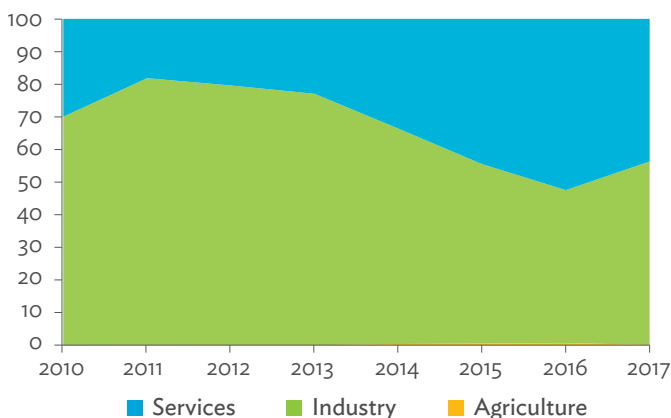
Figure 1.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

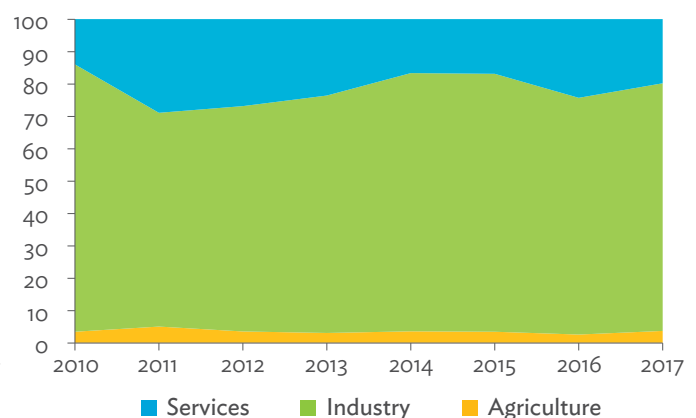
Figure 1.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

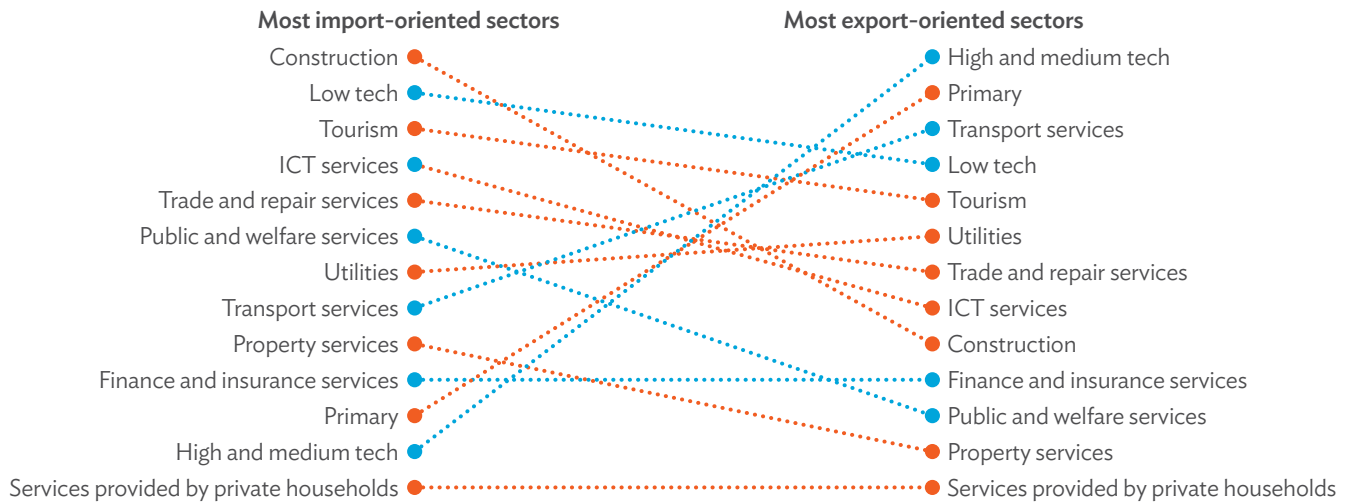
Figure 1.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

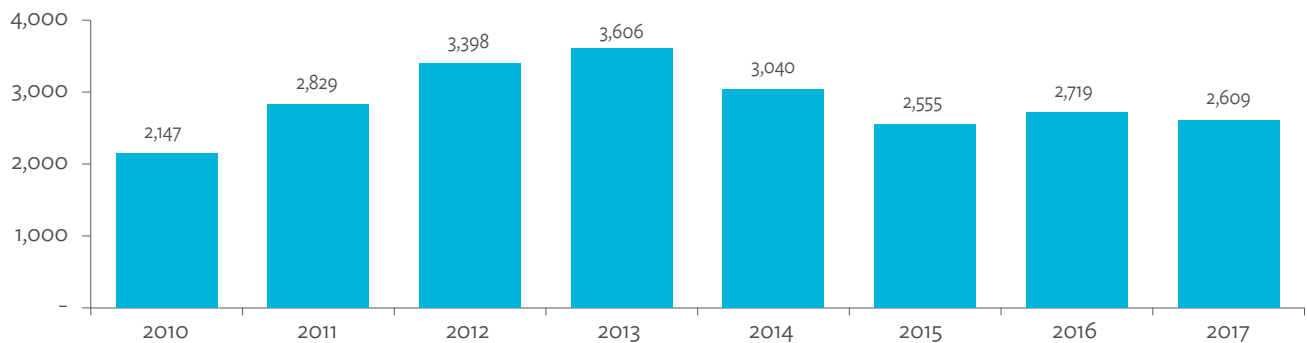
Figure 1.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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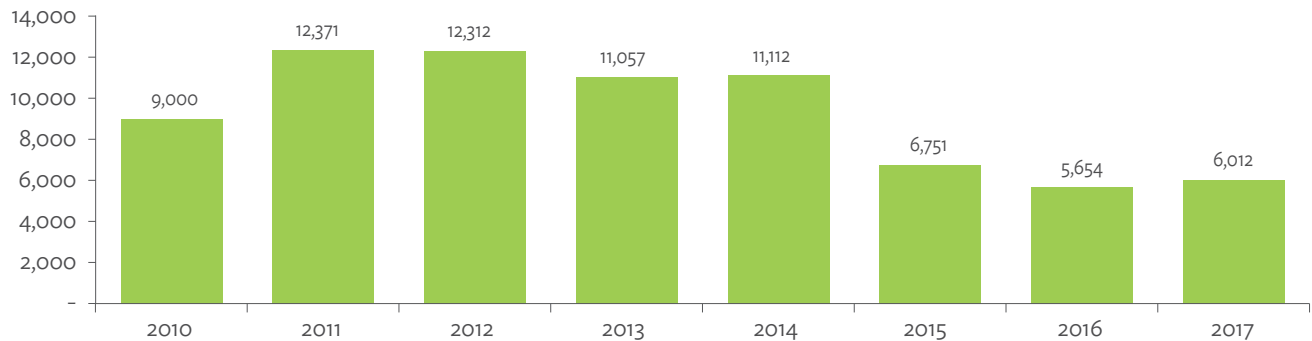
Figure 1.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

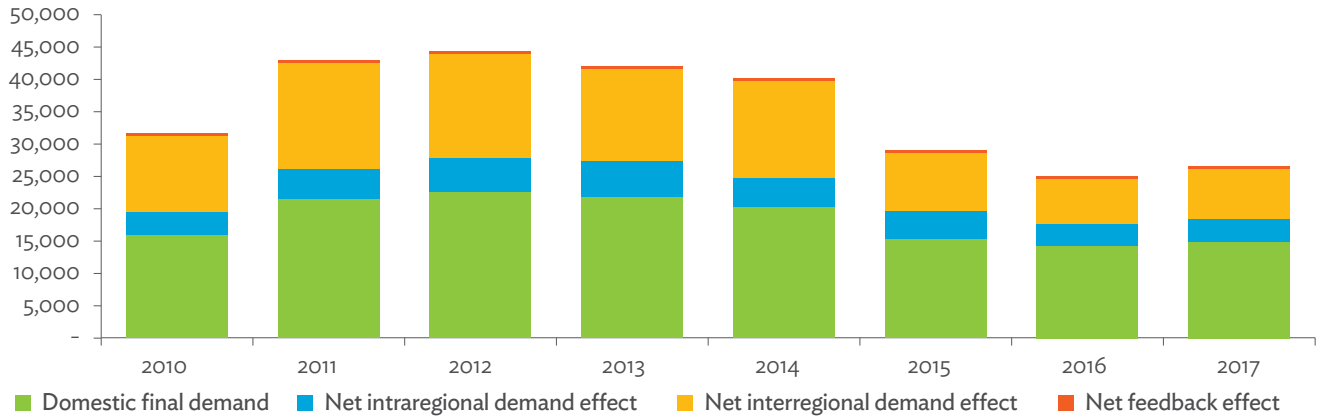
Figure 1.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

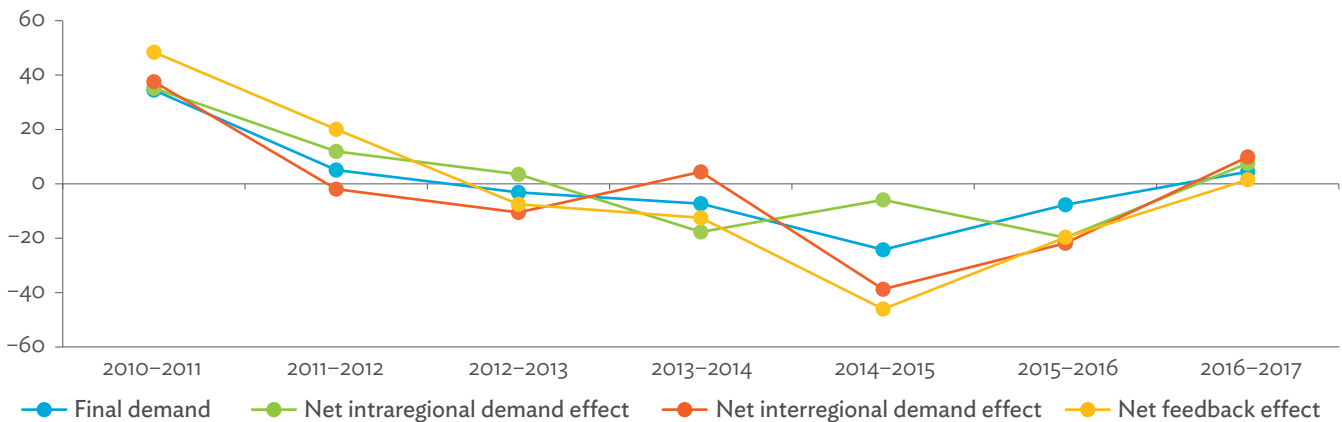


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

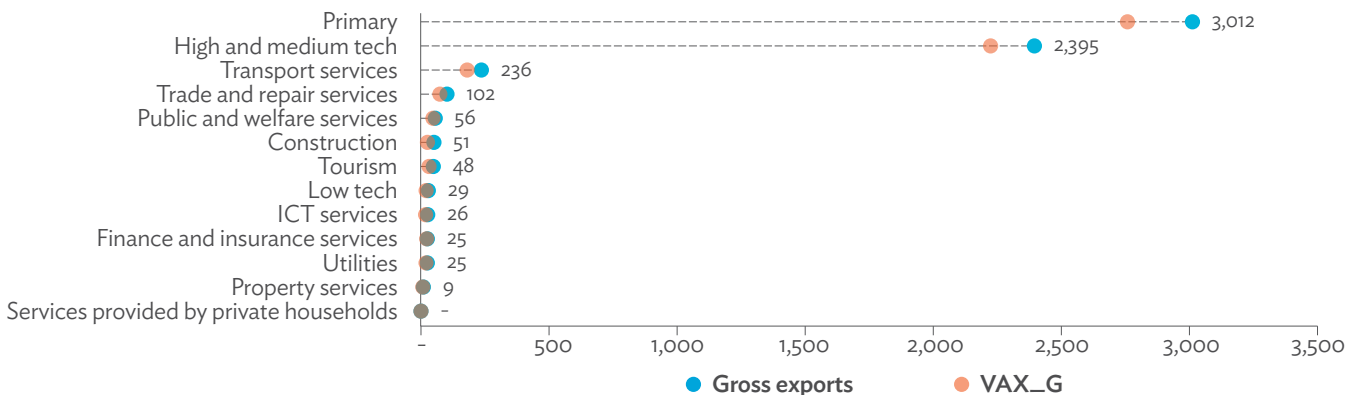
Figure 1.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

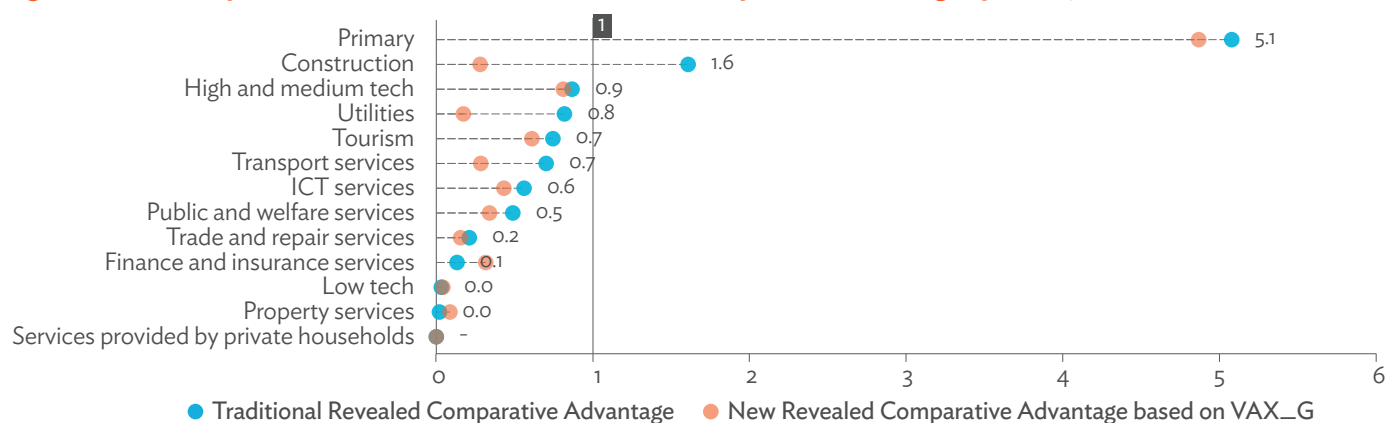


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 1.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Final demand | | | | | | | | |
| Primary | 5,822 | 8,334 | 8,447 | 7,661 | 6,898 | 4,497 | 4,160 | 4,487 |
| Low tech | 1,373 | 1,919 | 2,360 | 2,424 | 1,915 | 1,808 | 1,589 | 1,785 |
| High and medium tech | 3,651 | 5,541 | 5,736 | 5,328 | 5,037 | 3,116 | 2,235 | 2,674 |
| Business service | 2,040 | 2,169 | 2,442 | 2,780 | 2,547 | 2,403 | 2,648 | 2,469 |
| Personal service | 3,145 | 3,595 | 3,668 | 3,749 | 3,946 | 3,591 | 3,600 | 3,452 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 895 | 1,400 | 1,519 | 1,456 | 1,162 | 1,031 | 887 | 956 |
| Low tech | 346 | 477 | 524 | 508 | 378 | 357 | 384 | 311 |
| High and medium tech | 536 | 804 | 901 | 963 | 684 | 754 | 503 | 512 |
| Business service | 1,512 | 1,786 | 2,070 | 2,262 | 2,054 | 1,926 | 1,580 | 1,691 |
| Personal service | 206 | 254 | 271 | 282 | 226 | 170 | 46 | 186 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 1.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|-------|--------|-------|-------|-------|-------|-------|-------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 7,372 | 10,231 | 9,812 | 8,575 | 8,826 | 5,250 | 4,376 | 4,662 |
| Low tech | 111 | 185 | 170 | 147 | 212 | 143 | 122 | 130 |
| High and medium tech | 3,532 | 5,224 | 5,313 | 4,933 | 4,879 | 3,081 | 2,151 | 2,442 |
| Business service | 1,082 | 999 | 1,015 | 955 | 1,327 | 869 | 668 | 785 |
| Personal service | 69 | 93 | 98 | 73 | 85 | 48 | 24 | 51 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 0.31 | 0.45 | 0.54 | 0.49 | 0.42 | 0.22 | 0.19 | 0.19 |
| Low tech | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| High and medium tech | 0.18 | 0.29 | 0.35 | 0.33 | 0.28 | 0.15 | 0.11 | 0.12 |
| Business service | 0.05 | 0.05 | 0.06 | 0.06 | 0.07 | 0.04 | 0.03 | 0.03 |
| Personal service | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 1.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.2862 | 0.2823 | 0.2863 | 0.2814 | 0.3085 | 0.3080 | 0.2911 | 0.2667 |
| Mining and quarrying | 0.2594 | 0.2625 | 0.2506 | 0.2435 | 0.2783 | 0.2687 | 0.1883 | 0.2467 |
| Food, beverages, and tobacco | 0.4439 | 0.4473 | 0.4473 | 0.4412 | 0.4303 | 0.4271 | 0.3215 | 0.3600 |
| Textiles and textile products | 0.1904 | 0.2130 | 0.2110 | 0.2094 | 0.2046 | 0.2230 | 0.1632 | 0.1795 |
| Leather, leather products, and footwear | 0.0016 | 0.0505 | 0.2110 | 0.2094 | 1.6026 | 0.2620 | 0.0506 | 0.0831 |
| Wood and products of wood and cork | 0.4674 | 0.5131 | 0.4939 | 0.4852 | 0.4690 | 0.4934 | 0.2927 | 0.4093 |
| Pulp, paper, paper products, printing, and publishing | 0.4674 | 0.5131 | 0.4939 | 0.4852 | 0.4453 | 0.4760 | 0.0087 | 0.3912 |
| Coke, refined petroleum, and nuclear fuel | 0.7081 | 0.6783 | 0.6327 | 0.6025 | 0.7178 | 0.7238 | 0.6495 | 0.6990 |
| Chemicals and chemical products | 0.7081 | 0.6783 | 0.6327 | 0.6025 | 0.7178 | 0.7238 | 0.6450 | 0.7001 |
| Rubber and plastics | 0.6327 | 0.6952 | 0.6598 | 0.6307 | 0.6295 | 0.6523 | 0.1513 | 0.5767 |
| Other nonmetallic minerals | 0.6327 | 0.6952 | 0.6598 | 0.6307 | 0.6295 | 0.6523 | 0.1513 | 0.5767 |
| Basic metals and fabricated metal | 0.5753 | 0.5712 | 0.5586 | 0.5439 | 0.5749 | 0.5915 | 0.1715 | 0.5294 |
| Machinery, nec | 0.5753 | 0.5712 | 0.5586 | 0.5439 | 0.5749 | 0.5915 | 0.1715 | 0.5294 |
| Electrical and optical equipment | 0.5753 | 0.5712 | 0.5586 | 0.5439 | 0.5749 | 0.5915 | 0.1715 | 0.5294 |
| Transport equipment | 0.5753 | 0.5712 | 0.5586 | 0.5439 | 0.5749 | 0.5915 | 0.1715 | 0.5294 |
| Manufacturing, nec; recycling | 0.5753 | 0.5712 | 0.5586 | 0.5439 | 0.5749 | 0.5915 | 0.1715 | 0.5294 |
| Electricity, gas, and water supply | 0.6777 | 0.6785 | 0.6520 | 0.6377 | 0.6545 | 0.6827 | 0.6180 | 0.6200 |
| Construction | 0.7252 | 0.7828 | 0.7674 | 0.7565 | 0.7096 | 0.7244 | 0.6149 | 0.6347 |
| Sale, maintenance, and repair | 0.6445 | 0.6759 | 0.6735 | 0.6743 | 0.6376 | 0.6793 | 0.5349 | 0.5774 |
| Wholesale trade and commission trade | 0.4053 | 0.4165 | 0.4063 | 0.4037 | 0.3988 | 0.4270 | 0.3402 | 0.3648 |
| Retail trade | 0.4053 | 0.4165 | 0.4063 | 0.4037 | 0.4103 | 0.4330 | 0.3402 | 0.3446 |
| Hotels and restaurants | 0.3728 | 0.3605 | 0.3636 | 0.3588 | 0.3551 | 0.3605 | 0.3231 | 0.3044 |
| Inland transport | 0.7345 | 0.7025 | 0.6840 | 0.6814 | 0.7690 | 0.8045 | 0.6045 | 0.7372 |
| Water transport | 0.9280 | 0.9107 | 0.8942 | 0.8883 | 0.9453 | 1.0105 | 0.8455 | 0.9144 |
| Air transport | 1.0997 | 1.1022 | 1.0639 | 1.0495 | 1.1286 | 1.1991 | 0.8175 | 1.0924 |
| Other supporting and auxiliary transport activities | 0.9801 | 0.9484 | 0.9830 | 0.9879 | 1.0580 | 1.1976 | 0.9801 | 0.9942 |
| Post and telecommunications | 0.5176 | 0.4900 | 0.4710 | 0.4632 | 0.4302 | 0.4834 | 0.3437 | 0.3698 |
| Financial intermediation | 0.2175 | 0.2135 | 0.2094 | 0.2090 | 0.2141 | 0.2335 | 0.2000 | 0.1976 |
| Real estate activities | 0.1138 | 0.1109 | 0.1073 | 0.1018 | 0.1099 | 0.1133 | 0.1035 | 0.1036 |
| Renting of M&Eq and other business activities | 0.5081 | 0.5296 | 0.5366 | 0.5473 | 0.5396 | 0.5912 | 0.4078 | 0.4980 |
| Public administration and defense; compulsory social security | 0.4435 | 0.4288 | 0.4349 | 0.4318 | 0.4276 | 0.4654 | 0.3705 | 0.3941 |
| Education | 0.3072 | 0.3150 | 0.3209 | 0.3228 | 0.2739 | 0.2887 | 0.2750 | 0.2385 |
| Health and social work | 0.4167 | 0.4262 | 0.4314 | 0.4324 | 0.4330 | 0.4414 | 0.3728 | 0.3833 |
| Other community, social, and personal services | 0.1713 | 0.1649 | 0.1607 | 0.1607 | 0.1825 | 0.1986 | 0.1421 | 0.1710 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 1.3.4: Net Interregional Multipliers (M2), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.6429 | 0.6562 | 0.6566 | 0.6713 | 0.6571 | 0.6275 | 0.6456 | 0.7069 |
| Mining and quarrying | 0.1628 | 0.1582 | 0.1772 | 0.1920 | 0.1924 | 0.1818 | 0.2632 | 0.1960 |
| Food, beverages, and tobacco | 1.0298 | 1.0409 | 1.0451 | 1.0655 | 1.1080 | 1.0564 | 1.2005 | 1.1880 |
| Textiles and textile products | 0.4725 | 0.3422 | 0.3441 | 0.3640 | 0.3837 | 0.4054 | 0.4001 | 0.4128 |
| Leather, leather products, and footwear | 1.9454 | 1.9195 | 0.3341 | 1.9071 | 0.4890 | 0.8491 | 0.4508 | 0.4002 |
| Wood and products of wood and cork | 0.8313 | 0.7592 | 0.7901 | 0.8225 | 0.8879 | 0.9009 | 1.0709 | 0.9591 |
| Pulp, paper, paper products, printing, and publishing | 0.8318 | 0.7600 | 0.7911 | 0.8240 | 0.8993 | 0.9265 | 1.4922 | 0.9861 |
| Coke, refined petroleum, and nuclear fuel | 0.1310 | 0.1725 | 0.2388 | 0.2909 | 0.1493 | 0.1469 | 0.2122 | 0.1565 |
| Chemicals and chemical products | 0.1311 | 0.1725 | 0.2388 | 0.2908 | 0.1493 | 0.1469 | 0.2197 | 0.1566 |
| Rubber and plastics | 0.7916 | 0.7209 | 0.7714 | 0.8281 | 0.8613 | 0.8664 | 1.4741 | 0.9429 |
| Other nonmetallic minerals | 0.7905 | 0.7206 | 0.7723 | 0.8276 | 0.8606 | 0.8648 | 1.4779 | 0.9383 |
| Basic metals and fabricated metal | 0.6588 | 0.6565 | 0.6801 | 0.7179 | 0.7099 | 0.7140 | 1.2533 | 0.7748 |
| Machinery, nec | 0.6577 | 0.6556 | 0.6789 | 0.7167 | 0.7090 | 0.7128 | 1.2514 | 0.7727 |
| Electrical and optical equipment | 0.6578 | 0.6559 | 0.6791 | 0.7169 | 0.7092 | 0.7130 | 1.2516 | 0.7738 |
| Transport equipment | 0.6566 | 0.6551 | 0.6779 | 0.7164 | 0.7084 | 0.7118 | 1.2459 | 0.7746 |
| Manufacturing, nec; recycling | 0.6567 | 0.6543 | 0.6771 | 0.7155 | 0.7075 | 0.7106 | 1.2435 | 0.7710 |
| Electricity, gas, and water supply | 0.3861 | 0.3846 | 0.4251 | 0.4592 | 0.4543 | 0.4576 | 0.4517 | 0.4905 |
| Construction | 1.0541 | 0.9823 | 1.0152 | 1.0439 | 1.1362 | 1.1240 | 1.2000 | 1.2214 |
| Sale, maintenance, and repair | 0.7801 | 0.7329 | 0.7444 | 0.7674 | 0.8534 | 0.8884 | 0.8843 | 0.9215 |
| Wholesale trade and commission trade | 0.4491 | 0.4307 | 0.4460 | 0.4615 | 0.4948 | 0.5162 | 0.5081 | 0.5336 |
| Retail trade | 0.4487 | 0.4304 | 0.4455 | 0.4610 | 0.4934 | 0.5073 | 0.5065 | 0.4886 |
| Hotels and restaurants | 0.7473 | 0.7715 | 0.7718 | 0.7890 | 0.8123 | 0.7916 | 0.8175 | 0.8722 |
| Inland transport | 0.2894 | 0.3182 | 0.3390 | 0.3514 | 0.3047 | 0.3059 | 0.4300 | 0.3234 |
| Water transport | 0.3646 | 0.3843 | 0.4070 | 0.4267 | 0.3779 | 0.3855 | 0.4332 | 0.4074 |
| Air transport | 0.5665 | 0.5602 | 0.6095 | 0.6416 | 0.5663 | 0.5751 | 0.9246 | 0.6187 |
| Other supporting and auxiliary transport activities | 0.6148 | 0.6399 | 0.6077 | 0.6156 | 0.6229 | 0.6889 | 0.5605 | 0.6565 |
| Post and telecommunications | 0.5626 | 0.5858 | 0.6100 | 0.6375 | 0.7158 | 0.7832 | 0.7338 | 0.7401 |
| Financial intermediation | 0.2090 | 0.2132 | 0.2194 | 0.2250 | 0.2264 | 0.2410 | 0.2183 | 0.2411 |
| Real estate activities | 0.0753 | 0.0784 | 0.0834 | 0.0895 | 0.0838 | 0.0849 | 0.0888 | 0.0891 |
| Renting of M&Eq and other business activities | 0.5535 | 0.5368 | 0.5313 | 0.5300 | 0.5657 | 0.6077 | 0.6456 | 0.6086 |
| Public administration and defense; compulsory social security | 0.4023 | 0.4218 | 0.4219 | 0.4347 | 0.4583 | 0.4819 | 0.4896 | 0.4887 |
| Education | 0.4165 | 0.4118 | 0.4108 | 0.4184 | 0.4851 | 0.4933 | 0.4620 | 0.5138 |
| Health and social work | 0.5435 | 0.5353 | 0.5389 | 0.5469 | 0.5775 | 0.5722 | 0.5935 | 0.6039 |
| Other community, social, and personal services | 0.1649 | 0.1684 | 0.1748 | 0.1797 | 0.1624 | 0.1732 | 0.1588 | 0.1739 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 1.3.5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Mining and quarrying | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Food, beverages, and tobacco | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Textiles and textile products | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Leather, leather products, and footwear | 0.0002 | 0.0007 | 0.0001 | 0.0002 | 0.0001 | 0.0001 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Pulp, paper, paper products, printing, and publishing | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Coke, refined petroleum, and nuclear fuel | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Chemicals and chemical products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Rubber and plastics | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Other nonmetallic minerals | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Basic metals and fabricated metal | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Machinery, nec | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Electrical and optical equipment | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Transport equipment | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Manufacturing, nec; recycling | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Electricity, gas, and water supply | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Construction | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Sale, maintenance, and repair | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Wholesale trade and commission trade | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Retail trade | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Hotels and restaurants | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 |
| Inland transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water transport | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Air transport | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0000 |
| Other supporting and auxiliary transport activities | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 |
| Post and telecommunications | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 |
| Financial intermediation | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Real estate activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Renting of M&Eq and other business activities | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Public administration and defense; compulsory social security | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Education | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Health and social work | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Other community, social, and personal services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 1.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 4,845 | 4,507 | 6,625 | 6,165 | 6,377 | 5,887 | 5,594 | 5,131 | 5,496 | 5,038 | 3,217 | 2,965 | 2,905 | 2,577 | 3,012 | 2,758 |
| Low tech | 14 | 9 | 40 | 29 | 30 | 20 | 28 | 18 | 48 | 34 | 28 | 20 | 30 | 20 | 29 | 20 |
| High and medium tech | 3,483 | 3,278 | 5,273 | 4,849 | 5,424 | 4,808 | 4,998 | 4,316 | 4,827 | 4,490 | 2,927 | 2,728 | 2,122 | 1,910 | 2,395 | 2,224 |
| Utilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 22 | 23 | 19 | 25 | 20 | 25 | 20 |
| Construction | 14 | 8 | 26 | 15 | 26 | 15 | 18 | 10 | 63 | 34 | 53 | 29 | 50 | 25 | 51 | 25 |
| Trade and repair services | 94 | 73 | 75 | 57 | 74 | 56 | 69 | 52 | 131 | 97 | 107 | 78 | 107 | 78 | 102 | 74 |
| Tourism | 12 | 8 | 21 | 14 | 27 | 19 | 28 | 19 | 59 | 40 | 48 | 33 | 49 | 33 | 48 | 31 |
| Transport services | 437 | 342 | 215 | 166 | 253 | 195 | 255 | 198 | 314 | 248 | 231 | 180 | 245 | 187 | 236 | 180 |
| ICT services | 7 | 6 | 8 | 6 | 8 | 6 | 7 | 5 | 34 | 24 | 25 | 17 | 27 | 19 | 26 | 18 |
| Finance and insurance services | 14 | 13 | 18 | 16 | 18 | 17 | 17 | 15 | 28 | 25 | 23 | 20 | 26 | 23 | 25 | 22 |
| Property services | 49 | 36 | 17 | 13 | 18 | 14 | 18 | 14 | 14 | 11 | 11 | 8 | 10 | 7 | 9 | 7 |
| Public and welfare services | 31 | 25 | 53 | 45 | 55 | 46 | 25 | 21 | 71 | 60 | 58 | 49 | 58 | 49 | 56 | 47 |
| Services provided by private households | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 1.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 4.951 | 4.566 | 4.406 | 4.082 | 4.258 | 4.095 | 4.388 | 4.187 | 4.560 | 4.381 | 4.920 | 4.704 | 5.437 | 5.009 | 5.076 | 4.866 |
| Low tech | 0.011 | 0.022 | 0.023 | 0.033 | 0.017 | 0.025 | 0.017 | 0.024 | 0.029 | 0.038 | 0.028 | 0.035 | 0.035 | 0.043 | 0.032 | 0.042 |
| High and medium tech | 0.827 | 0.749 | 0.912 | 0.824 | 0.950 | 0.874 | 0.982 | 0.911 | 0.943 | 0.857 | 0.935 | 0.874 | 0.819 | 0.766 | 0.866 | 0.810 |
| Utilities | 0.003 | 0.109 | 0.003 | 0.097 | 0.004 | 0.097 | 0.003 | 0.101 | 0.524 | 0.152 | 0.702 | 0.180 | 0.737 | 0.187 | 0.818 | 0.173 |
| Construction | 0.400 | 0.121 | 0.546 | 0.159 | 0.522 | 0.153 | 0.303 | 0.125 | 1.101 | 0.228 | 1.484 | 0.291 | 1.436 | 0.302 | 1.607 | 0.280 |
| Trade and repair services | 0.134 | 0.129 | 0.078 | 0.098 | 0.075 | 0.093 | 0.080 | 0.096 | 0.150 | 0.139 | 0.197 | 0.149 | 0.235 | 0.166 | 0.211 | 0.155 |
| Tourism | 0.121 | 0.383 | 0.158 | 0.328 | 0.212 | 0.338 | 0.236 | 0.374 | 0.492 | 0.525 | 0.665 | 0.641 | 0.707 | 0.611 | 0.744 | 0.610 |
| Transport services | 0.813 | 0.225 | 0.311 | 0.116 | 0.364 | 0.139 | 0.417 | 0.174 | 0.508 | 0.225 | 0.606 | 0.212 | 0.777 | 0.269 | 0.701 | 0.284 |
| ICT services | 0.124 | 0.518 | 0.105 | 0.374 | 0.096 | 0.357 | 0.097 | 0.347 | 0.442 | 0.503 | 0.528 | 0.461 | 0.651 | 0.517 | 0.560 | 0.431 |
| Finance and insurance services | 0.050 | 0.292 | 0.049 | 0.246 | 0.051 | 0.245 | 0.051 | 0.243 | 0.083 | 0.307 | 0.108 | 0.315 | 0.141 | 0.329 | 0.132 | 0.315 |
| Property services | 0.083 | 0.083 | 0.021 | 0.068 | 0.023 | 0.073 | 0.024 | 0.076 | 0.018 | 0.093 | 0.021 | 0.084 | 0.023 | 0.076 | 0.020 | 0.087 |
| Public and welfare services | 0.184 | 0.185 | 0.248 | 0.216 | 0.248 | 0.225 | 0.116 | 0.183 | 0.336 | 0.274 | 0.429 | 0.285 | 0.486 | 0.247 | 0.488 | 0.340 |
| Services provided by private households | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

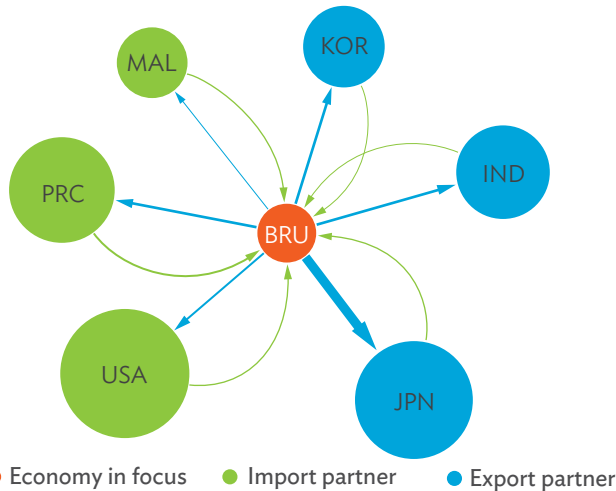
Source: Asian Development Bank Multi-Regional Input-Output Database.

1.4

GLOBAL VALUE CHAIN INDICATORS

Brunei Darussalam

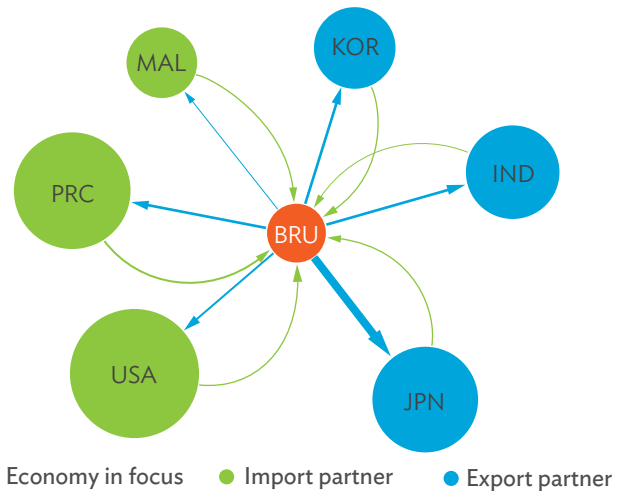
Figure 1.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



BRU = Brunei Darussalam, IND = India, JPN = Japan, KOR = Republic of Korea, MAL = Malaysia, PRC = People's Republic of China, USA = United State.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

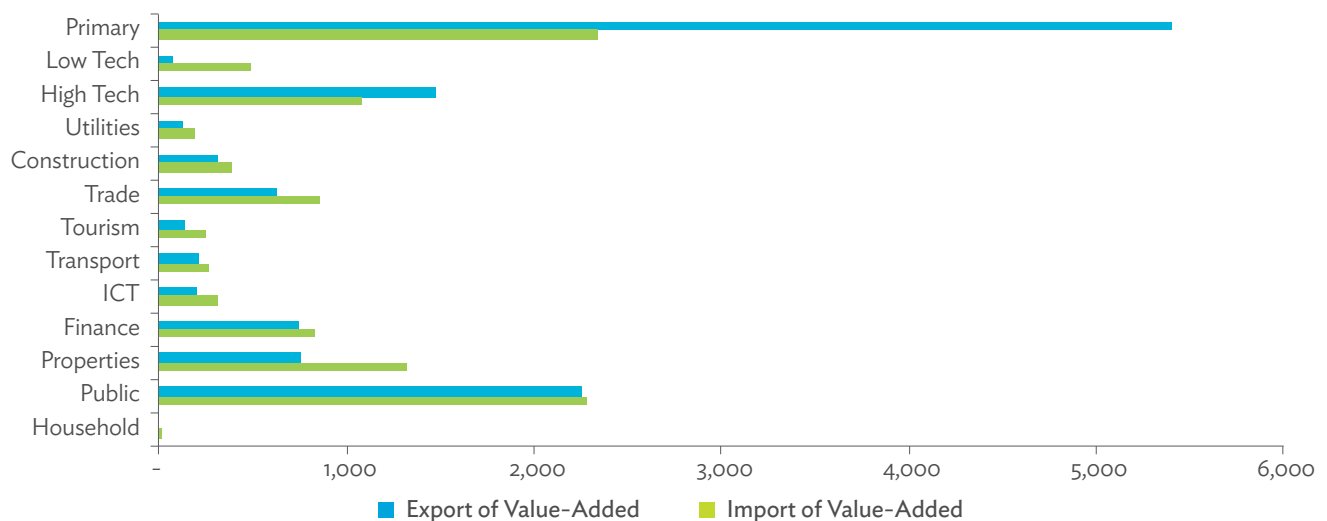
Figure 1.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



BRU = Brunei Darussalam, IND = India, JPN = Japan, KOR = Republic of Korea, MAL = Malaysia, PRC = People's Republic of China, USA = United State.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.4.2: Trade in Value-Added by Industry, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

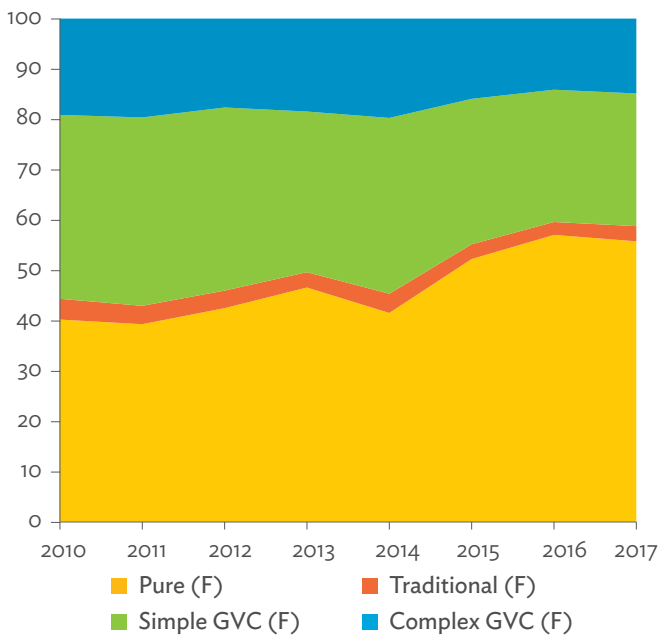
Figure 1.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

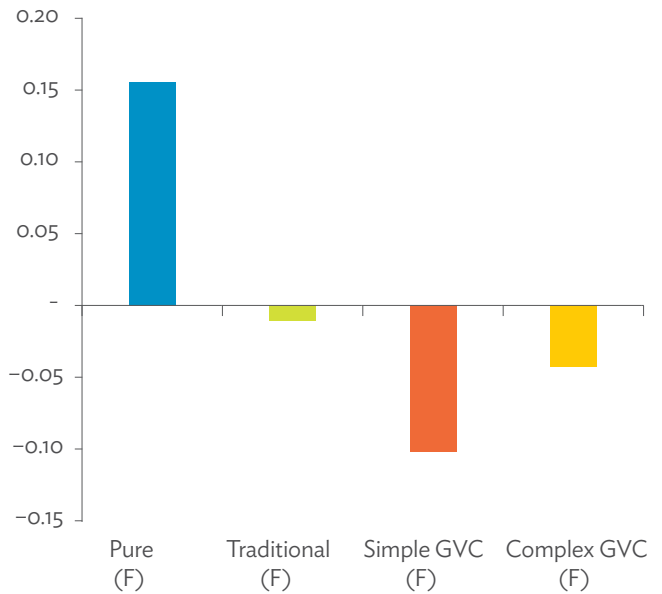
Figure 1.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

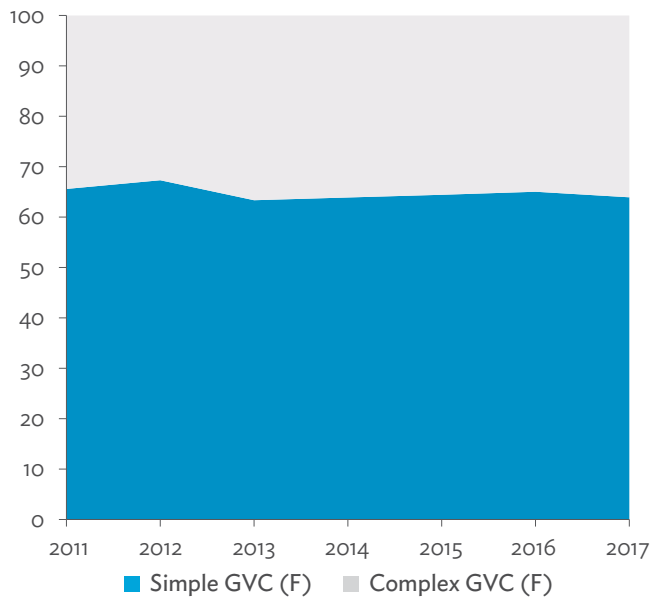
Figure 1.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 1.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)

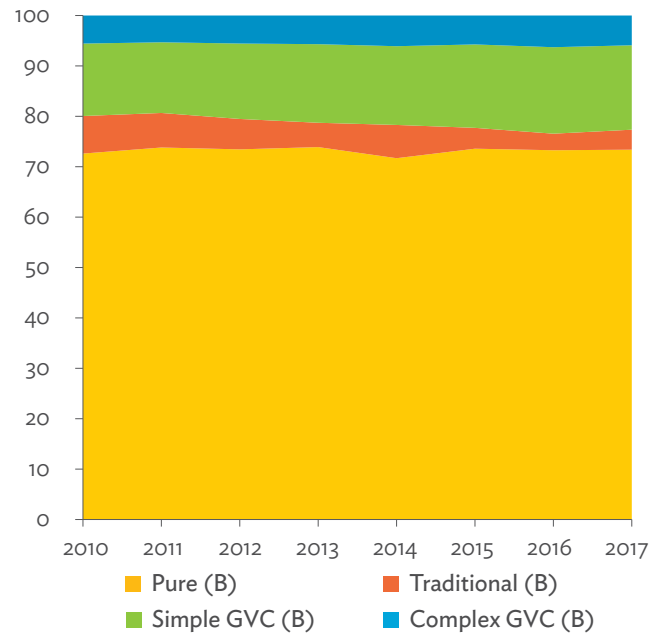


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)

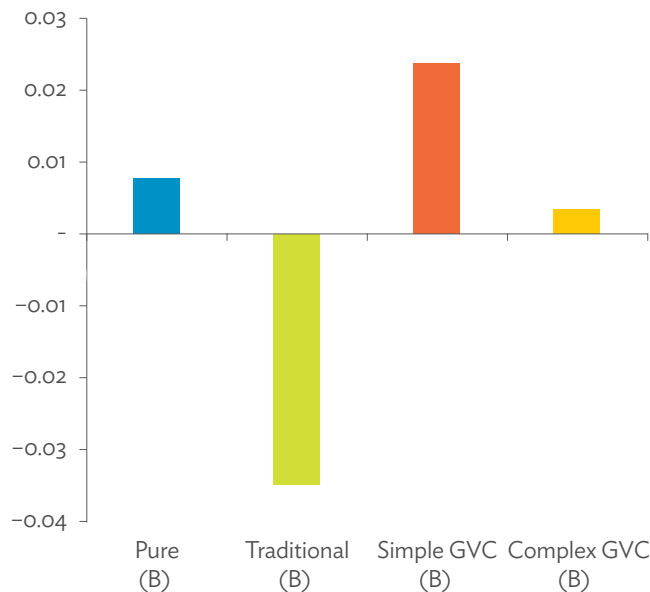


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



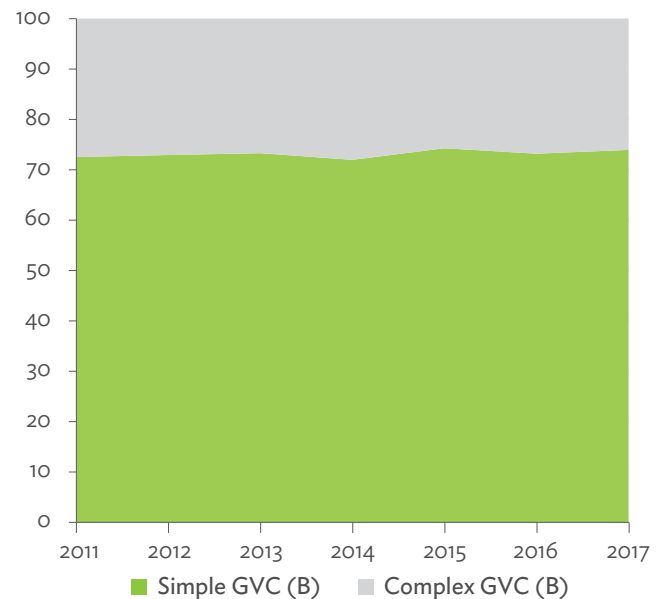
GVC = global value chain.

Note: Share in 2017 minus share in 2010, in percentage points.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)

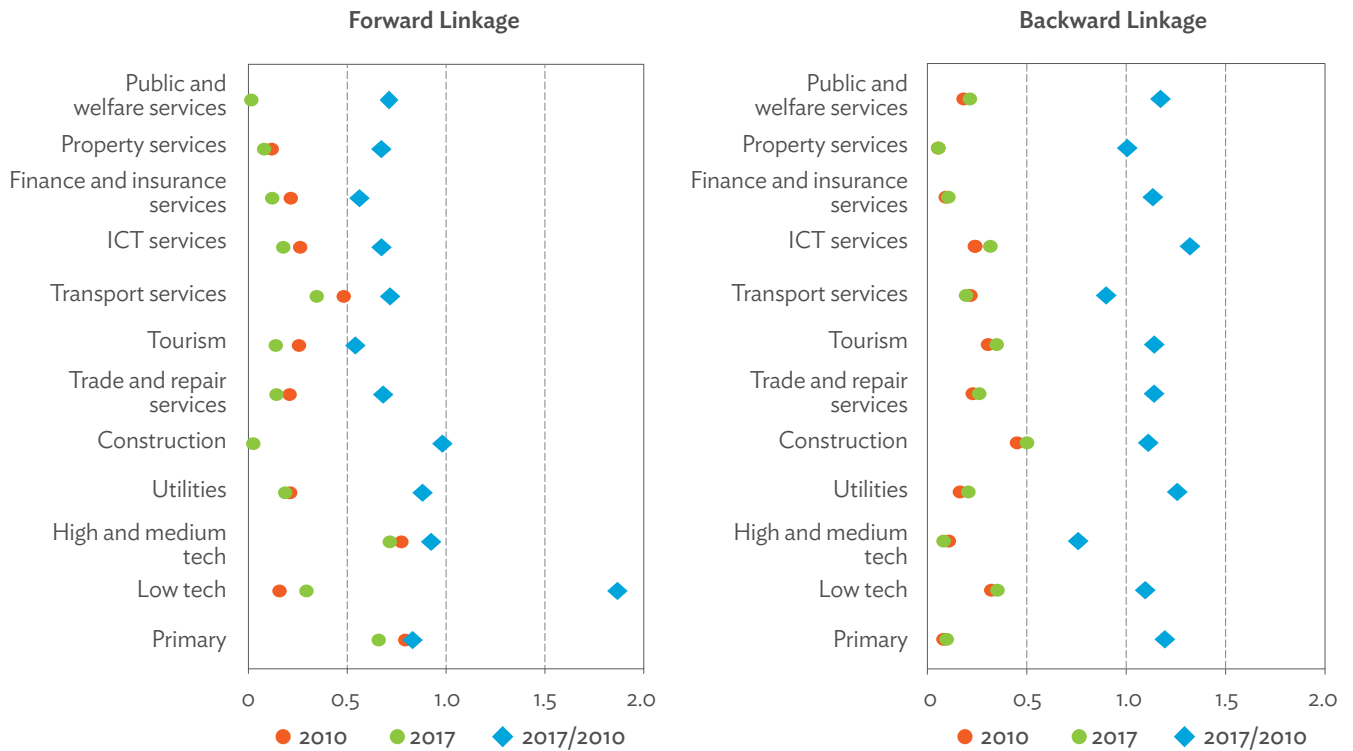


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

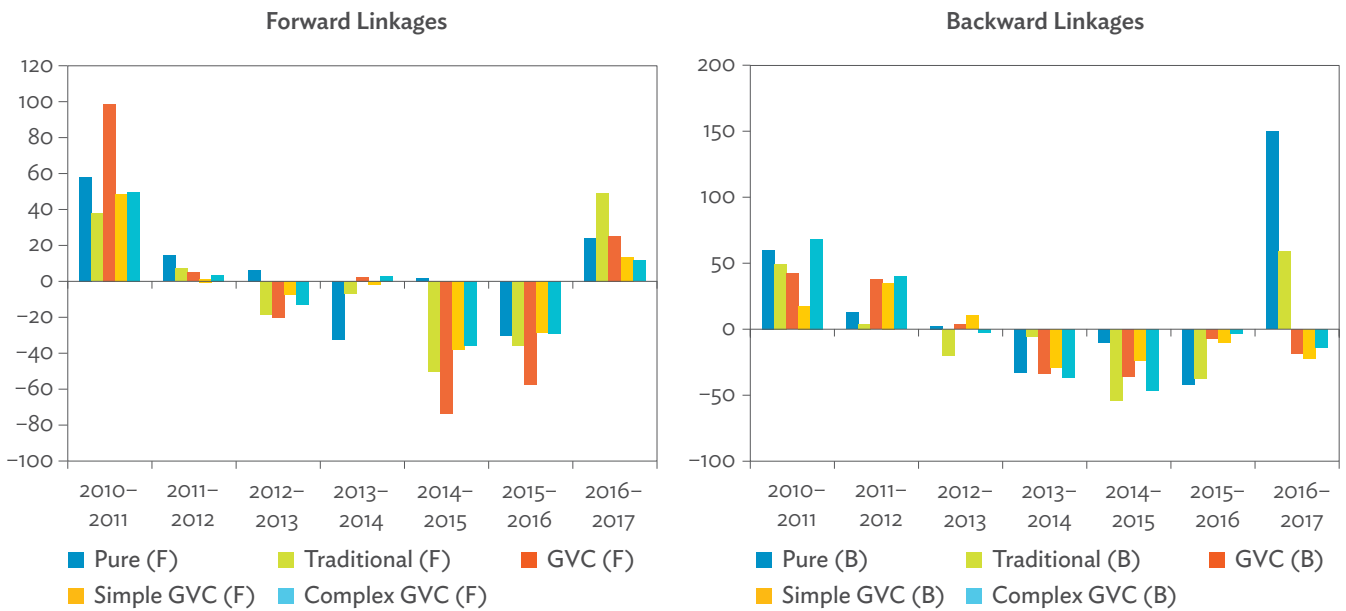
Figure 1.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 1.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

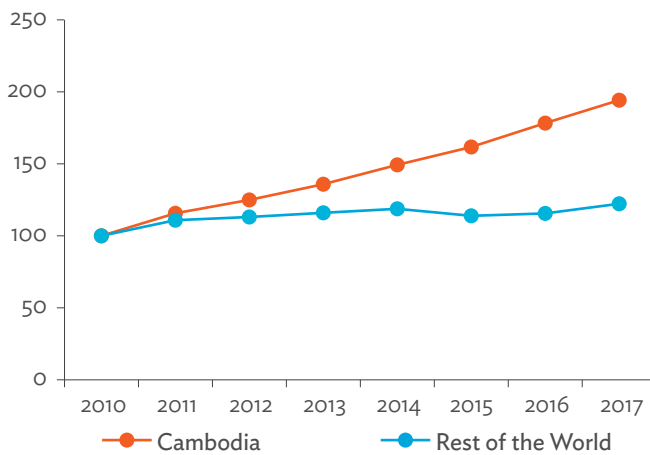
[Click here for figure data](#)

2.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Cambodia

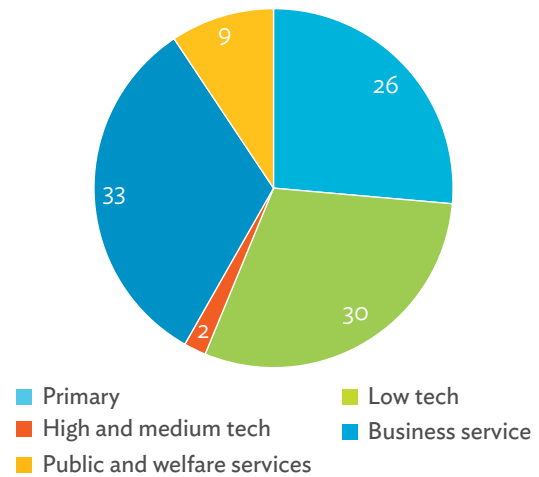
Figure 2.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

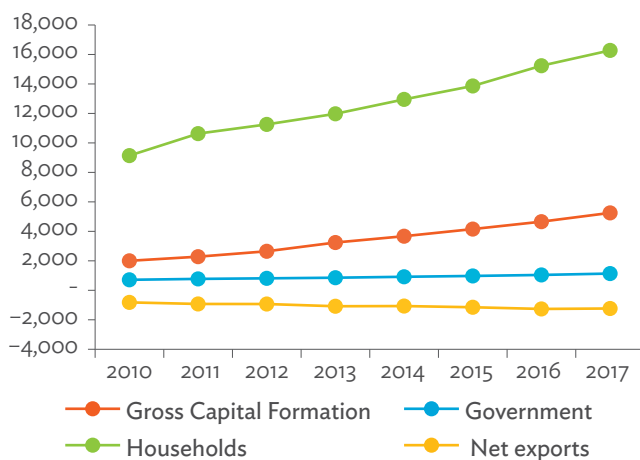
Figure 2.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)

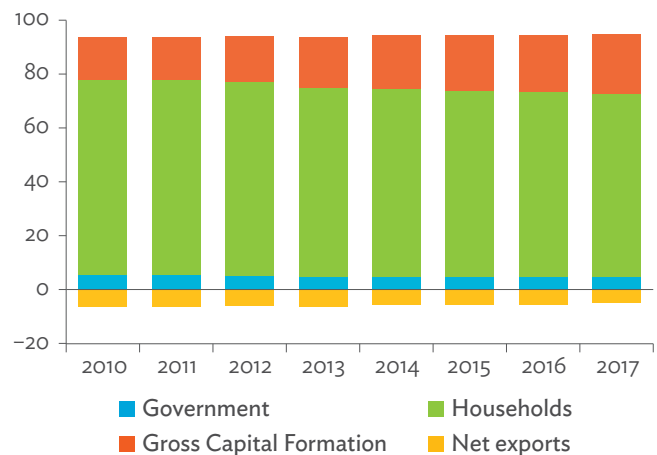


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

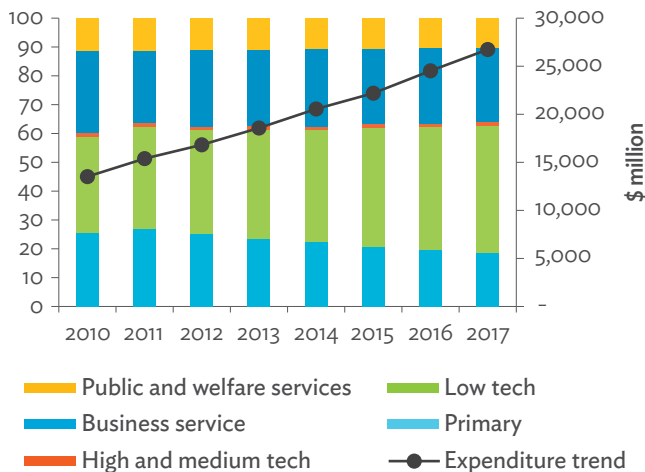
Figure 2.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

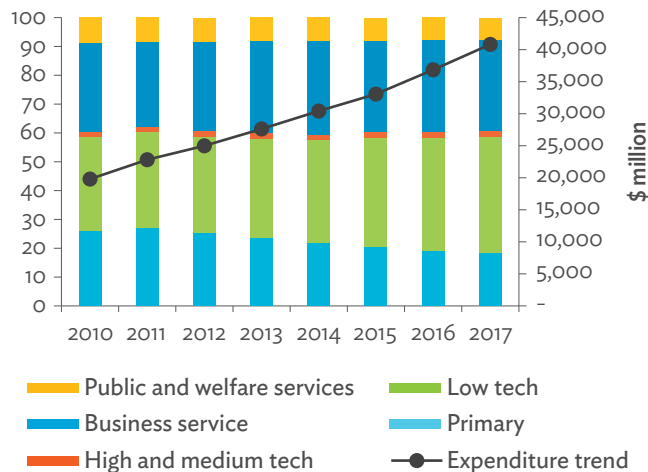
Figure 2.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

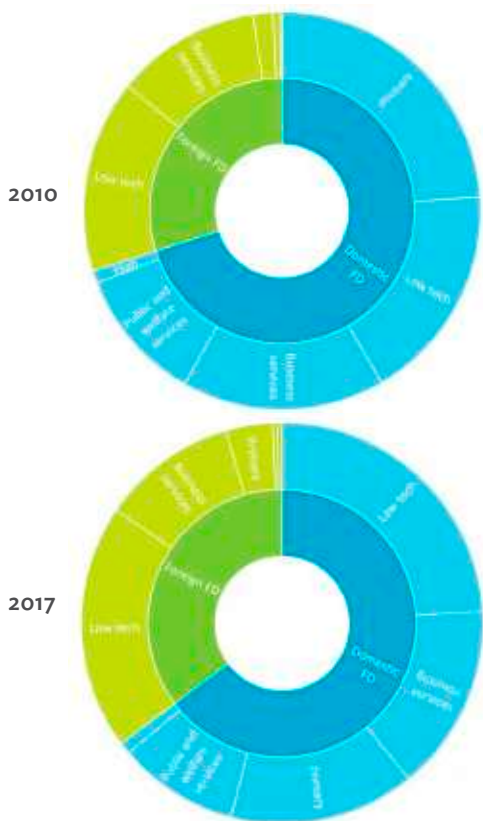
Figure 2.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

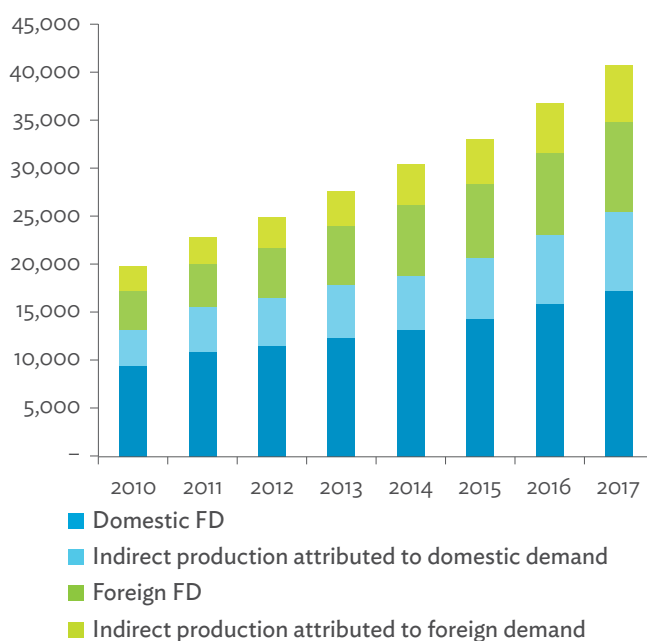
Figure 2.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

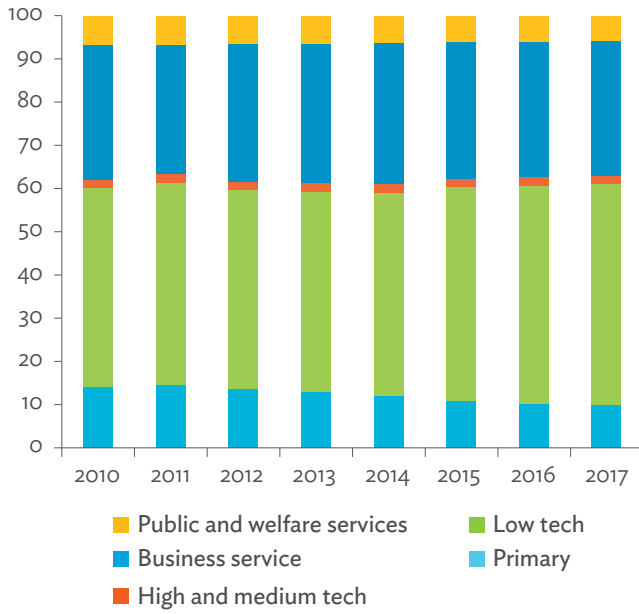
Figure 2.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

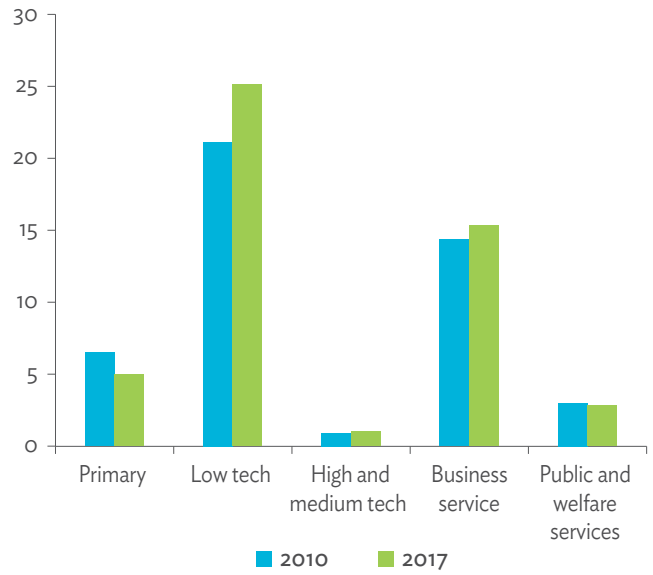
Figure 2.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

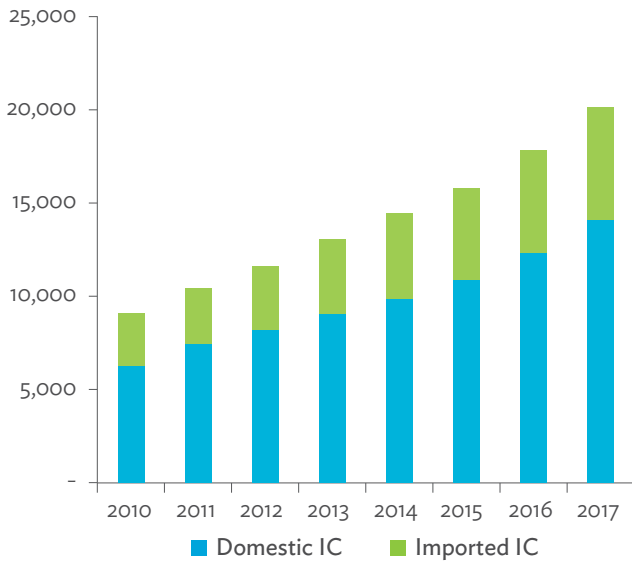
Figure 2.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

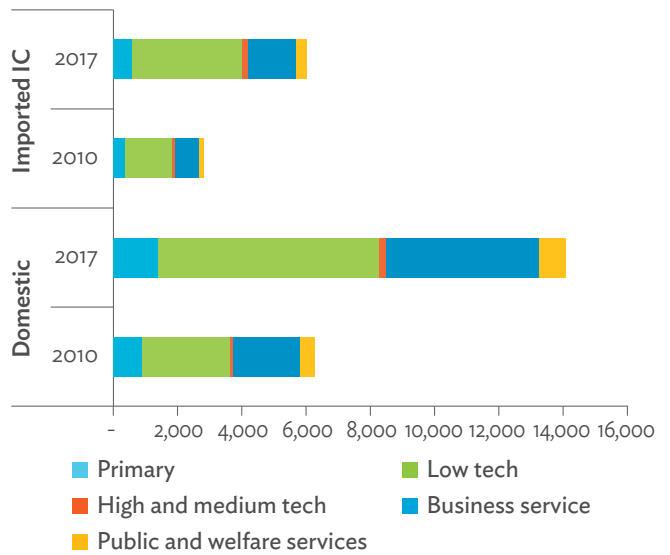


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

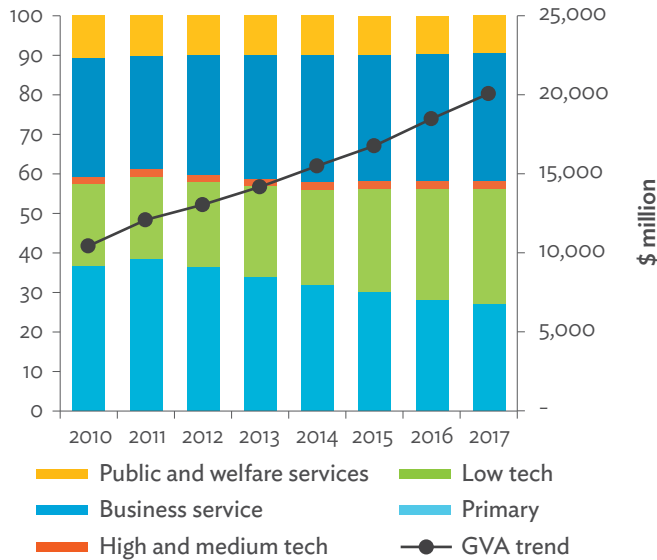


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

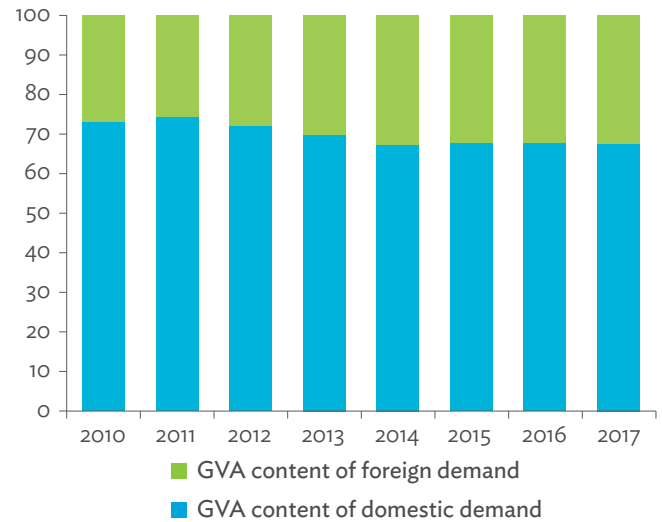
Figure 2.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

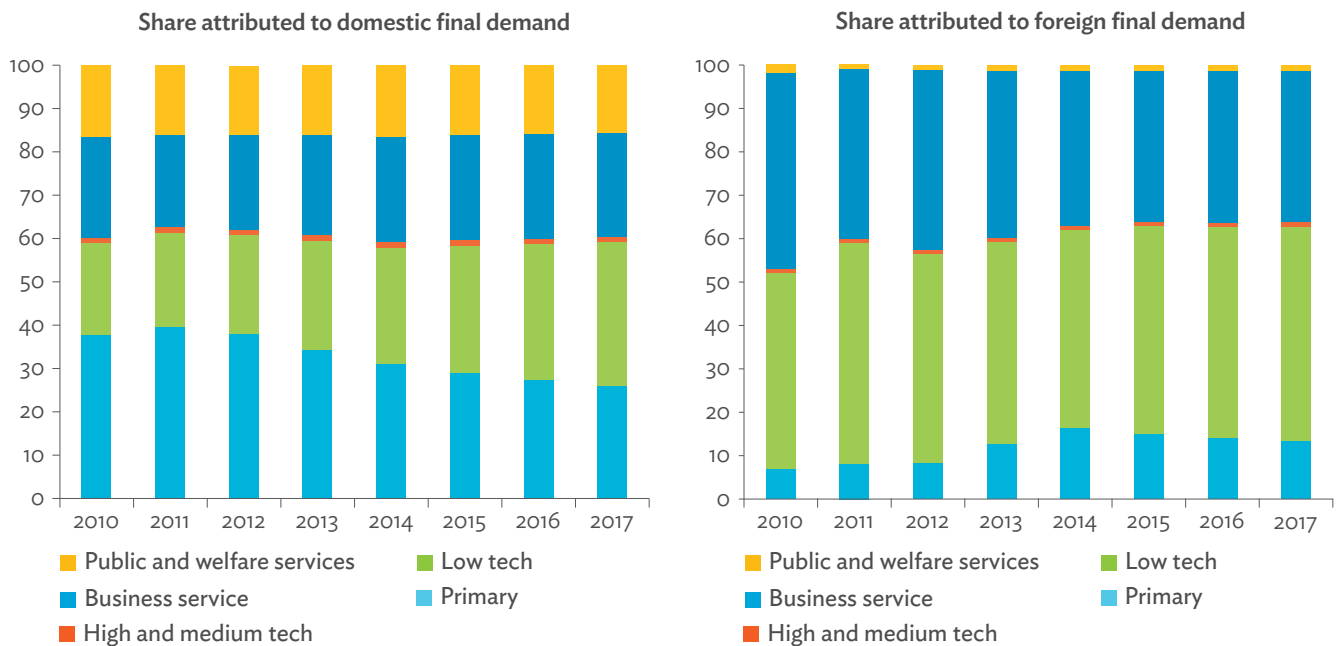
Figure 2.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 2.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 2.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.894 | 0.917 | 0.912 | 0.897 | 0.884 | 0.888 | 0.886 | 0.882 |
| Mining and quarrying | 0.817 | 0.813 | 0.834 | 0.844 | 0.851 | 0.857 | 0.855 | 0.851 |
| Food, beverages, and tobacco | 0.738 | 0.758 | 0.744 | 0.711 | 0.685 | 0.689 | 0.688 | 0.688 |
| Textiles and textile products | 0.597 | 0.603 | 0.599 | 0.594 | 0.589 | 0.597 | 0.600 | 0.602 |
| Leather, leather products, and footwear | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Wood and products of wood and cork | 0.805 | 0.842 | 0.835 | 0.815 | 0.799 | 0.802 | 0.801 | 0.799 |
| Pulp, paper, paper products, printing, and publishing | 0.648 | 0.685 | 0.672 | 0.656 | 0.645 | 0.651 | 0.653 | 0.653 |
| Coke, refined petroleum, and nuclear fuel | 0.157 | 0.271 | 0.320 | 0.104 | 0.268 | 0.275 | 0.281 | 0.300 |
| Chemicals and chemical products | 0.746 | 0.773 | 0.765 | 0.745 | 0.729 | 0.736 | 0.737 | 0.736 |
| Rubber and plastics | 0.487 | 0.512 | 0.504 | 0.493 | 0.485 | 0.495 | 0.498 | 0.503 |
| Other nonmetallic minerals | 0.706 | 0.754 | 0.752 | 0.748 | 0.746 | 0.755 | 0.757 | 0.757 |
| Basic metals and fabricated metal | 0.653 | 0.690 | 0.686 | 0.681 | 0.679 | 0.690 | 0.693 | 0.693 |
| Machinery, nec | 0.556 | 0.427 | 0.424 | 0.415 | 0.411 | 0.419 | 0.424 | 0.431 |
| Electrical and optical equipment | 0.589 | 0.604 | 0.606 | 0.591 | 0.590 | 0.597 | 0.587 | 0.595 |
| Transport equipment | 0.602 | 0.655 | 0.652 | 0.644 | 0.639 | 0.649 | 0.650 | 0.650 |
| Manufacturing, nec; recycling | 0.615 | 0.647 | 0.644 | 0.635 | 0.630 | 0.639 | 0.640 | 0.640 |
| Electricity, gas, and water supply | 0.510 | 0.537 | 0.537 | 0.528 | 0.521 | 0.531 | 0.534 | 0.539 |
| Construction | 0.682 | 0.696 | 0.706 | 0.721 | 0.732 | 0.740 | 0.741 | 0.740 |
| Sale, maintenance, and repair | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Wholesale trade and commission trade | 0.760 | 0.793 | 0.774 | 0.767 | 0.763 | 0.769 | 0.768 | 0.767 |
| Retail trade | 0.744 | 0.768 | 0.748 | 0.739 | 0.733 | 0.740 | 0.740 | 0.738 |
| Hotels and restaurants | 0.828 | 0.844 | 0.829 | 0.813 | 0.801 | 0.804 | 0.802 | 0.799 |
| Inland transport | 0.720 | 0.730 | 0.713 | 0.711 | 0.710 | 0.718 | 0.718 | 0.717 |
| Water transport | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Air transport | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other supporting and auxiliary transport activities | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Post and telecommunications | 0.797 | 0.809 | 0.796 | 0.793 | 0.791 | 0.792 | 0.792 | 0.790 |
| Financial intermediation | 0.931 | 0.947 | 0.937 | 0.938 | 0.939 | 0.943 | 0.942 | 0.938 |
| Real estate activities | 0.841 | 0.867 | 0.860 | 0.859 | 0.859 | 0.862 | 0.863 | 0.861 |
| Renting of M&Eq and other business activities | 0.778 | 0.786 | 0.787 | 0.786 | 0.785 | 0.790 | 0.791 | 0.791 |
| Public administration and defense; compulsory social security | 0.769 | 0.790 | 0.765 | 0.752 | 0.741 | 0.746 | 0.746 | 0.745 |
| Education | 0.904 | 0.904 | 0.891 | 0.876 | 0.865 | 0.870 | 0.869 | 0.866 |
| Health and social work | 0.854 | 0.850 | 0.836 | 0.826 | 0.817 | 0.824 | 0.822 | 0.819 |
| Other community, social, and personal services | 0.890 | 0.870 | 0.863 | 0.853 | 0.846 | 0.851 | 0.849 | 0.845 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 2.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.099 | 0.077 | 0.082 | 0.097 | 0.109 | 0.104 | 0.105 | 0.109 |
| Mining and quarrying | 0.167 | 0.173 | 0.154 | 0.145 | 0.139 | 0.134 | 0.136 | 0.140 |
| Food, beverages, and tobacco | 0.233 | 0.212 | 0.225 | 0.259 | 0.283 | 0.279 | 0.279 | 0.279 |
| Textiles and textile products | 0.365 | 0.361 | 0.364 | 0.371 | 0.372 | 0.366 | 0.362 | 0.359 |
| Leather, leather products, and footwear | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Wood and products of wood and cork | 0.171 | 0.134 | 0.141 | 0.161 | 0.175 | 0.170 | 0.170 | 0.170 |
| Pulp, paper, paper products, printing, and publishing | 0.326 | 0.290 | 0.304 | 0.320 | 0.330 | 0.323 | 0.321 | 0.319 |
| Coke, refined petroleum, and nuclear fuel | 0.830 | 0.706 | 0.654 | 0.886 | 0.707 | 0.700 | 0.694 | 0.674 |
| Chemicals and chemical products | 0.234 | 0.209 | 0.216 | 0.237 | 0.251 | 0.242 | 0.241 | 0.242 |
| Rubber and plastics | 0.471 | 0.450 | 0.458 | 0.469 | 0.475 | 0.465 | 0.462 | 0.457 |
| Other nonmetallic minerals | 0.274 | 0.224 | 0.226 | 0.230 | 0.231 | 0.222 | 0.221 | 0.221 |
| Basic metals and fabricated metal | 0.326 | 0.289 | 0.293 | 0.298 | 0.299 | 0.289 | 0.288 | 0.287 |
| Machinery, nec | 0.410 | 0.547 | 0.549 | 0.559 | 0.561 | 0.555 | 0.550 | 0.542 |
| Electrical and optical equipment | 0.393 | 0.379 | 0.377 | 0.392 | 0.392 | 0.387 | 0.397 | 0.389 |
| Transport equipment | 0.378 | 0.324 | 0.328 | 0.336 | 0.339 | 0.329 | 0.328 | 0.328 |
| Manufacturing, nec; recycling | 0.366 | 0.335 | 0.337 | 0.347 | 0.350 | 0.340 | 0.339 | 0.339 |
| Electricity, gas, and water supply | 0.455 | 0.427 | 0.427 | 0.437 | 0.442 | 0.433 | 0.430 | 0.426 |
| Construction | 0.296 | 0.282 | 0.273 | 0.260 | 0.248 | 0.242 | 0.243 | 0.245 |
| Sale, maintenance, and repair | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Wholesale trade and commission trade | 0.220 | 0.186 | 0.205 | 0.212 | 0.215 | 0.209 | 0.209 | 0.209 |
| Retail trade | 0.232 | 0.207 | 0.228 | 0.237 | 0.241 | 0.234 | 0.234 | 0.234 |
| Hotels and restaurants | 0.151 | 0.134 | 0.150 | 0.166 | 0.177 | 0.173 | 0.174 | 0.175 |
| Inland transport | 0.258 | 0.247 | 0.265 | 0.267 | 0.267 | 0.259 | 0.259 | 0.259 |
| Water transport | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Air transport | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Other supporting and auxiliary transport activities | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Post and telecommunications | 0.176 | 0.166 | 0.179 | 0.183 | 0.183 | 0.180 | 0.180 | 0.181 |
| Financial intermediation | 0.059 | 0.043 | 0.054 | 0.053 | 0.052 | 0.048 | 0.049 | 0.052 |
| Real estate activities | 0.136 | 0.109 | 0.120 | 0.121 | 0.120 | 0.116 | 0.117 | 0.118 |
| Renting of M&Eq and other business activities | 0.192 | 0.180 | 0.185 | 0.187 | 0.186 | 0.180 | 0.179 | 0.180 |
| Public administration and defense; compulsory social security | 0.204 | 0.182 | 0.207 | 0.220 | 0.228 | 0.222 | 0.220 | 0.220 |
| Education | 0.080 | 0.081 | 0.095 | 0.109 | 0.119 | 0.114 | 0.115 | 0.117 |
| Health and social work | 0.134 | 0.137 | 0.150 | 0.161 | 0.168 | 0.161 | 0.162 | 0.164 |
| Other community, social, and personal services | 0.097 | 0.115 | 0.123 | 0.132 | 0.138 | 0.133 | 0.135 | 0.138 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 2.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.226 | 1.251 | 1.250 | 1.246 | 1.233 | 1.231 | 1.240 | 1.259 |
| Mining and quarrying | 1.254 | 1.228 | 1.235 | 1.243 | 1.239 | 1.238 | 1.245 | 1.263 |
| Food, beverages, and tobacco | 1.860 | 1.907 | 1.900 | 1.875 | 1.846 | 1.865 | 1.880 | 1.908 |
| Textiles and textile products | 1.700 | 1.682 | 1.674 | 1.668 | 1.655 | 1.672 | 1.684 | 1.708 |
| Leather, leather products, and footwear | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Wood and products of wood and cork | 1.675 | 1.706 | 1.708 | 1.697 | 1.678 | 1.684 | 1.696 | 1.719 |
| Pulp, paper, paper products, printing, and publishing | 1.584 | 1.640 | 1.628 | 1.619 | 1.603 | 1.616 | 1.628 | 1.652 |
| Coke, refined petroleum, and nuclear fuel | 1.056 | 1.025 | 1.118 | 1.000 | 1.039 | 1.050 | 1.064 | 1.110 |
| Chemicals and chemical products | 1.395 | 1.416 | 1.413 | 1.405 | 1.391 | 1.394 | 1.406 | 1.426 |
| Rubber and plastics | 1.642 | 1.625 | 1.617 | 1.609 | 1.596 | 1.616 | 1.632 | 1.659 |
| Other nonmetallic minerals | 1.341 | 1.403 | 1.399 | 1.397 | 1.387 | 1.389 | 1.396 | 1.413 |
| Basic metals and fabricated metal | 1.317 | 1.370 | 1.364 | 1.362 | 1.354 | 1.360 | 1.368 | 1.386 |
| Machinery, nec | 1.442 | 1.273 | 1.271 | 1.265 | 1.261 | 1.286 | 1.302 | 1.328 |
| Electrical and optical equipment | 1.134 | 1.140 | 1.147 | 1.134 | 1.137 | 1.161 | 1.152 | 1.185 |
| Transport equipment | 1.224 | 1.277 | 1.276 | 1.276 | 1.270 | 1.280 | 1.292 | 1.312 |
| Manufacturing, nec; recycling | 1.224 | 1.244 | 1.242 | 1.241 | 1.236 | 1.248 | 1.259 | 1.279 |
| Electricity, gas, and water supply | 1.731 | 1.767 | 1.769 | 1.759 | 1.745 | 1.758 | 1.769 | 1.792 |
| Construction | 1.346 | 1.376 | 1.382 | 1.394 | 1.395 | 1.401 | 1.412 | 1.432 |
| Sale, maintenance, and repair | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Wholesale trade and commission trade | 1.377 | 1.445 | 1.437 | 1.439 | 1.431 | 1.435 | 1.446 | 1.467 |
| Retail trade | 1.411 | 1.465 | 1.455 | 1.454 | 1.445 | 1.450 | 1.461 | 1.482 |
| Hotels and restaurants | 1.740 | 1.776 | 1.769 | 1.764 | 1.750 | 1.755 | 1.767 | 1.791 |
| Inland transport | 1.359 | 1.384 | 1.375 | 1.381 | 1.377 | 1.382 | 1.392 | 1.411 |
| Water transport | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Air transport | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Other supporting and auxiliary transport activities | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Post and telecommunications | 1.523 | 1.538 | 1.533 | 1.537 | 1.530 | 1.538 | 1.549 | 1.571 |
| Financial intermediation | 1.207 | 1.229 | 1.228 | 1.233 | 1.227 | 1.217 | 1.226 | 1.247 |
| Real estate activities | 1.568 | 1.599 | 1.596 | 1.600 | 1.593 | 1.588 | 1.598 | 1.622 |
| Renting of M&Eq and other business activities | 1.686 | 1.710 | 1.714 | 1.719 | 1.712 | 1.704 | 1.716 | 1.740 |
| Public administration and defense; compulsory social security | 1.589 | 1.640 | 1.623 | 1.618 | 1.604 | 1.607 | 1.617 | 1.639 |
| Education | 1.349 | 1.361 | 1.358 | 1.357 | 1.347 | 1.343 | 1.352 | 1.373 |
| Health and social work | 1.299 | 1.309 | 1.305 | 1.305 | 1.297 | 1.298 | 1.307 | 1.326 |
| Other community, social, and personal services | 1.338 | 1.344 | 1.344 | 1.345 | 1.336 | 1.335 | 1.347 | 1.368 |
| Private households with employed persons | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

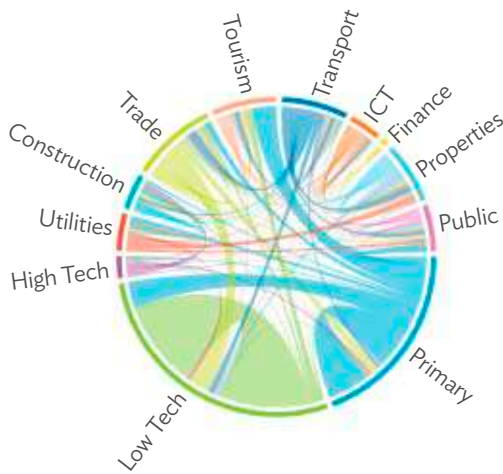
Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

2.2

Cambodia

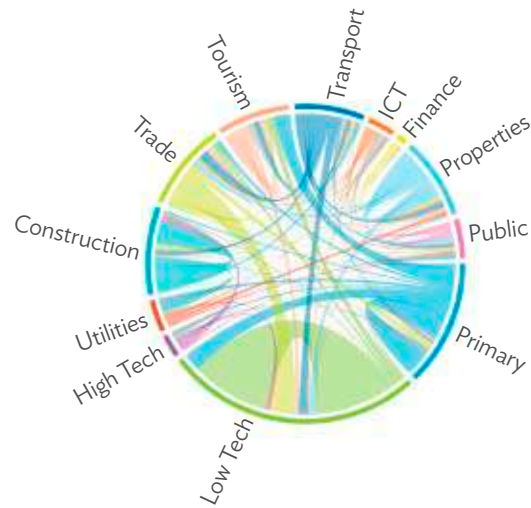
Figure 2.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

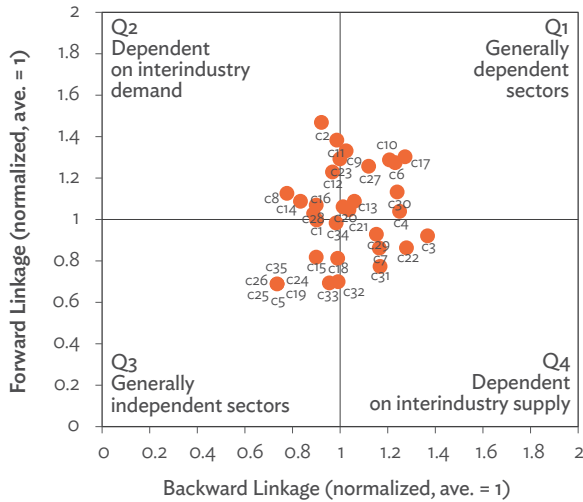
Figure 2.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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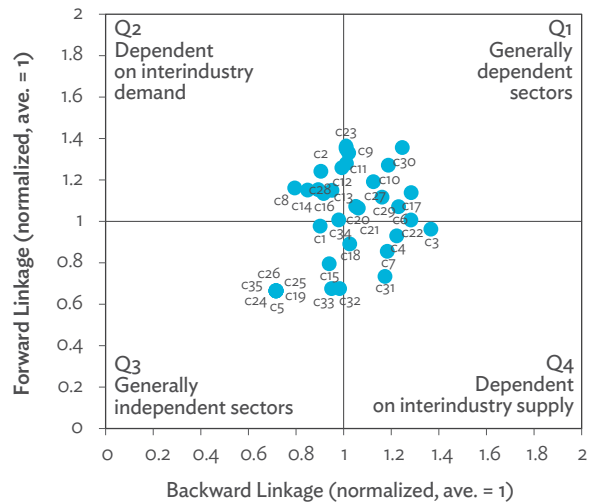
Figure 2.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 2.2.2b: Backward and Forward Linkages by Industry, 2017

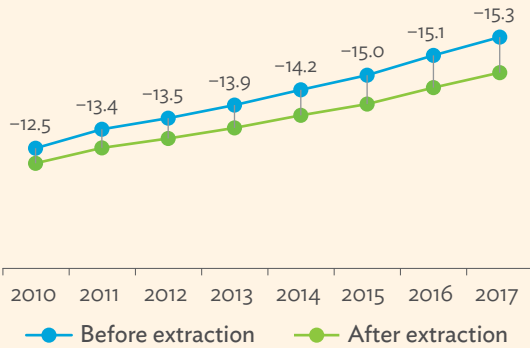


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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Box 2: Hypothetical Extraction of Textiles and Textile Products Industry in Cambodia

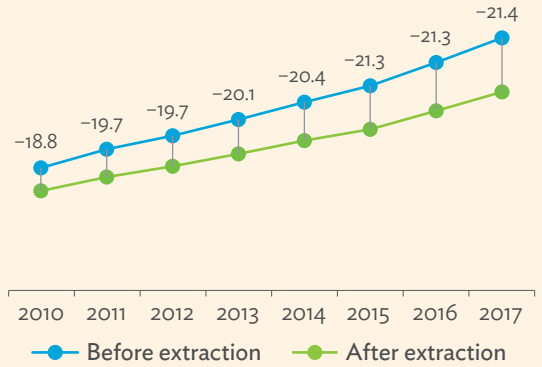
Figure 2.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

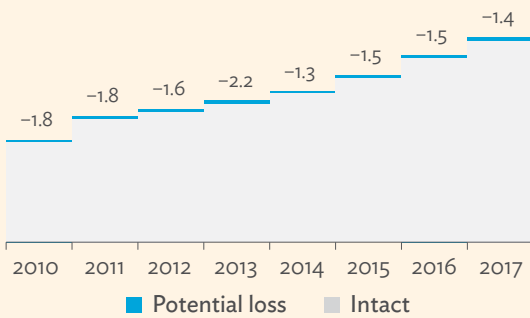
Figure 2.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

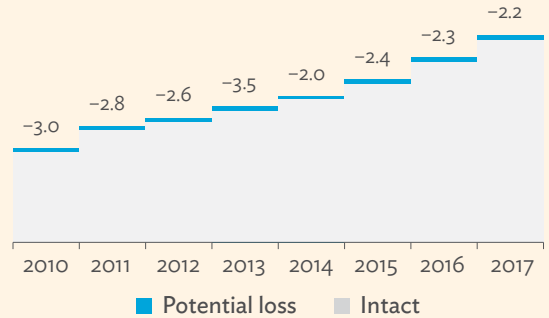
Figure 2.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

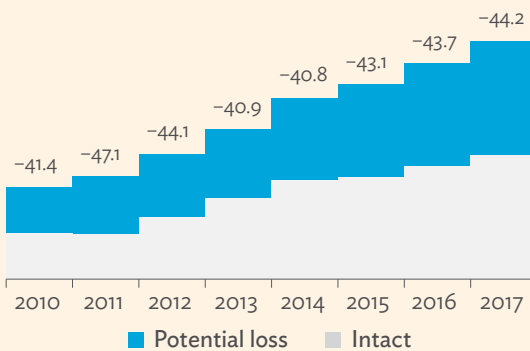
Figure 2.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

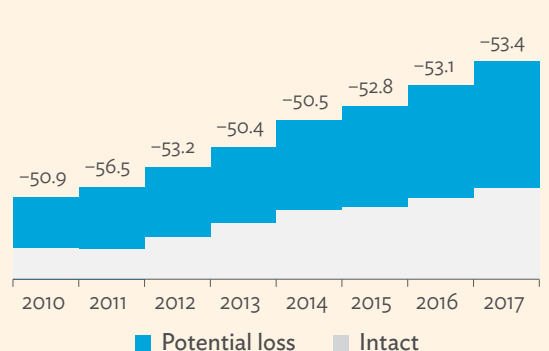
Figure 2.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 2.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.902 | 0.910 | 0.909 | 0.910 | 0.905 | 0.900 | 0.901 | 0.901 |
| Mining and quarrying | 0.922 | 0.893 | 0.898 | 0.907 | 0.909 | 0.904 | 0.904 | 0.905 |
| Food, beverages, and tobacco | 1.368 | 1.387 | 1.382 | 1.369 | 1.354 | 1.362 | 1.365 | 1.367 |
| Textiles and textile products | 1.250 | 1.223 | 1.217 | 1.218 | 1.214 | 1.222 | 1.223 | 1.223 |
| Leather, leather products, and footwear | 0.735 | 0.727 | 0.727 | 0.730 | 0.734 | 0.731 | 0.726 | 0.716 |
| Wood and products of wood and cork | 1.232 | 1.241 | 1.242 | 1.239 | 1.231 | 1.230 | 1.232 | 1.231 |
| Pulp, paper, paper products, printing, and publishing | 1.165 | 1.192 | 1.184 | 1.182 | 1.176 | 1.181 | 1.182 | 1.183 |
| Coke, refined petroleum, and nuclear fuel | 0.777 | 0.746 | 0.813 | 0.730 | 0.762 | 0.767 | 0.773 | 0.795 |
| Chemicals and chemical products | 1.026 | 1.030 | 1.028 | 1.026 | 1.020 | 1.019 | 1.021 | 1.021 |
| Rubber and plastics | 1.208 | 1.182 | 1.176 | 1.175 | 1.171 | 1.181 | 1.185 | 1.188 |
| Other nonmetallic minerals | 0.986 | 1.020 | 1.017 | 1.020 | 1.018 | 1.015 | 1.014 | 1.012 |
| Basic metals and fabricated metal | 0.968 | 0.996 | 0.992 | 0.994 | 0.993 | 0.993 | 0.993 | 0.993 |
| Machinery, nec | 1.060 | 0.925 | 0.924 | 0.924 | 0.925 | 0.940 | 0.945 | 0.951 |
| Electrical and optical equipment | 0.834 | 0.829 | 0.834 | 0.828 | 0.834 | 0.848 | 0.836 | 0.849 |
| Transport equipment | 0.900 | 0.929 | 0.928 | 0.932 | 0.932 | 0.935 | 0.938 | 0.940 |
| Manufacturing, nec; recycling | 0.900 | 0.904 | 0.903 | 0.906 | 0.906 | 0.912 | 0.914 | 0.916 |
| Electricity, gas, and water supply | 1.273 | 1.285 | 1.286 | 1.284 | 1.280 | 1.285 | 1.285 | 1.284 |
| Construction | 0.990 | 1.000 | 1.005 | 1.018 | 1.023 | 1.024 | 1.025 | 1.026 |
| Sale, maintenance, and repair | 0.735 | 0.727 | 0.727 | 0.730 | 0.734 | 0.731 | 0.726 | 0.716 |
| Wholesale trade and commission trade | 1.013 | 1.051 | 1.045 | 1.050 | 1.050 | 1.049 | 1.050 | 1.051 |
| Retail trade | 1.037 | 1.066 | 1.058 | 1.062 | 1.060 | 1.060 | 1.061 | 1.062 |
| Hotels and restaurants | 1.279 | 1.291 | 1.286 | 1.287 | 1.284 | 1.282 | 1.283 | 1.283 |
| Inland transport | 0.999 | 1.006 | 1.000 | 1.008 | 1.010 | 1.010 | 1.011 | 1.011 |
| Water transport | 0.735 | 0.727 | 0.727 | 0.730 | 0.734 | 0.731 | 0.726 | 0.716 |
| Air transport | 0.735 | 0.727 | 0.727 | 0.730 | 0.734 | 0.731 | 0.726 | 0.716 |
| Other supporting and auxiliary transport activities | 0.735 | 0.727 | 0.727 | 0.730 | 0.734 | 0.731 | 0.726 | 0.716 |
| Post and telecommunications | 1.120 | 1.118 | 1.115 | 1.122 | 1.122 | 1.124 | 1.125 | 1.125 |
| Financial intermediation | 0.888 | 0.894 | 0.893 | 0.900 | 0.900 | 0.890 | 0.890 | 0.893 |
| Real estate activities | 1.153 | 1.163 | 1.161 | 1.168 | 1.168 | 1.160 | 1.160 | 1.161 |
| Renting of M&Eq and other business activities | 1.240 | 1.243 | 1.247 | 1.255 | 1.256 | 1.245 | 1.246 | 1.246 |
| Public administration and defense; compulsory social security | 1.168 | 1.192 | 1.180 | 1.181 | 1.176 | 1.174 | 1.174 | 1.174 |
| Education | 0.992 | 0.990 | 0.987 | 0.991 | 0.988 | 0.981 | 0.982 | 0.983 |
| Health and social work | 0.955 | 0.952 | 0.949 | 0.953 | 0.951 | 0.948 | 0.949 | 0.950 |
| Other community, social, and personal services | 0.984 | 0.977 | 0.977 | 0.982 | 0.980 | 0.975 | 0.978 | 0.980 |
| Private households with employed persons | 0.735 | 0.727 | 0.727 | 0.730 | 0.734 | 0.731 | 0.726 | 0.716 |

lowest linkage  highest linkage


M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 2.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.998 | 1.020 | 1.009 | 1.011 | 1.002 | 0.988 | 0.971 | 0.977 |
| Mining and quarrying | 1.469 | 1.301 | 1.299 | 1.309 | 1.308 | 1.277 | 1.238 | 1.242 |
| Food, beverages, and tobacco | 0.921 | 0.960 | 0.953 | 0.969 | 0.978 | 0.971 | 0.956 | 0.963 |
| Textiles and textile products | 1.039 | 1.016 | 0.979 | 0.969 | 0.957 | 0.961 | 0.939 | 0.930 |
| Leather, leather products, and footwear | 0.689 | 0.696 | 0.685 | 0.689 | 0.693 | 0.684 | 0.671 | 0.665 |
| Wood and products of wood and cork | 1.274 | 1.158 | 1.122 | 1.115 | 1.098 | 1.088 | 1.068 | 1.071 |
| Pulp, paper, paper products, printing, and publishing | 0.862 | 0.914 | 0.886 | 0.882 | 0.875 | 0.872 | 0.856 | 0.855 |
| Coke, refined petroleum, and nuclear fuel | 1.126 | 0.938 | 1.401 | 0.998 | 0.904 | 1.408 | 1.378 | 1.161 |
| Chemicals and chemical products | 1.332 | 1.370 | 1.353 | 1.366 | 1.357 | 1.335 | 1.319 | 1.331 |
| Rubber and plastics | 1.288 | 1.287 | 1.253 | 1.277 | 1.286 | 1.274 | 1.264 | 1.271 |
| Other nonmetallic minerals | 1.383 | 1.238 | 1.232 | 1.263 | 1.278 | 1.270 | 1.262 | 1.280 |
| Basic metals and fabricated metal | 1.229 | 1.192 | 1.181 | 1.209 | 1.221 | 1.233 | 1.242 | 1.259 |
| Machinery, nec | 1.088 | 1.066 | 1.050 | 1.052 | 1.046 | 1.087 | 1.122 | 1.150 |
| Electrical and optical equipment | 1.088 | 1.102 | 1.083 | 1.088 | 1.081 | 0.774 | 1.131 | 1.151 |
| Transport equipment | 0.818 | 0.807 | 0.789 | 0.786 | 0.780 | 0.788 | 0.790 | 0.795 |
| Manufacturing, nec; recycling | 1.070 | 1.084 | 1.067 | 1.079 | 1.080 | 1.100 | 1.115 | 1.135 |
| Electricity, gas, and water supply | 1.303 | 1.139 | 1.149 | 1.169 | 1.175 | 1.150 | 1.128 | 1.139 |
| Construction | 0.813 | 0.817 | 0.810 | 0.812 | 0.812 | 0.837 | 0.867 | 0.891 |
| Sale, maintenance, and repair | 0.689 | 0.696 | 0.685 | 0.689 | 0.693 | 0.684 | 0.671 | 0.665 |
| Wholesale trade and commission trade | 1.062 | 1.066 | 1.043 | 1.063 | 1.072 | 1.073 | 1.063 | 1.072 |
| Retail trade | 1.047 | 1.050 | 1.029 | 1.044 | 1.050 | 1.057 | 1.053 | 1.064 |
| Hotels and restaurants | 0.863 | 1.028 | 0.992 | 1.014 | 1.025 | 1.021 | 1.004 | 1.007 |
| Inland transport | 1.293 | 1.363 | 1.333 | 1.362 | 1.371 | 1.364 | 1.348 | 1.356 |
| Water transport | 0.689 | 0.696 | 0.685 | 0.689 | 0.693 | 0.684 | 0.671 | 0.665 |
| Air transport | 0.689 | 0.696 | 0.685 | 0.689 | 0.693 | 0.684 | 0.671 | 0.665 |
| Other supporting and auxiliary transport activities | 0.689 | 0.696 | 0.685 | 0.689 | 0.693 | 0.684 | 0.671 | 0.665 |
| Post and telecommunications | 1.257 | 1.200 | 1.179 | 1.205 | 1.213 | 1.197 | 1.181 | 1.192 |
| Financial intermediation | 1.030 | 1.125 | 1.131 | 1.157 | 1.166 | 1.149 | 1.136 | 1.153 |
| Real estate activities | 0.929 | 1.083 | 1.095 | 1.121 | 1.133 | 1.115 | 1.103 | 1.117 |
| Renting of M&Eq and other business activities | 1.133 | 1.346 | 1.343 | 1.372 | 1.380 | 1.359 | 1.342 | 1.357 |
| Public administration and defense; compulsory social security | 0.774 | 0.749 | 0.745 | 0.755 | 0.761 | 0.750 | 0.737 | 0.734 |
| Education | 0.700 | 0.705 | 0.694 | 0.700 | 0.703 | 0.694 | 0.681 | 0.676 |
| Health and social work | 0.694 | 0.704 | 0.694 | 0.700 | 0.703 | 0.694 | 0.681 | 0.676 |
| Other community, social, and personal services | 0.983 | 1.000 | 0.996 | 1.018 | 1.028 | 1.013 | 0.999 | 1.007 |
| Private households with employed persons | 0.689 | 0.696 | 0.685 | 0.689 | 0.693 | 0.684 | 0.671 | 0.665 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

2.3

Cambodia

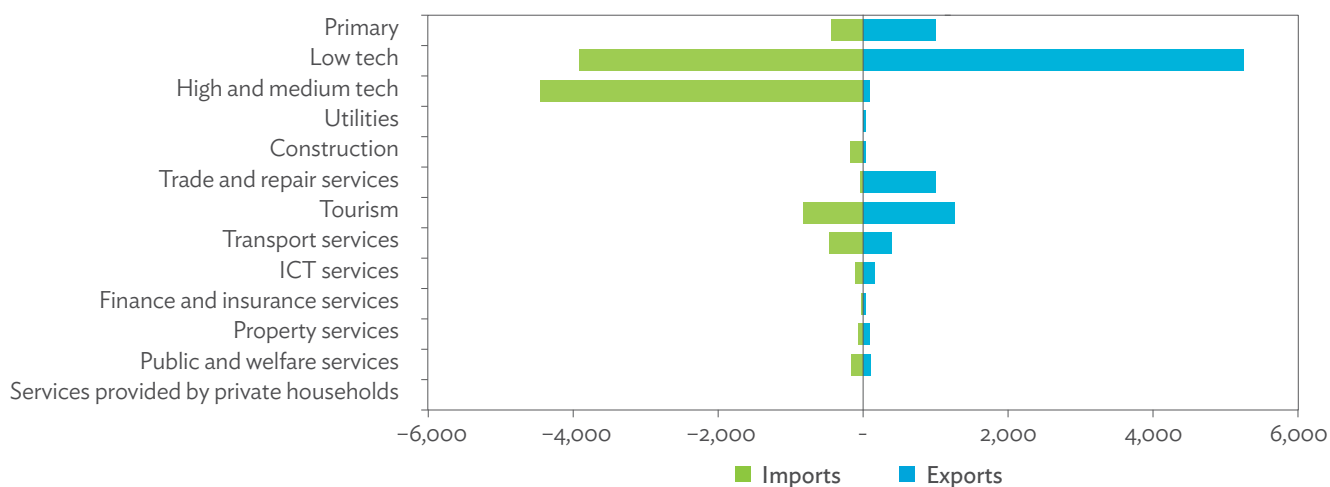
Figure 2.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)



GDP = gross domestic product.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

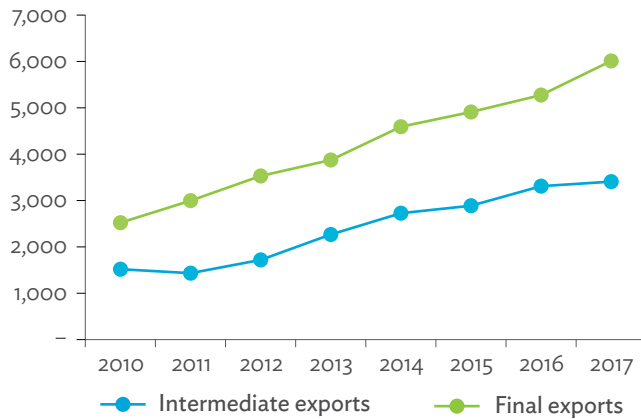
Figure 2.3.2: Total Foreign Trade by Sector, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

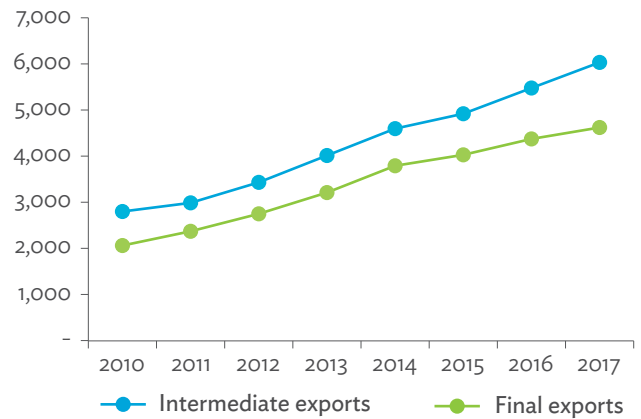
Figure 2.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

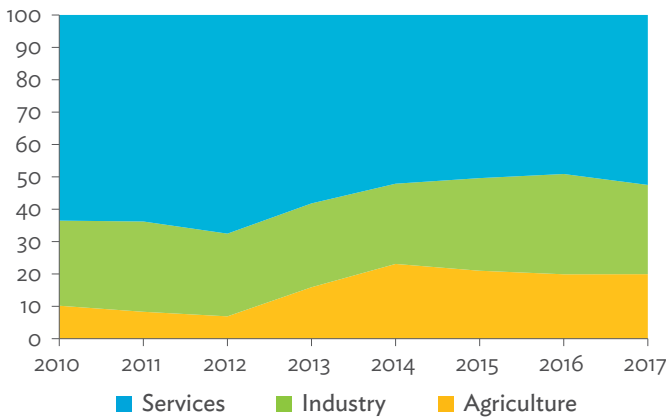
Figure 2.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

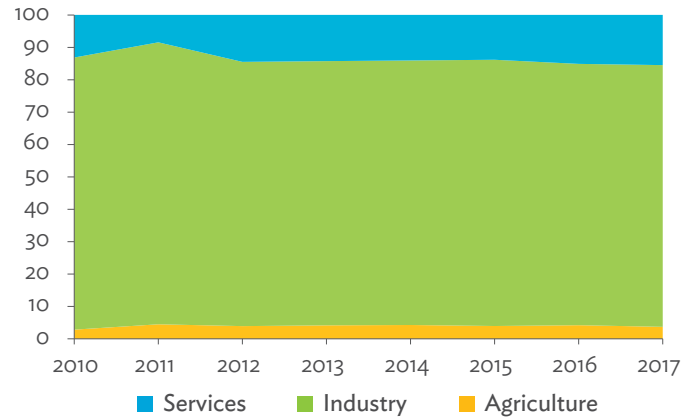
Figure 2.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

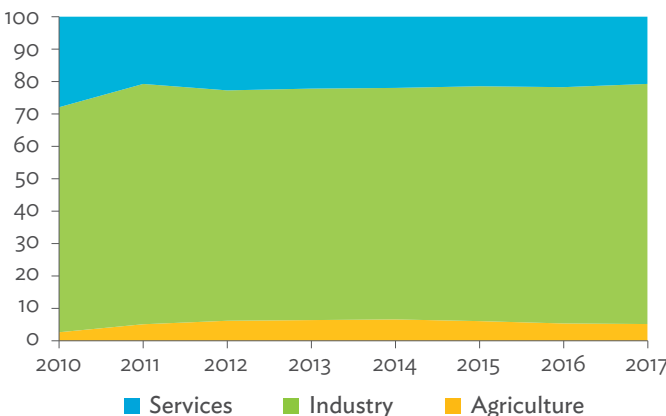
Figure 2.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

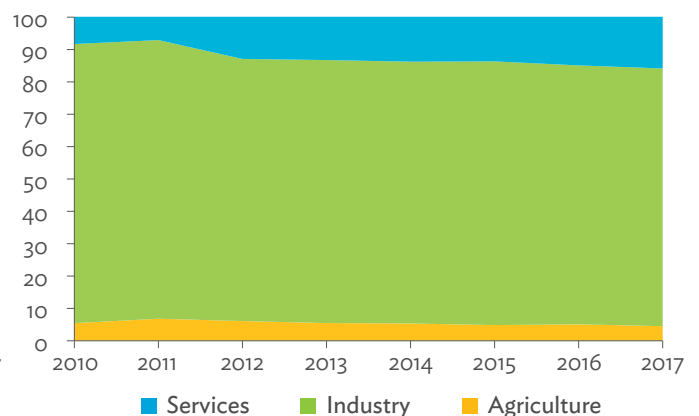
Figure 2.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

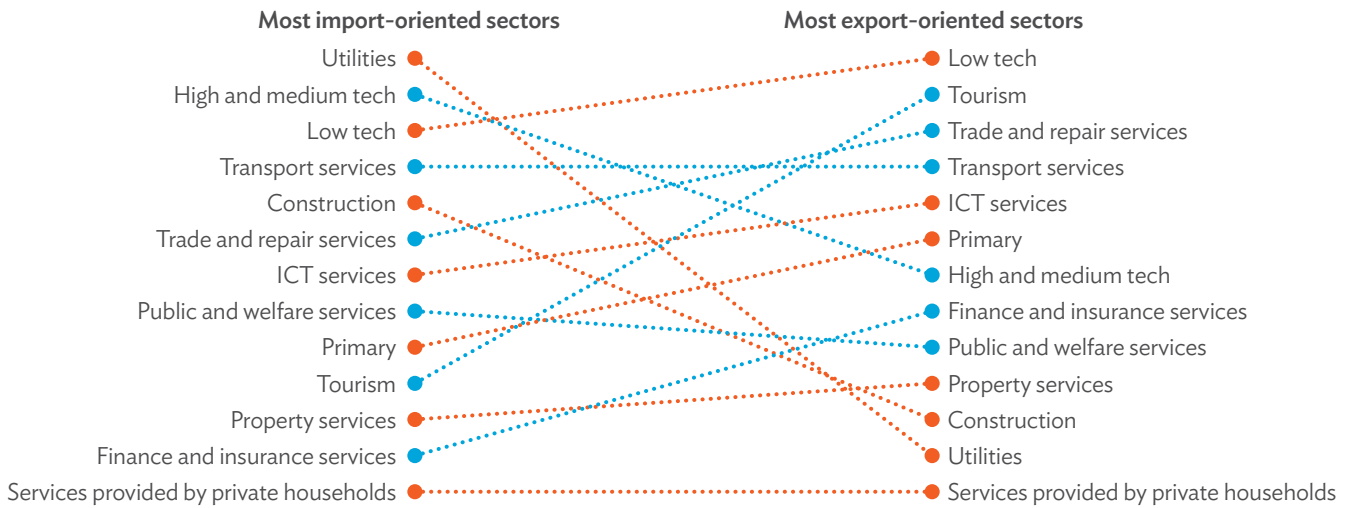
Figure 2.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

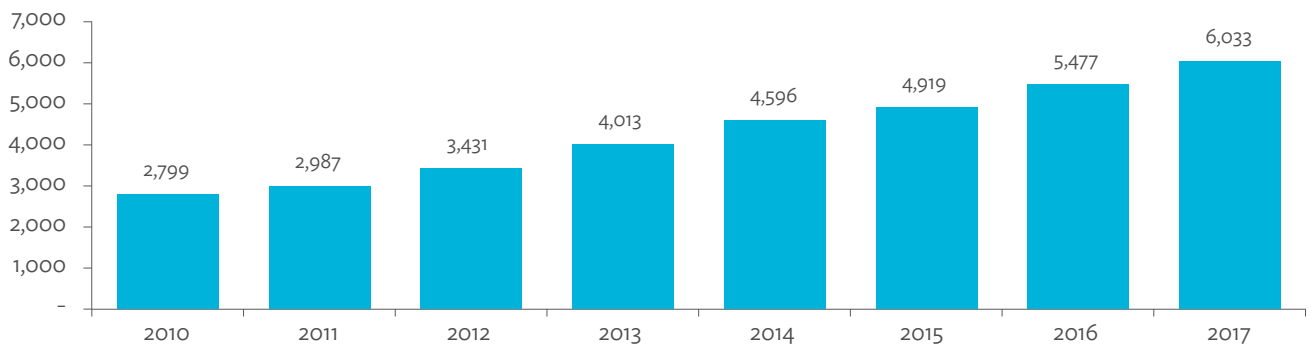
Figure 2.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

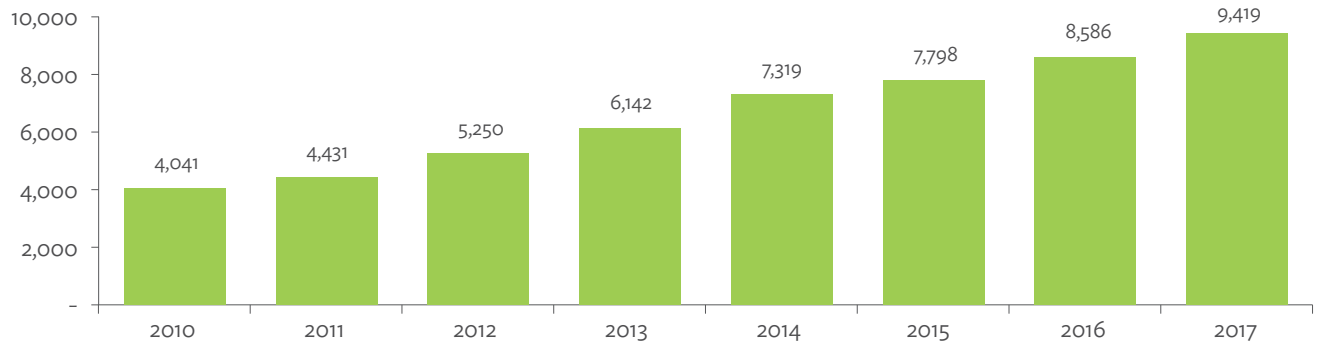
Figure 2.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

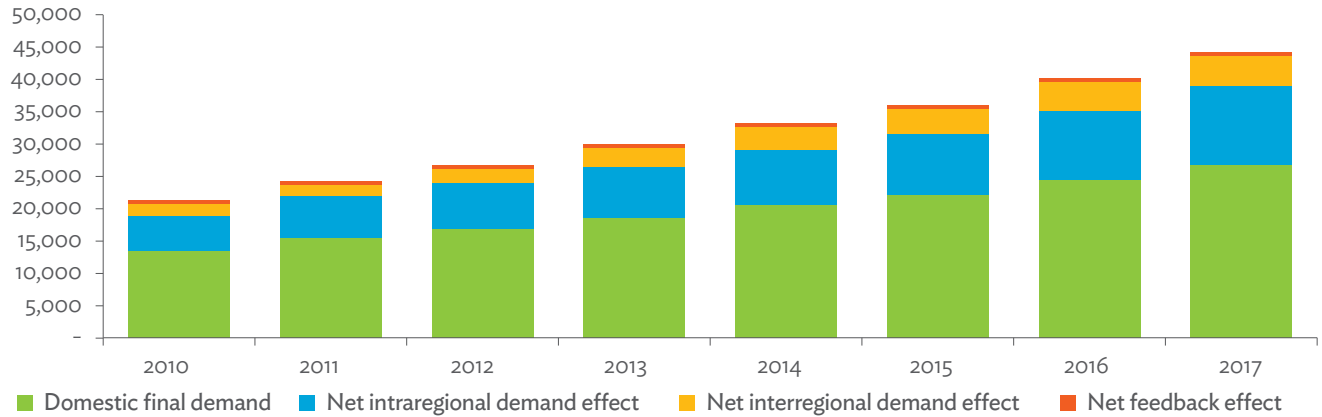
Figure 2.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

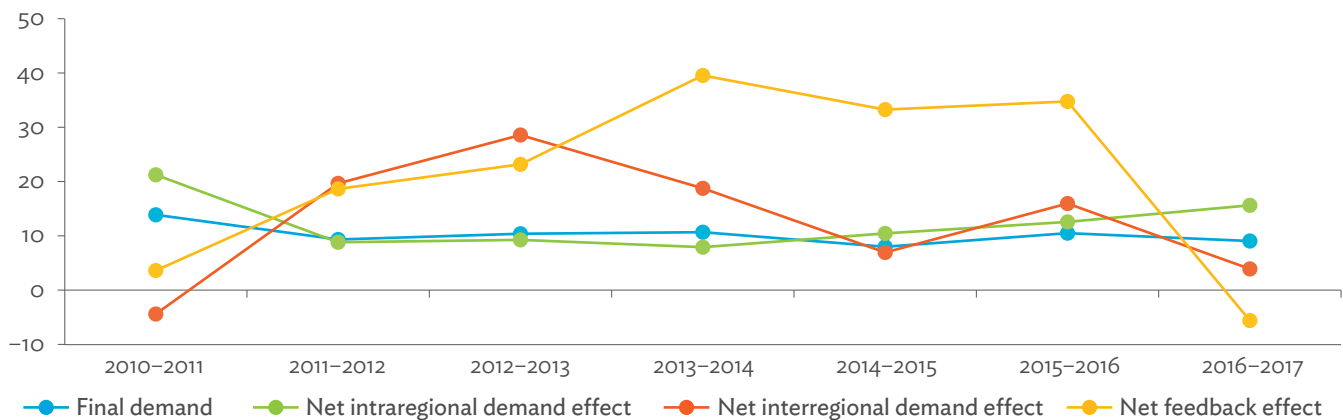


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

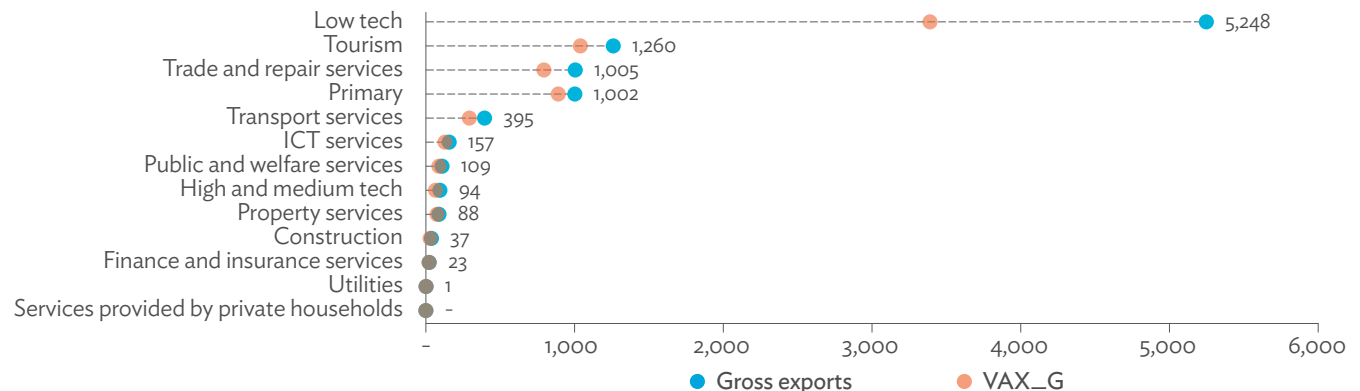
Figure 2.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

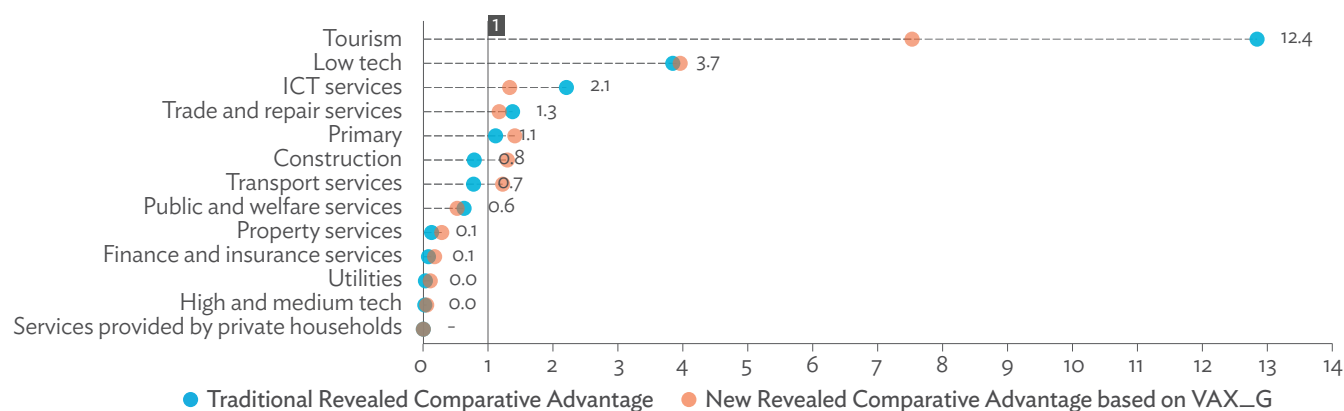


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 2.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|-------|-------|-------|-------|-------|-------|--------|--------|
| Final demand | | | | | | | | |
| Primary | 3,446 | 4,175 | 4,257 | 4,397 | 4,600 | 4,634 | 4,831 | 5,018 |
| Low tech | 4,525 | 5,418 | 6,027 | 6,971 | 7,981 | 9,121 | 10,417 | 11,714 |
| High and medium tech | 163 | 211 | 224 | 242 | 266 | 287 | 321 | 353 |
| Business service | 3,833 | 3,840 | 4,472 | 4,950 | 5,512 | 5,828 | 6,444 | 6,953 |
| Personal service | 1,546 | 1,743 | 1,842 | 2,008 | 2,191 | 2,322 | 2,507 | 2,700 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 1,476 | 1,826 | 1,889 | 1,847 | 1,810 | 1,837 | 1,911 | 2,108 |
| Low tech | 1,708 | 1,906 | 2,052 | 2,278 | 2,450 | 2,953 | 3,487 | 4,198 |
| High and medium tech | 194 | 216 | 235 | 261 | 297 | 329 | 379 | 440 |
| Business service | 1,933 | 2,507 | 2,845 | 3,277 | 3,705 | 4,011 | 4,507 | 5,153 |
| Personal service | 159 | 179 | 196 | 222 | 246 | 267 | 295 | 333 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 2.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 372 | 307 | 342 | 650 | 955 | 919 | 1,006 | 1,050 |
| Low tech | 647 | 617 | 674 | 834 | 983 | 1,217 | 1,506 | 1,417 |
| High and medium tech | 21 | 29 | 33 | 51 | 51 | 54 | 68 | 74 |
| Business service | 1,216 | 1,236 | 1,560 | 1,808 | 2,002 | 2,080 | 2,370 | 2,603 |
| Personal service | 80 | 44 | 64 | 94 | 89 | 93 | 110 | 113 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 0.03 | 0.02 | 0.03 | 0.06 | 0.10 | 0.10 | 0.13 | 0.13 |
| Low tech | 0.18 | 0.19 | 0.21 | 0.22 | 0.32 | 0.48 | 0.66 | 0.57 |
| High and medium tech | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Business service | 0.11 | 0.11 | 0.15 | 0.19 | 0.24 | 0.30 | 0.40 | 0.41 |
| Personal service | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 2.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.2263 | 0.2513 | 0.2504 | 0.2464 | 0.2334 | 0.2313 | 0.2405 | 0.2585 |
| Mining and quarrying | 0.2535 | 0.2279 | 0.2349 | 0.2427 | 0.2392 | 0.2375 | 0.2453 | 0.2629 |
| Food, beverages, and tobacco | 0.8601 | 0.9073 | 0.8998 | 0.8750 | 0.8460 | 0.8646 | 0.8801 | 0.9080 |
| Textiles and textile products | 0.7003 | 0.6816 | 0.6738 | 0.6681 | 0.6549 | 0.6719 | 0.6842 | 0.7075 |
| Leather, leather products, and footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 0.6750 | 0.7063 | 0.7082 | 0.6972 | 0.6784 | 0.6837 | 0.6961 | 0.7186 |
| Pulp, paper, paper products, printing, and publishing | 0.5841 | 0.6398 | 0.6284 | 0.6186 | 0.6032 | 0.6159 | 0.6280 | 0.6523 |
| Coke, refined petroleum, and nuclear fuel | 0.0562 | 0.0253 | 0.1182 | 0.0000 | 0.0386 | 0.0502 | 0.0644 | 0.1096 |
| Chemicals and chemical products | 0.3946 | 0.4164 | 0.4134 | 0.4051 | 0.3907 | 0.3940 | 0.4056 | 0.4259 |
| Rubber and plastics | 0.6425 | 0.6252 | 0.6168 | 0.6091 | 0.5964 | 0.6158 | 0.6323 | 0.6586 |
| Other nonmetallic minerals | 0.3415 | 0.4033 | 0.3987 | 0.3969 | 0.3873 | 0.3888 | 0.3960 | 0.4128 |
| Basic metals and fabricated metal | 0.3168 | 0.3697 | 0.3642 | 0.3623 | 0.3536 | 0.3596 | 0.3680 | 0.3861 |
| Machinery, nec | 0.4419 | 0.2726 | 0.2711 | 0.2654 | 0.2614 | 0.2860 | 0.3020 | 0.3279 |
| Electrical and optical equipment | 0.1337 | 0.1404 | 0.1467 | 0.1341 | 0.1367 | 0.1612 | 0.1515 | 0.1853 |
| Transport equipment | 0.2237 | 0.2774 | 0.2760 | 0.2763 | 0.2704 | 0.2803 | 0.2915 | 0.3117 |
| Manufacturing, nec; recycling | 0.2237 | 0.2437 | 0.2423 | 0.2413 | 0.2358 | 0.2477 | 0.2590 | 0.2791 |
| Electricity, gas, and water supply | 0.7314 | 0.7675 | 0.7690 | 0.7591 | 0.7446 | 0.7582 | 0.7693 | 0.7923 |
| Construction | 0.3463 | 0.3758 | 0.3817 | 0.3943 | 0.3952 | 0.4015 | 0.4121 | 0.4322 |
| Sale, maintenance, and repair | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wholesale trade and commission trade | 0.3774 | 0.4455 | 0.4368 | 0.4386 | 0.4309 | 0.4353 | 0.4461 | 0.4674 |
| Retail trade | 0.4109 | 0.4653 | 0.4548 | 0.4543 | 0.4454 | 0.4502 | 0.4608 | 0.4824 |
| Hotels and restaurants | 0.7396 | 0.7759 | 0.7688 | 0.7636 | 0.7498 | 0.7546 | 0.7669 | 0.7908 |
| Inland transport | 0.3592 | 0.3837 | 0.3755 | 0.3809 | 0.3768 | 0.3823 | 0.3918 | 0.4112 |
| Water transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Air transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other supporting and auxiliary transport activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Post and telecommunications | 0.5234 | 0.5380 | 0.5334 | 0.5373 | 0.5300 | 0.5377 | 0.5490 | 0.5709 |
| Financial intermediation | 0.2073 | 0.2293 | 0.2276 | 0.2334 | 0.2271 | 0.2174 | 0.2264 | 0.2473 |
| Real estate activities | 0.5676 | 0.5992 | 0.5962 | 0.6004 | 0.5926 | 0.5876 | 0.5983 | 0.6216 |
| Renting of M&Eq and other business activities | 0.6863 | 0.7100 | 0.7142 | 0.7189 | 0.7117 | 0.7044 | 0.7157 | 0.7397 |
| Public administration and defense; compulsory social security | 0.5886 | 0.6397 | 0.6229 | 0.6184 | 0.6038 | 0.6066 | 0.6169 | 0.6389 |
| Education | 0.3488 | 0.3611 | 0.3578 | 0.3574 | 0.3466 | 0.3429 | 0.3522 | 0.3728 |
| Health and social work | 0.2989 | 0.3085 | 0.3050 | 0.3054 | 0.2966 | 0.2978 | 0.3070 | 0.3259 |
| Other community, social, and personal services | 0.3376 | 0.3441 | 0.3442 | 0.3453 | 0.3363 | 0.3350 | 0.3473 | 0.3676 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 2.3.4: Net Interregional Multipliers (M2), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.2504 | 0.1970 | 0.2103 | 0.2514 | 0.2834 | 0.2737 | 0.2772 | 0.2882 |
| Mining and quarrying | 0.4257 | 0.4556 | 0.4015 | 0.3854 | 0.3675 | 0.3621 | 0.3692 | 0.3814 |
| Food, beverages, and tobacco | 0.5770 | 0.5344 | 0.5647 | 0.6549 | 0.7161 | 0.7127 | 0.7063 | 0.7067 |
| Textiles and textile products | 0.9880 | 0.9897 | 0.9980 | 1.0368 | 1.0412 | 1.0309 | 1.0195 | 1.0118 |
| Leather, leather products, and footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 0.4304 | 0.3449 | 0.3594 | 0.4154 | 0.4512 | 0.4466 | 0.4447 | 0.4465 |
| Pulp, paper, paper products, printing, and publishing | 0.7966 | 0.7474 | 0.7695 | 0.8221 | 0.8486 | 0.8332 | 0.8228 | 0.8226 |
| Coke, refined petroleum, and nuclear fuel | 2.0977 | 1.3930 | 1.6548 | 1.8416 | 1.5082 | 1.7429 | 1.7511 | 1.5846 |
| Chemicals and chemical products | 0.5869 | 0.5261 | 0.5460 | 0.6033 | 0.6406 | 0.6202 | 0.6118 | 0.6170 |
| Rubber and plastics | 1.2269 | 1.1658 | 1.1878 | 1.2323 | 1.2497 | 1.2309 | 1.2160 | 1.2084 |
| Other nonmetallic minerals | 0.6699 | 0.5796 | 0.5838 | 0.6049 | 0.6070 | 0.5932 | 0.5899 | 0.5914 |
| Basic metals and fabricated metal | 0.8511 | 0.7860 | 0.7973 | 0.8221 | 0.8255 | 0.8074 | 0.8027 | 0.7997 |
| Machinery, nec | 1.0946 | 1.4857 | 1.5014 | 1.5427 | 1.5463 | 1.5419 | 1.5242 | 1.5049 |
| Electrical and optical equipment | 1.0038 | 0.9803 | 0.9708 | 1.0292 | 1.0259 | 1.0299 | 1.0628 | 1.0388 |
| Transport equipment | 1.0396 | 0.9014 | 0.9129 | 0.9475 | 0.9573 | 0.9377 | 0.9340 | 0.9352 |
| Manufacturing, nec; recycling | 0.9512 | 0.8873 | 0.8932 | 0.9301 | 0.9400 | 0.9243 | 0.9204 | 0.9234 |
| Electricity, gas, and water supply | 1.1745 | 1.1424 | 1.1400 | 1.1847 | 1.1969 | 1.1957 | 1.1896 | 1.1785 |
| Construction | 0.7920 | 0.7695 | 0.7430 | 0.7148 | 0.6837 | 0.6744 | 0.6753 | 0.6809 |
| Sale, maintenance, and repair | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wholesale trade and commission trade | 0.5523 | 0.4803 | 0.5197 | 0.5439 | 0.5520 | 0.5418 | 0.5376 | 0.5378 |
| Retail trade | 0.5746 | 0.5361 | 0.5792 | 0.6088 | 0.6184 | 0.6069 | 0.6037 | 0.6069 |
| Hotels and restaurants | 0.3669 | 0.3321 | 0.3646 | 0.4084 | 0.4352 | 0.4295 | 0.4280 | 0.4337 |
| Inland transport | 0.6602 | 0.6501 | 0.6841 | 0.7007 | 0.6995 | 0.6904 | 0.6876 | 0.6853 |
| Water transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Air transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other supporting and auxiliary transport activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Post and telecommunications | 0.4366 | 0.4172 | 0.4402 | 0.4552 | 0.4570 | 0.4540 | 0.4487 | 0.4544 |
| Financial intermediation | 0.1362 | 0.1038 | 0.1241 | 0.1251 | 0.1216 | 0.1141 | 0.1143 | 0.1228 |
| Real estate activities | 0.3226 | 0.2649 | 0.2823 | 0.2894 | 0.2874 | 0.2820 | 0.2776 | 0.2844 |
| Renting of M&Eq and other business activities | 0.4639 | 0.4659 | 0.4613 | 0.4729 | 0.4716 | 0.4602 | 0.4530 | 0.4561 |
| Public administration and defense; compulsory social security | 0.4972 | 0.4641 | 0.5117 | 0.5504 | 0.5710 | 0.5629 | 0.5517 | 0.5567 |
| Education | 0.1904 | 0.2004 | 0.2251 | 0.2615 | 0.2845 | 0.2753 | 0.2679 | 0.2806 |
| Health and social work | 0.3332 | 0.3387 | 0.3692 | 0.3979 | 0.4161 | 0.4011 | 0.3940 | 0.4055 |
| Other community, social, and personal services | 0.2434 | 0.2985 | 0.3133 | 0.3416 | 0.3563 | 0.3473 | 0.3504 | 0.3592 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 2.3.5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mining and quarrying | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Food, beverages, and tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Textiles and textile products | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0003 | 0.0002 |
| Leather, leather products, and footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Pulp, paper, paper products, printing, and publishing | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Coke, refined petroleum, and nuclear fuel | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Chemicals and chemical products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Rubber and plastics | 0.0001 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Other nonmetallic minerals | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Basic metals and fabricated metal | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Machinery, nec | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Electrical and optical equipment | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 |
| Transport equipment | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing, nec; recycling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 |
| Electricity, gas, and water supply | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Construction | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Sale, maintenance, and repair | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wholesale trade and commission trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Retail trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotels and restaurants | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Inland transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Air transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other supporting and auxiliary transport activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Post and telecommunications | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Financial intermediation | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Real estate activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Renting of M&Eq and other business activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Public administration and defense; compulsory social security | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Education | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Health and social work | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other community, social, and personal services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 2.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 221 | 199 | 272 | 251 | 338 | 310 | 611 | 551 | 939 | 835 | 912 | 815 | 950 | 848 | 1,002 | 890 |
| Low tech | 2,080 | 1,328 | 2,574 | 1,662 | 2,889 | 1,855 | 3,188 | 2,027 | 3,860 | 2,444 | 4,279 | 2,736 | 4,747 | 3,050 | 5,248 | 3,390 |
| High and medium tech | 26 | 16 | 40 | 28 | 48 | 33 | 59 | 40 | 69 | 47 | 73 | 50 | 83 | 57 | 94 | 65 |
| Utilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Construction | 44 | 31 | 7 | 5 | 11 | 8 | 103 | 76 | 20 | 15 | 24 | 18 | 31 | 23 | 37 | 28 |
| Trade and repair services | 408 | 318 | 526 | 428 | 655 | 520 | 711 | 560 | 764 | 599 | 813 | 643 | 909 | 719 | 1,005 | 794 |
| Tourism | 880 | 747 | 649 | 562 | 835 | 710 | 948 | 790 | 1,074 | 883 | 1,078 | 891 | 1,163 | 961 | 1,260 | 1,039 |
| Transport services | 194 | 144 | 200 | 150 | 252 | 185 | 268 | 196 | 297 | 218 | 316 | 234 | 360 | 267 | 395 | 293 |
| ICT services | 45 | 37 | 81 | 67 | 104 | 85 | 112 | 92 | 127 | 104 | 126 | 103 | 143 | 117 | 157 | 128 |
| Finance and insurance services | 25 | 23 | 9 | 9 | 13 | 12 | 14 | 13 | 17 | 16 | 18 | 17 | 20 | 19 | 23 | 21 |
| Property services | 46 | 37 | 31 | 26 | 52 | 44 | 52 | 44 | 64 | 54 | 65 | 55 | 76 | 65 | 88 | 75 |
| Public and welfare services | 71 | 57 | 40 | 33 | 54 | 43 | 75 | 60 | 89 | 71 | 92 | 74 | 100 | 81 | 109 | 87 |
| Services provided by private households | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 2.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|--------|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 0.504 | 1.132 | 0.506 | 0.962 | 0.529 | 1.013 | 0.864 | 1.231 | 1.183 | 1.467 | 1.208 | 1.461 | 1.172 | 1.424 | 1.078 | 1.364 |
| Low tech | 3.568 | 4.054 | 4.100 | 4.607 | 3.904 | 4.192 | 3.561 | 3.789 | 3.545 | 3.666 | 3.666 | 3.875 | 3.703 | 3.865 | 3.720 | 3.830 |
| High and medium tech | 0.014 | 0.034 | 0.019 | 0.044 | 0.020 | 0.044 | 0.021 | 0.047 | 0.020 | 0.045 | 0.020 | 0.046 | 0.021 | 0.048 | 0.022 | 0.050 |
| Utilities | 0.005 | 0.107 | 0.009 | 0.074 | 0.009 | 0.085 | 0.022 | 0.085 | 0.035 | 0.094 | 0.033 | 0.094 | 0.027 | 0.097 | 0.031 | 0.104 |
| Construction | 2.792 | 1.202 | 0.441 | 0.413 | 0.516 | 0.485 | 3.112 | 1.656 | 0.520 | 0.549 | 0.571 | 0.744 | 0.586 | 1.000 | 0.759 | 1.253 |
| Trade and repair services | 1.290 | 1.112 | 1.536 | 1.224 | 1.566 | 1.217 | 1.479 | 1.160 | 1.328 | 1.098 | 1.301 | 1.087 | 1.313 | 1.114 | 1.331 | 1.131 |
| Tourism | 20.647 | 10.967 | 13.873 | 8.438 | 15.359 | 8.916 | 14.566 | 8.691 | 13.527 | 8.264 | 12.824 | 7.709 | 11.006 | 7.036 | 12.433 | 7.288 |
| Transport services | 0.807 | 1.122 | 0.809 | 1.226 | 0.847 | 1.234 | 0.789 | 1.187 | 0.728 | 1.141 | 0.717 | 1.137 | 0.752 | 1.196 | 0.749 | 1.183 |
| ICT services | 1.662 | 1.375 | 2.900 | 1.725 | 2.850 | 1.792 | 2.665 | 1.732 | 2.495 | 1.699 | 2.294 | 1.536 | 2.264 | 1.484 | 2.134 | 1.288 |
| Finance and insurance services | 0.200 | 0.194 | 0.072 | 0.141 | 0.085 | 0.157 | 0.074 | 0.156 | 0.074 | 0.156 | 0.073 | 0.152 | 0.072 | 0.156 | 0.077 | 0.169 |
| Property services | 0.173 | 0.197 | 0.108 | 0.190 | 0.156 | 0.263 | 0.125 | 0.253 | 0.123 | 0.252 | 0.114 | 0.238 | 0.117 | 0.251 | 0.123 | 0.275 |
| Public and welfare services | 0.942 | 0.648 | 0.520 | 0.440 | 0.575 | 0.481 | 0.633 | 0.515 | 0.639 | 0.515 | 0.594 | 0.490 | 0.551 | 0.474 | 0.608 | 0.504 |
| Services provided by private households | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

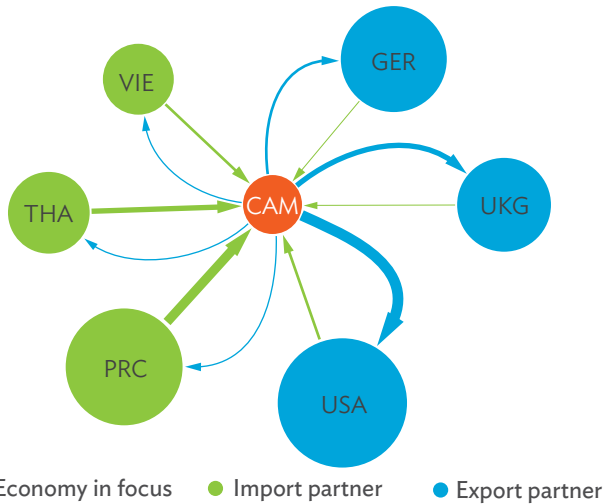
Source: Asian Development Bank Multi-Regional Input-Output Database.

2.4

GLOBAL VALUE CHAIN INDICATORS

Cambodia

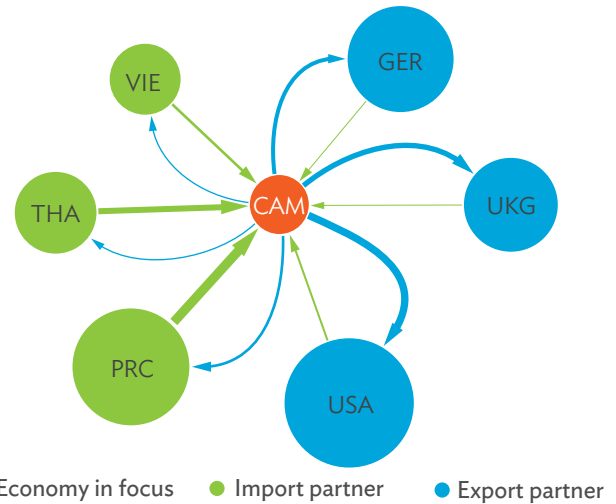
Figure 2.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



CAM = Cambodia, GER = Germany, PRC = People's Republic of China, THA = Thailand, UKG = United Kingdom, USA = United States, VIE = Viet Nam.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

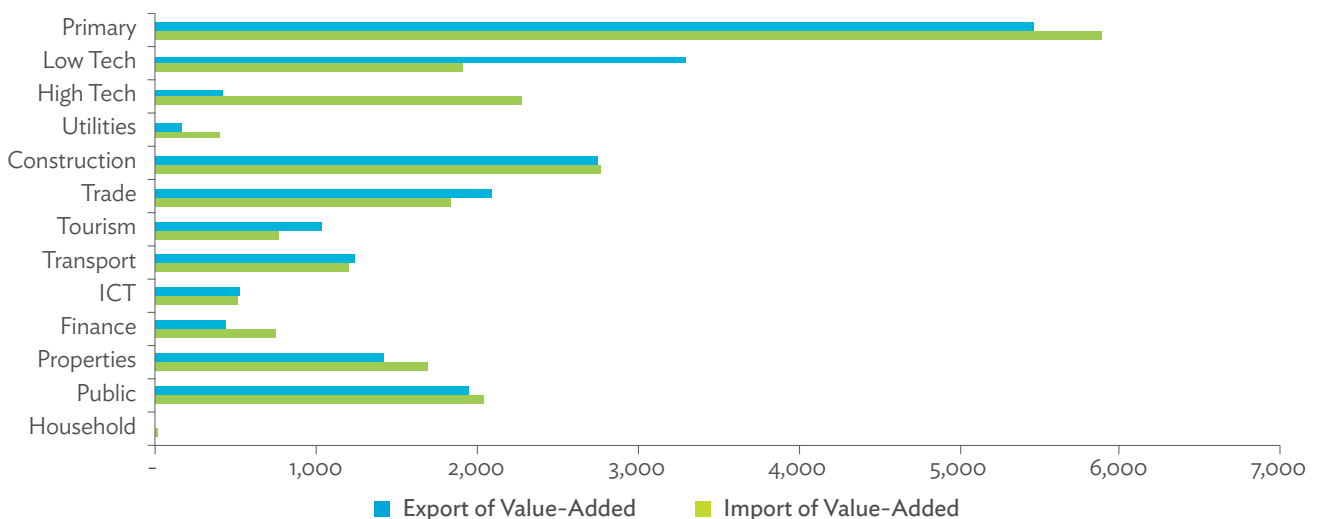
Figure 2.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



CAM = Cambodia, GER = Germany, PRC = People's Republic of China, THA = Thailand, UKG = United Kingdom, USA = United States, VIE = Viet Nam.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 2.4.2: Trade in Value-Added by Industry, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

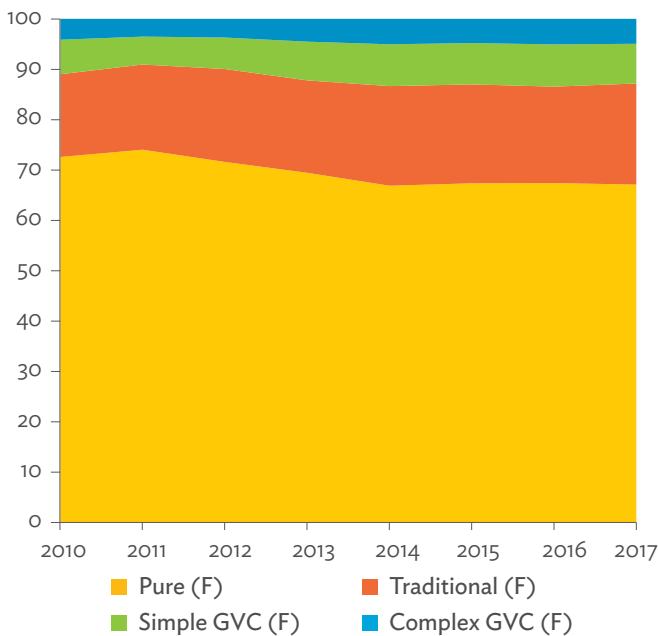
Figure 2.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

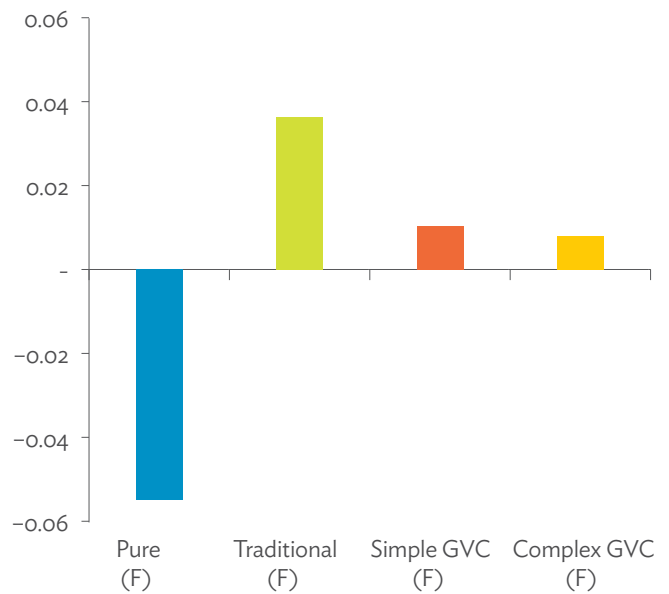
Figure 2.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

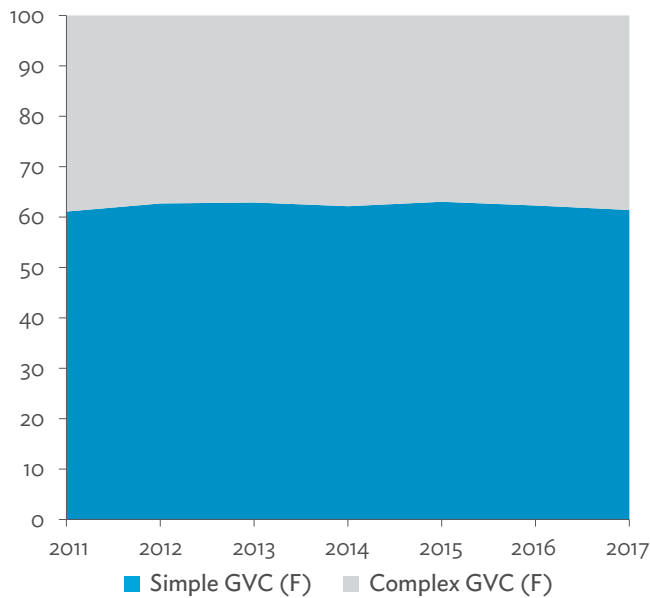
Figure 2.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 2.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)

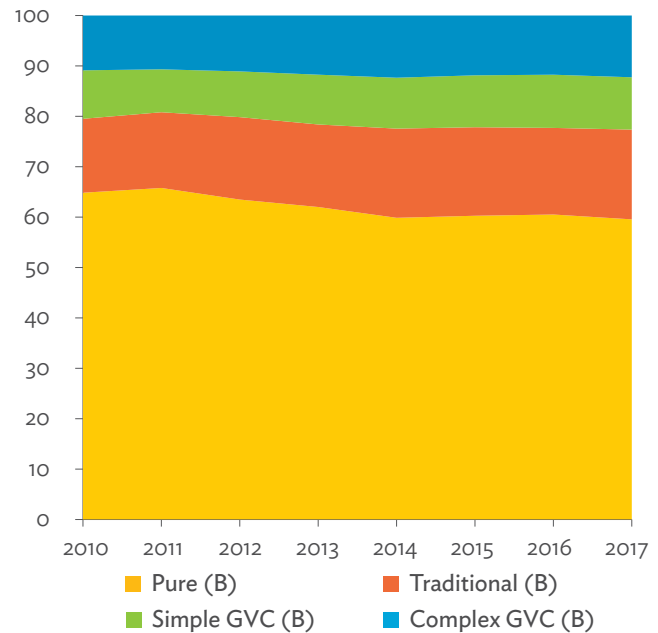


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)

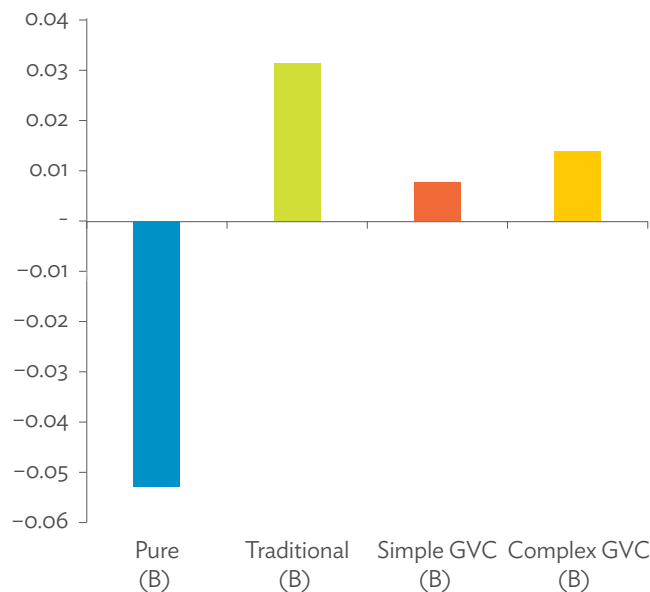


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



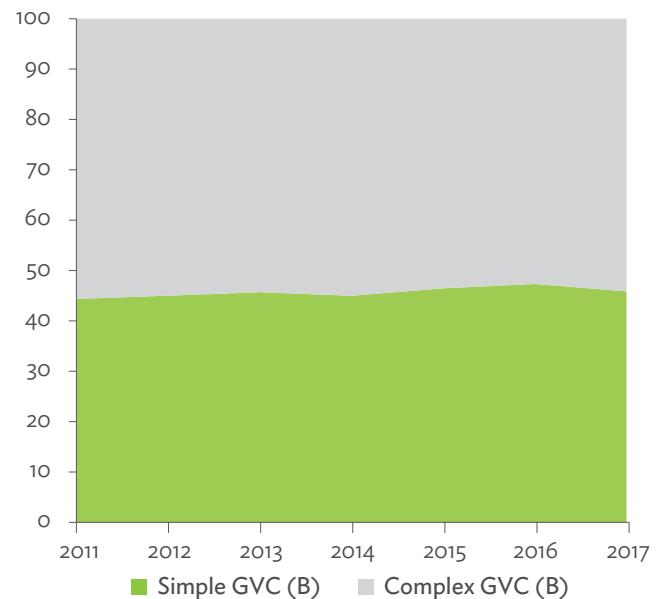
GVC = global value chain.

Note: Share in 2017 minus share in 2010, in percentage points.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)

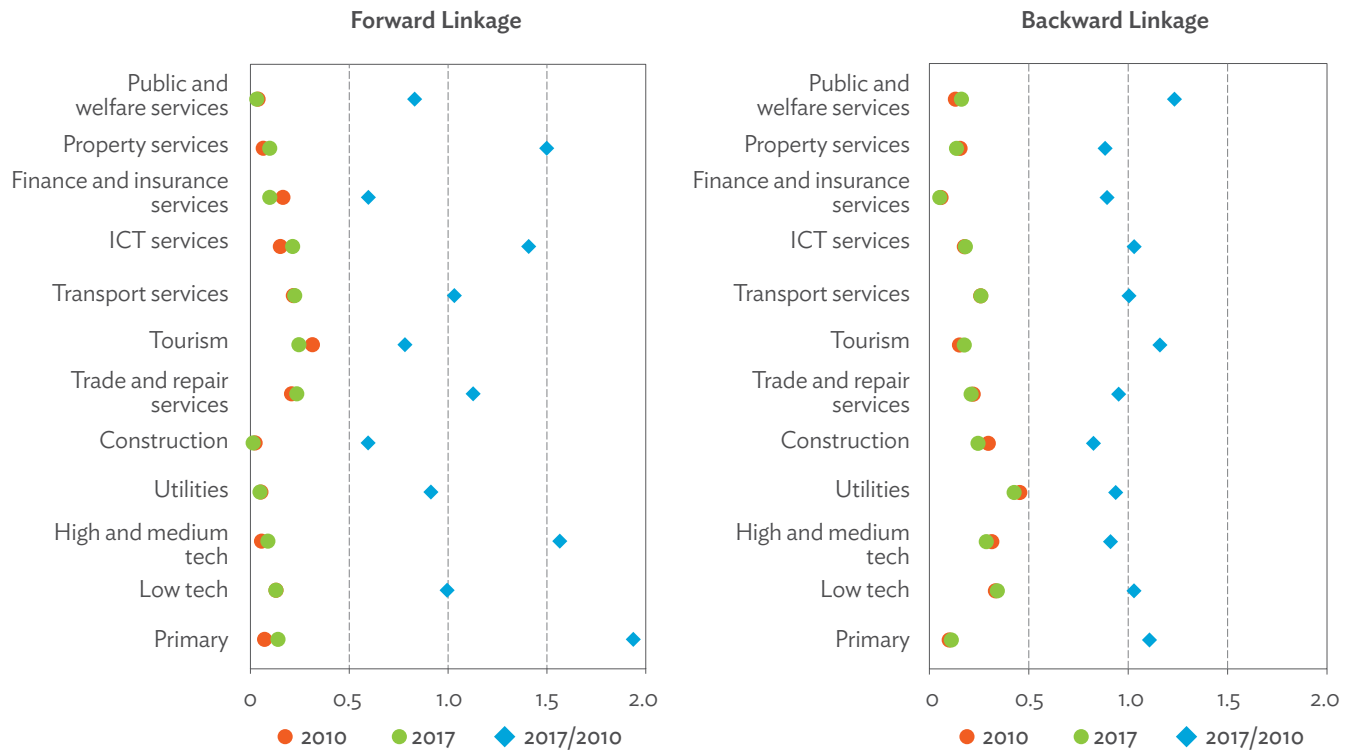


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

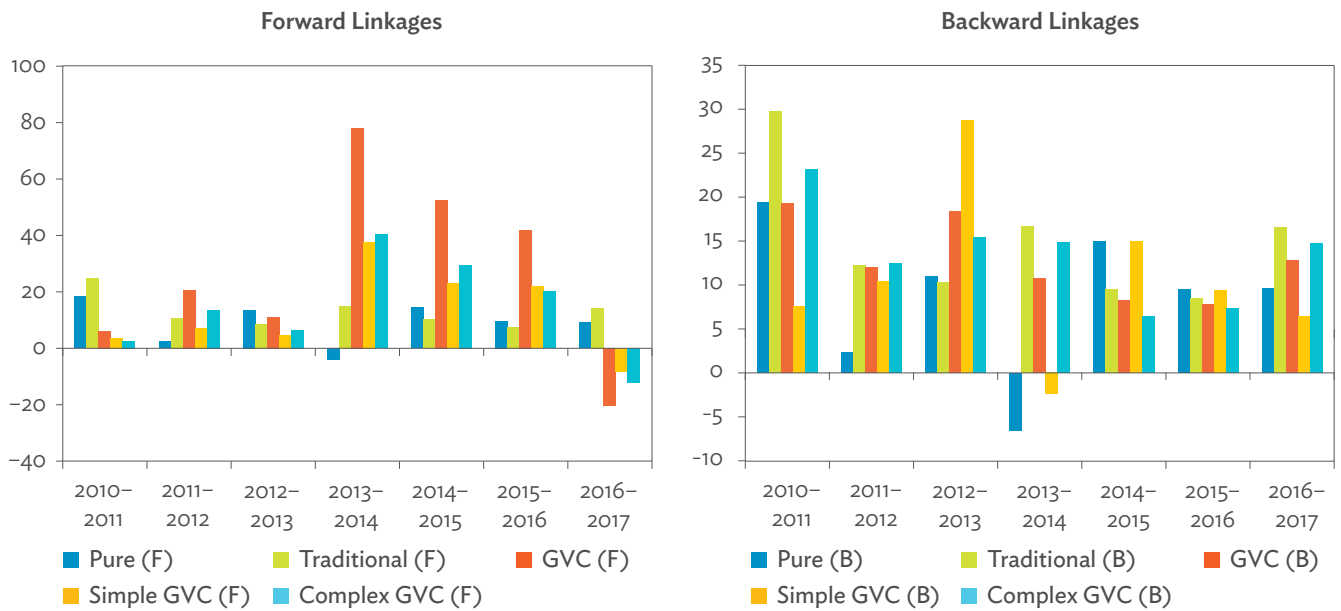
Figure 2.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 2.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

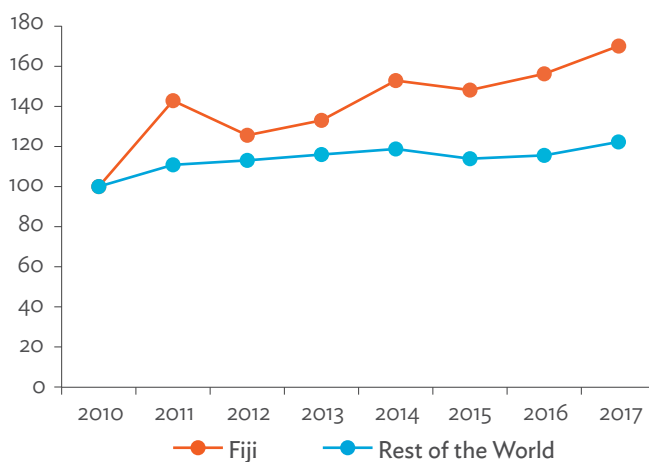
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3.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Fiji

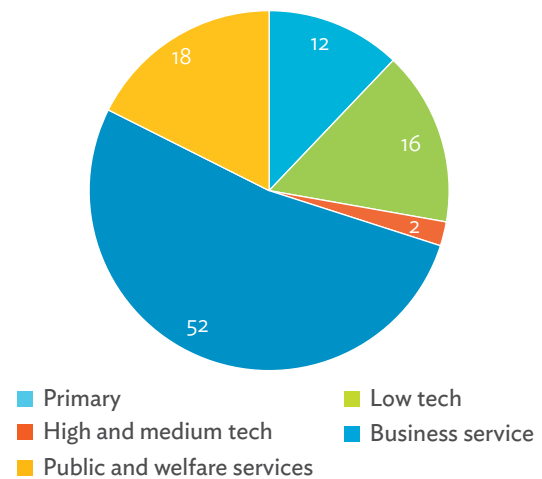
Figure 3.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

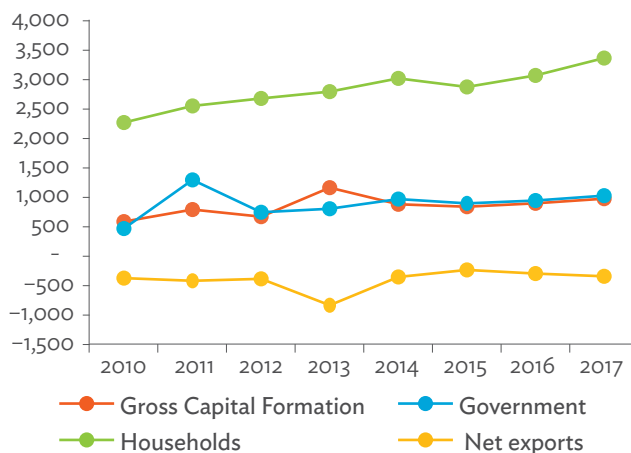
Figure 3.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

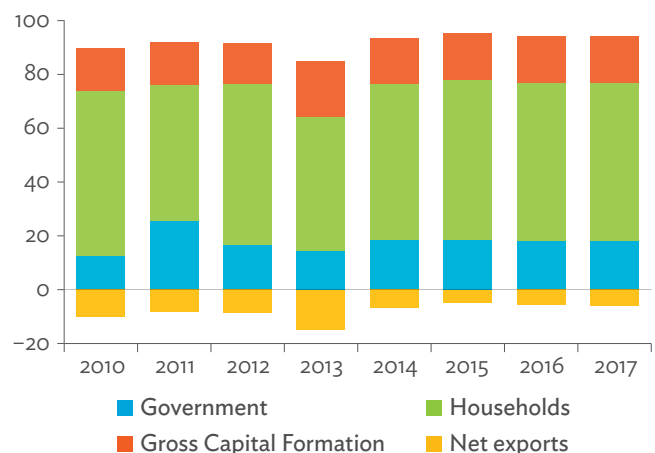
Figure 3.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

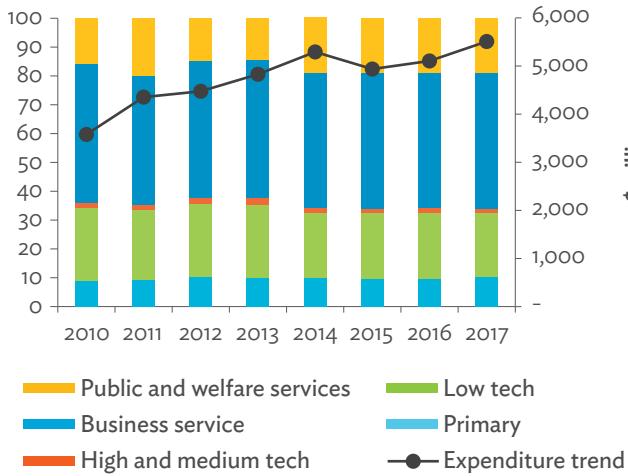
Figure 3.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

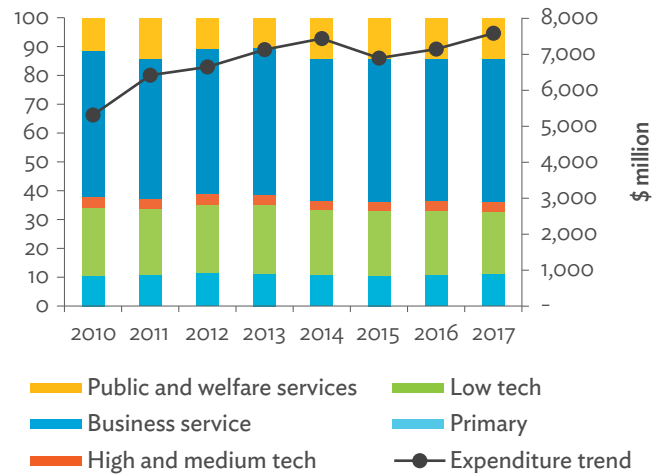
Figure 3.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

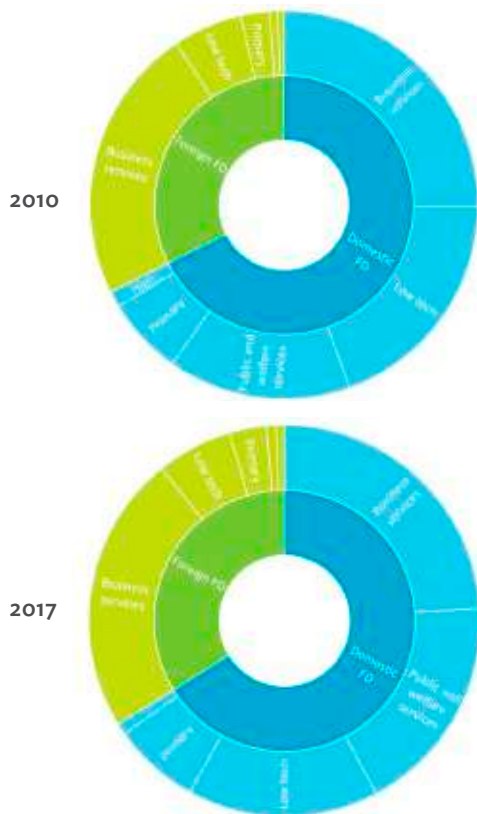
Figure 3.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

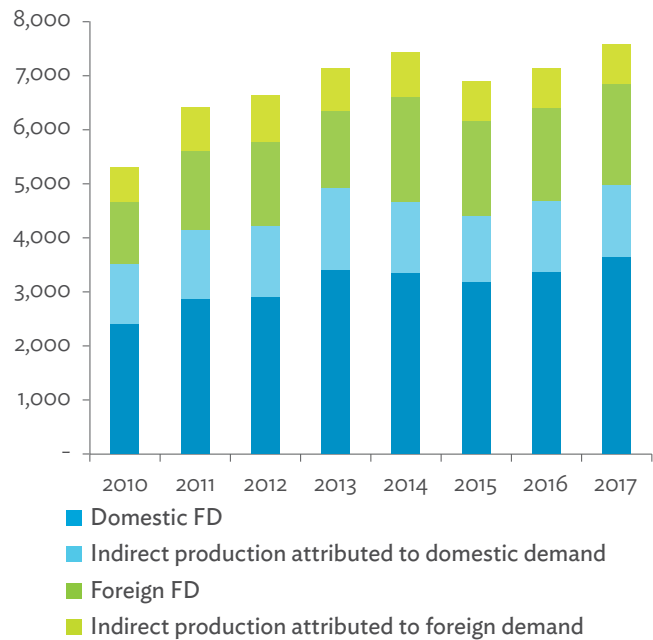
Figure 3.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

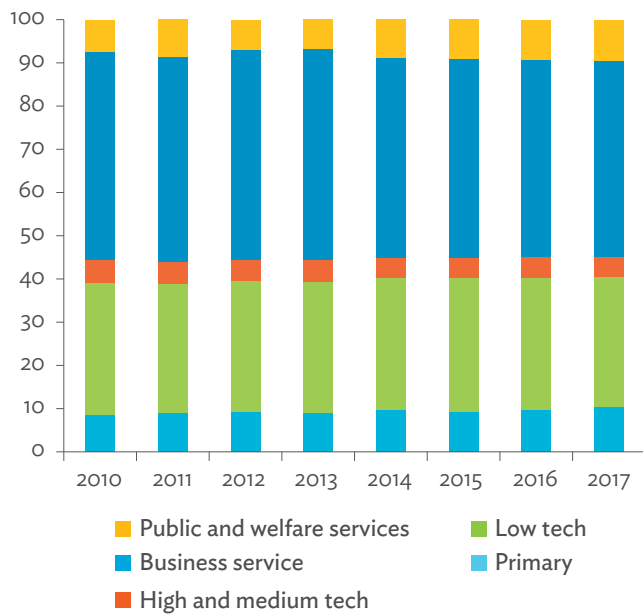
Figure 3.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

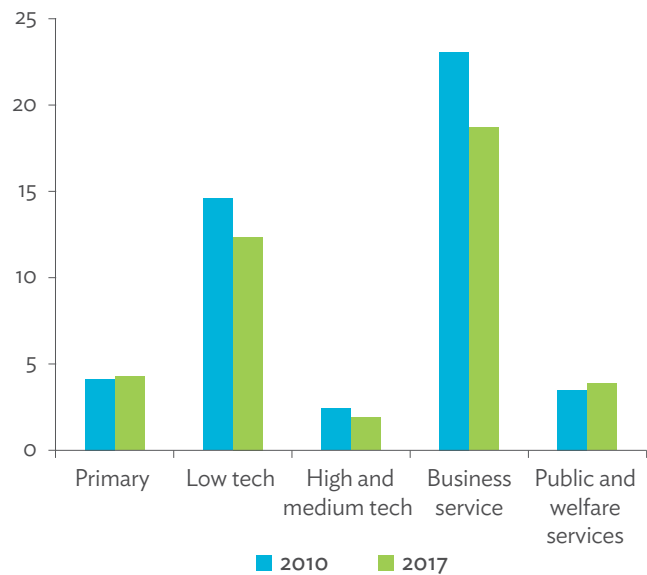
Figure 3.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

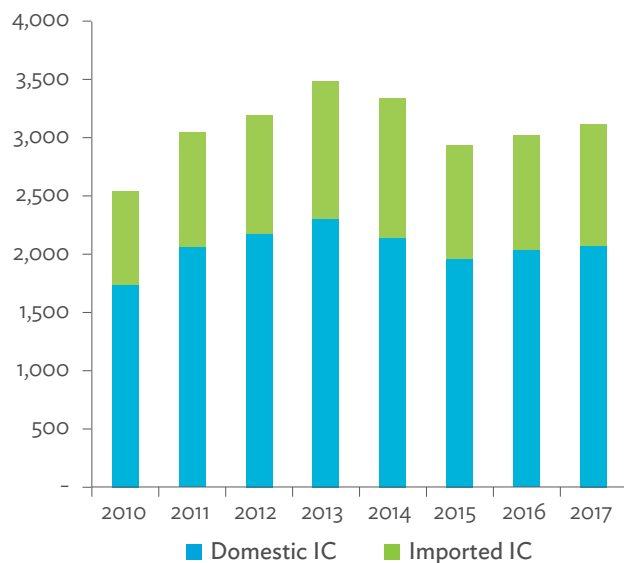
Figure 3.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

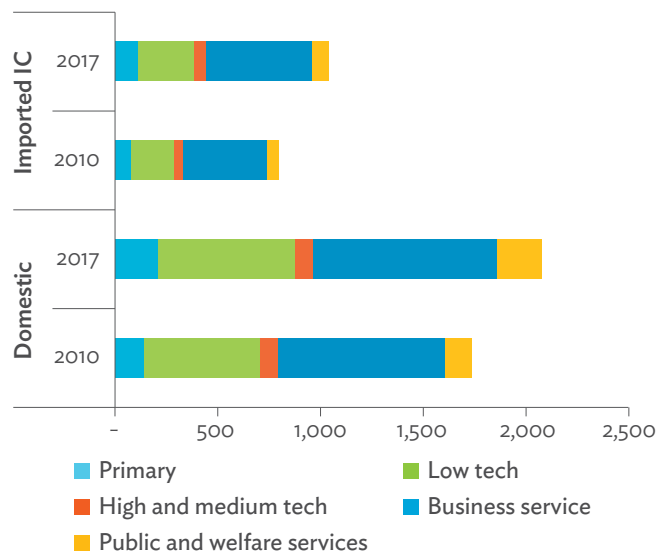


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

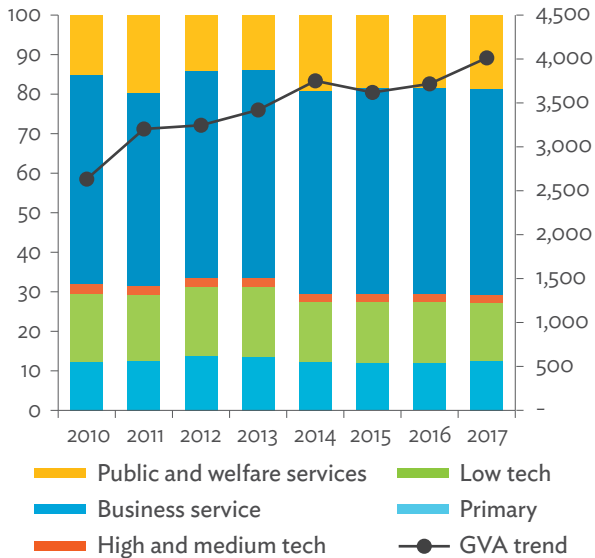


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

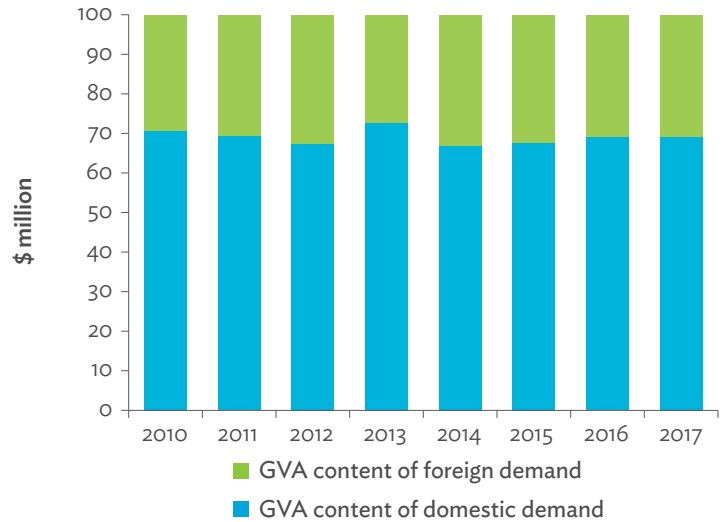
Figure 3.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

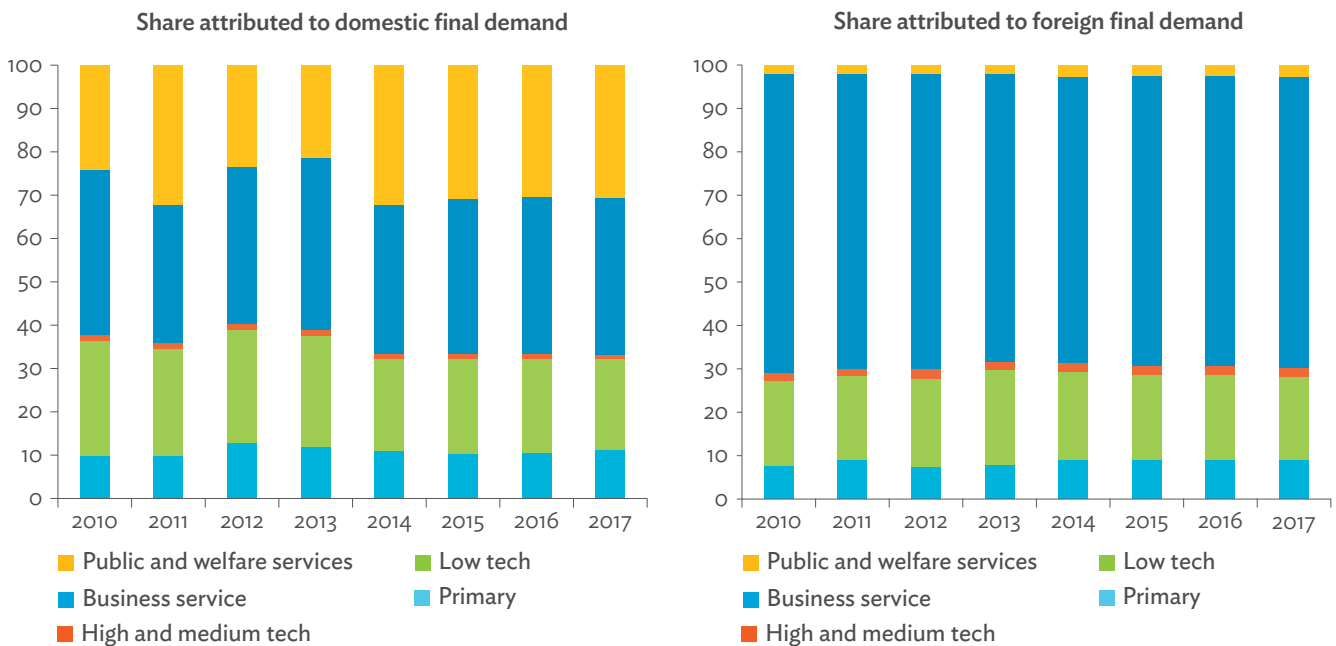
Figure 3.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 3.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 3.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.791 | 0.790 | 0.798 | 0.784 | 0.768 | 0.793 | 0.783 | 0.780 |
| Mining and quarrying | 0.623 | 0.660 | 0.634 | 0.563 | 0.507 | 0.540 | 0.536 | 0.493 |
| Food, beverages, and tobacco | 0.709 | 0.703 | 0.705 | 0.686 | 0.664 | 0.686 | 0.681 | 0.677 |
| Textiles and textile products | 0.802 | 0.802 | 0.798 | 0.785 | 0.761 | 0.782 | 0.762 | 0.760 |
| Leather, leather products, and footwear | 0.621 | 0.612 | 0.604 | 0.585 | 0.542 | 0.560 | 0.548 | 0.541 |
| Wood and products of wood and cork | 0.742 | 0.755 | 0.758 | 0.742 | 0.724 | 0.745 | 0.740 | 0.736 |
| Pulp, paper, paper products, printing, and publishing | 0.680 | 0.654 | 0.655 | 0.634 | 0.614 | 0.633 | 0.638 | 0.637 |
| Coke, refined petroleum, and nuclear fuel | 0.000 | 0.107 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Chemicals and chemical products | 0.632 | 0.631 | 0.629 | 0.608 | 0.558 | 0.587 | 0.578 | 0.572 |
| Rubber and plastics | 0.444 | 0.432 | 0.432 | 0.409 | 0.369 | 0.394 | 0.391 | 0.383 |
| Other nonmetallic minerals | 0.675 | 0.680 | 0.673 | 0.639 | 0.611 | 0.629 | 0.625 | 0.609 |
| Basic metals and fabricated metal | 0.518 | 0.506 | 0.506 | 0.484 | 0.457 | 0.480 | 0.476 | 0.470 |
| Machinery, nec | 0.687 | 0.675 | 0.677 | 0.658 | 0.648 | 0.676 | 0.668 | 0.671 |
| Electrical and optical equipment | 0.000 | 0.583 | 0.000 | 0.000 | 0.008 | 0.011 | 0.006 | 0.121 |
| Transport equipment | 0.669 | 0.658 | 0.657 | 0.638 | 0.605 | 0.639 | 0.614 | 0.612 |
| Manufacturing, nec; recycling | 0.761 | 0.758 | 0.755 | 0.740 | 0.715 | 0.733 | 0.723 | 0.718 |
| Electricity, gas, and water supply | 0.483 | 0.526 | 0.522 | 0.485 | 0.431 | 0.500 | 0.495 | 0.468 |
| Construction | 0.702 | 0.684 | 0.685 | 0.679 | 0.646 | 0.658 | 0.653 | 0.652 |
| Sale, maintenance, and repair | 0.823 | 0.816 | 0.814 | 0.801 | 0.778 | 0.830 | 0.816 | 0.808 |
| Wholesale trade and commission trade | 0.776 | 0.767 | 0.768 | 0.754 | 0.743 | 0.787 | 0.783 | 0.777 |
| Retail trade | 0.815 | 0.810 | 0.807 | 0.794 | 0.781 | 0.831 | 0.823 | 0.815 |
| Hotels and restaurants | 0.734 | 0.735 | 0.737 | 0.723 | 0.689 | 0.705 | 0.696 | 0.692 |
| Inland transport | 0.596 | 0.594 | 0.607 | 0.593 | 0.581 | 0.592 | 0.566 | 0.592 |
| Water transport | 0.495 | 0.493 | 0.506 | 0.491 | 0.436 | 0.489 | 0.484 | 0.500 |
| Air transport | 0.408 | 0.405 | 0.420 | 0.404 | 0.328 | 0.378 | 0.385 | 0.385 |
| Other supporting and auxiliary transport activities | 0.692 | 0.691 | 0.699 | 0.687 | 0.690 | 0.752 | 0.745 | 0.774 |
| Post and telecommunications | 0.825 | 0.828 | 0.808 | 0.794 | 0.788 | 0.806 | 0.795 | 0.791 |
| Financial intermediation | 0.847 | 0.828 | 0.833 | 0.825 | 0.804 | 0.805 | 0.800 | 0.796 |
| Real estate activities | 0.904 | 0.896 | 0.897 | 0.888 | 0.863 | 0.866 | 0.861 | 0.855 |
| Renting of M&Eq and other business activities | 0.773 | 0.758 | 0.761 | 0.739 | 0.769 | 0.783 | 0.777 | 0.775 |
| Public administration and defense; compulsory social security | 0.809 | 0.833 | 0.797 | 0.783 | 0.828 | 0.852 | 0.848 | 0.854 |
| Education | 0.848 | 0.879 | 0.836 | 0.824 | 0.851 | 0.842 | 0.838 | 0.832 |
| Health and social work | 0.815 | 0.842 | 0.802 | 0.786 | 0.833 | 0.844 | 0.837 | 0.838 |
| Other community, social, and personal services | 0.724 | 0.716 | 0.706 | 0.685 | 0.445 | 0.457 | 0.440 | 0.431 |
| Private households with employed persons | 0.838 | 0.833 | 0.827 | 0.814 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 3.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.176 | 0.180 | 0.167 | 0.180 | 0.179 | 0.151 | 0.152 | 0.155 |
| Mining and quarrying | 0.338 | 0.306 | 0.323 | 0.389 | 0.415 | 0.379 | 0.371 | 0.405 |
| Food, beverages, and tobacco | 0.251 | 0.259 | 0.250 | 0.268 | 0.269 | 0.241 | 0.236 | 0.236 |
| Textiles and textile products | 0.148 | 0.149 | 0.144 | 0.155 | 0.151 | 0.123 | 0.130 | 0.125 |
| Leather, leather products, and footwear | 0.280 | 0.293 | 0.283 | 0.301 | 0.291 | 0.261 | 0.250 | 0.244 |
| Wood and products of wood and cork | 0.227 | 0.213 | 0.205 | 0.220 | 0.221 | 0.196 | 0.193 | 0.194 |
| Pulp, paper, paper products, printing, and publishing | 0.282 | 0.310 | 0.303 | 0.323 | 0.324 | 0.300 | 0.283 | 0.279 |
| Coke, refined petroleum, and nuclear fuel | 0.896 | 0.805 | 0.884 | 0.889 | 0.000 | 0.000 | 0.000 | 0.000 |
| Chemicals and chemical products | 0.308 | 0.312 | 0.302 | 0.322 | 0.338 | 0.298 | 0.291 | 0.288 |
| Rubber and plastics | 0.498 | 0.513 | 0.501 | 0.525 | 0.533 | 0.499 | 0.486 | 0.486 |
| Other nonmetallic minerals | 0.289 | 0.287 | 0.287 | 0.319 | 0.326 | 0.303 | 0.297 | 0.308 |
| Basic metals and fabricated metal | 0.429 | 0.444 | 0.434 | 0.456 | 0.455 | 0.424 | 0.414 | 0.413 |
| Machinery, nec | 0.286 | 0.300 | 0.292 | 0.311 | 0.309 | 0.277 | 0.278 | 0.272 |
| Electrical and optical equipment | 0.000 | 0.153 | 0.000 | 0.000 | 0.593 | 0.977 | 0.523 | 0.354 |
| Transport equipment | 0.272 | 0.286 | 0.275 | 0.294 | 0.294 | 0.248 | 0.263 | 0.256 |
| Manufacturing, nec; recycling | 0.189 | 0.193 | 0.186 | 0.200 | 0.196 | 0.172 | 0.169 | 0.167 |
| Electricity, gas, and water supply | 0.455 | 0.421 | 0.414 | 0.449 | 0.466 | 0.382 | 0.371 | 0.387 |
| Construction | 0.260 | 0.279 | 0.271 | 0.278 | 0.289 | 0.275 | 0.269 | 0.266 |
| Sale, maintenance, and repair | 0.146 | 0.153 | 0.149 | 0.161 | 0.163 | 0.113 | 0.119 | 0.124 |
| Wholesale trade and commission trade | 0.190 | 0.200 | 0.193 | 0.206 | 0.200 | 0.156 | 0.152 | 0.156 |
| Retail trade | 0.153 | 0.159 | 0.155 | 0.167 | 0.163 | 0.114 | 0.115 | 0.120 |
| Hotels and restaurants | 0.211 | 0.214 | 0.204 | 0.217 | 0.219 | 0.198 | 0.193 | 0.190 |
| Inland transport | 0.352 | 0.357 | 0.336 | 0.350 | 0.341 | 0.332 | 0.350 | 0.319 |
| Water transport | 0.429 | 0.436 | 0.412 | 0.428 | 0.441 | 0.379 | 0.366 | 0.338 |
| Air transport | 0.516 | 0.524 | 0.497 | 0.514 | 0.547 | 0.482 | 0.449 | 0.439 |
| Other supporting and auxiliary transport activities | 0.257 | 0.261 | 0.245 | 0.258 | 0.234 | 0.167 | 0.163 | 0.130 |
| Post and telecommunications | 0.142 | 0.142 | 0.152 | 0.165 | 0.155 | 0.135 | 0.136 | 0.137 |
| Financial intermediation | 0.128 | 0.145 | 0.137 | 0.145 | 0.150 | 0.145 | 0.142 | 0.143 |
| Real estate activities | 0.077 | 0.085 | 0.081 | 0.089 | 0.098 | 0.091 | 0.090 | 0.091 |
| Renting of M&Eq and other business activities | 0.191 | 0.206 | 0.197 | 0.217 | 0.178 | 0.160 | 0.158 | 0.157 |
| Public administration and defense; compulsory social security | 0.160 | 0.142 | 0.167 | 0.180 | 0.133 | 0.107 | 0.104 | 0.098 |
| Education | 0.129 | 0.104 | 0.136 | 0.147 | 0.116 | 0.120 | 0.119 | 0.122 |
| Health and social work | 0.158 | 0.137 | 0.167 | 0.175 | 0.131 | 0.119 | 0.120 | 0.117 |
| Other community, social, and personal services | 0.214 | 0.223 | 0.220 | 0.254 | 0.350 | 0.318 | 0.312 | 0.300 |
| Private households with employed persons | 0.129 | 0.135 | 0.133 | 0.144 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 3.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.357 | 1.357 | 1.360 | 1.353 | 1.335 | 1.309 | 1.320 | 1.309 |
| Mining and quarrying | 1.412 | 1.437 | 1.419 | 1.372 | 1.516 | 1.522 | 1.527 | 1.538 |
| Food, beverages, and tobacco | 1.791 | 1.784 | 1.785 | 1.768 | 1.687 | 1.679 | 1.679 | 1.653 |
| Textiles and textile products | 1.479 | 1.479 | 1.477 | 1.469 | 1.374 | 1.333 | 1.363 | 1.334 |
| Leather, leather products, and footwear | 1.659 | 1.650 | 1.642 | 1.623 | 1.492 | 1.482 | 1.475 | 1.439 |
| Wood and products of wood and cork | 1.784 | 1.800 | 1.801 | 1.788 | 1.719 | 1.704 | 1.707 | 1.682 |
| Pulp, paper, paper products, printing, and publishing | 1.386 | 1.372 | 1.372 | 1.360 | 1.258 | 1.271 | 1.266 | 1.241 |
| Coke, refined petroleum, and nuclear fuel | 1.000 | 1.201 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Chemicals and chemical products | 1.727 | 1.725 | 1.723 | 1.704 | 1.604 | 1.588 | 1.587 | 1.557 |
| Rubber and plastics | 1.447 | 1.435 | 1.436 | 1.413 | 1.277 | 1.306 | 1.314 | 1.281 |
| Other nonmetallic minerals | 1.768 | 1.769 | 1.764 | 1.737 | 1.714 | 1.717 | 1.720 | 1.702 |
| Basic metals and fabricated metal | 1.679 | 1.663 | 1.664 | 1.636 | 1.511 | 1.529 | 1.533 | 1.498 |
| Machinery, nec | 1.266 | 1.259 | 1.261 | 1.252 | 1.143 | 1.151 | 1.162 | 1.141 |
| Electrical and optical equipment | 1.000 | 2.097 | 1.000 | 1.000 | 1.015 | 1.019 | 1.010 | 1.206 |
| Transport equipment | 1.360 | 1.352 | 1.354 | 1.344 | 1.233 | 1.213 | 1.238 | 1.215 |
| Manufacturing, nec; recycling | 1.752 | 1.750 | 1.747 | 1.734 | 1.636 | 1.612 | 1.615 | 1.583 |
| Electricity, gas, and water supply | 1.302 | 1.329 | 1.326 | 1.303 | 1.437 | 1.402 | 1.405 | 1.392 |
| Construction | 1.611 | 1.596 | 1.597 | 1.593 | 1.649 | 1.665 | 1.667 | 1.625 |
| Sale, maintenance, and repair | 1.424 | 1.421 | 1.420 | 1.413 | 1.369 | 1.285 | 1.301 | 1.299 |
| Wholesale trade and commission trade | 1.438 | 1.432 | 1.434 | 1.425 | 1.359 | 1.310 | 1.311 | 1.306 |
| Retail trade | 1.420 | 1.418 | 1.417 | 1.410 | 1.378 | 1.293 | 1.303 | 1.302 |
| Hotels and restaurants | 1.626 | 1.627 | 1.629 | 1.618 | 1.542 | 1.539 | 1.538 | 1.507 |
| Inland transport | 1.364 | 1.363 | 1.372 | 1.363 | 1.019 | 1.045 | 1.057 | 1.034 |
| Water transport | 1.458 | 1.457 | 1.469 | 1.457 | 1.174 | 1.183 | 1.188 | 1.151 |
| Air transport | 1.447 | 1.445 | 1.461 | 1.447 | 1.200 | 1.220 | 1.220 | 1.185 |
| Other supporting and auxiliary transport activities | 1.487 | 1.487 | 1.493 | 1.485 | 1.159 | 1.130 | 1.132 | 1.096 |
| Post and telecommunications | 1.335 | 1.336 | 1.328 | 1.322 | 1.276 | 1.265 | 1.275 | 1.262 |
| Financial intermediation | 1.298 | 1.291 | 1.293 | 1.290 | 1.269 | 1.284 | 1.285 | 1.274 |
| Real estate activities | 1.382 | 1.378 | 1.379 | 1.374 | 1.374 | 1.377 | 1.379 | 1.373 |
| Renting of M&Eq and other business activities | 1.388 | 1.380 | 1.382 | 1.370 | 1.512 | 1.502 | 1.503 | 1.487 |
| Public administration and defense; compulsory social security | 1.274 | 1.282 | 1.270 | 1.264 | 1.256 | 1.226 | 1.227 | 1.205 |
| Education | 1.232 | 1.241 | 1.229 | 1.225 | 1.312 | 1.355 | 1.360 | 1.357 |
| Health and social work | 1.256 | 1.264 | 1.252 | 1.245 | 1.245 | 1.244 | 1.254 | 1.236 |
| Other community, social, and personal services | 1.705 | 1.698 | 1.688 | 1.670 | 1.175 | 1.188 | 1.196 | 1.167 |
| Private households with employed persons | 1.441 | 1.438 | 1.436 | 1.428 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

3.2

Fiji

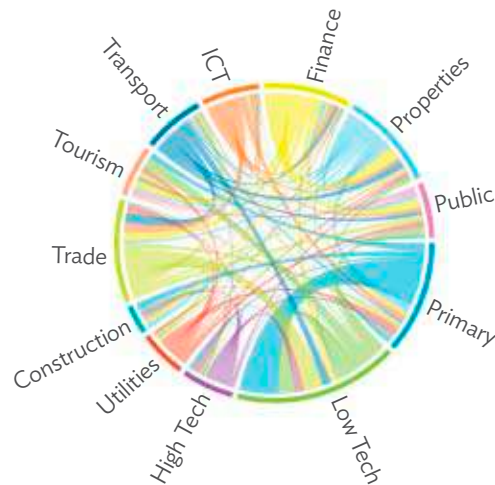
Figure 3.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

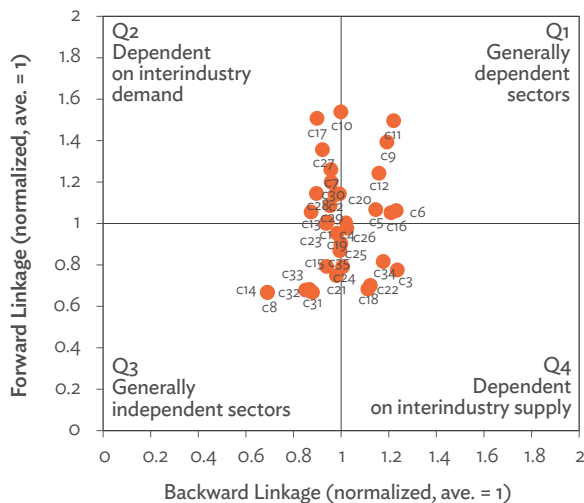
Figure 3.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

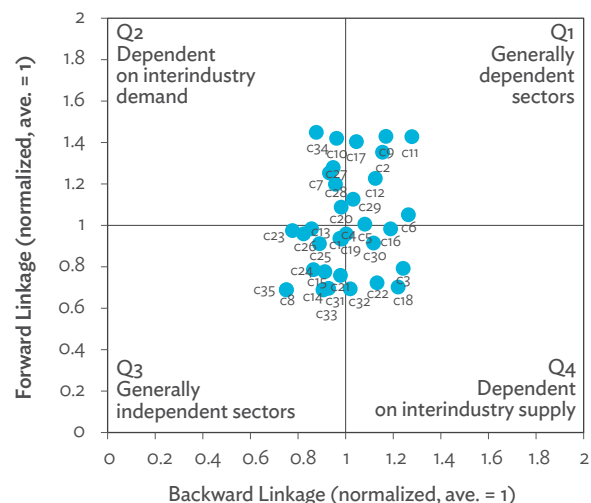
Figure 3.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.2.2b: Backward and Forward Linkages by Industry, 2017

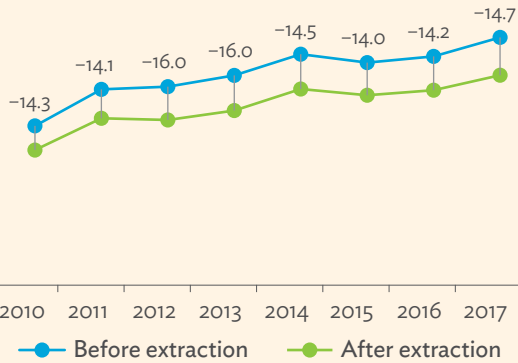


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Box 3: Hypothetical Extraction of Agriculture, Hunting, Forestry, and Fishing Industry in Fiji

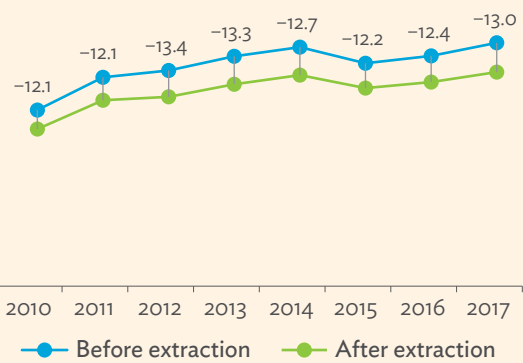
Figure 3.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

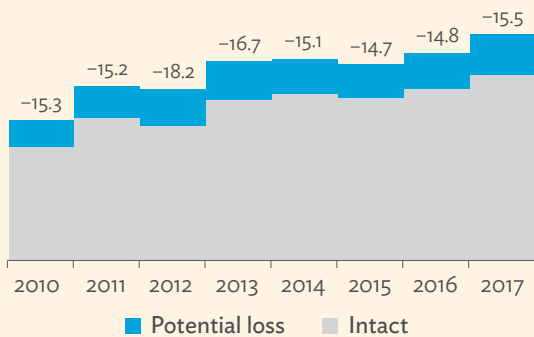
Figure 3.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

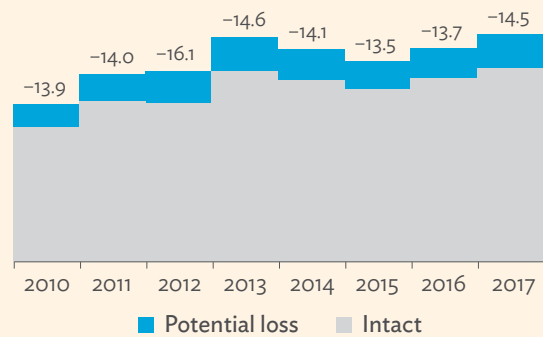
Figure 3.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

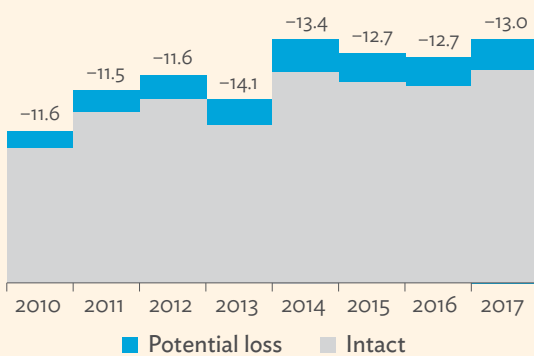
Figure 3.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

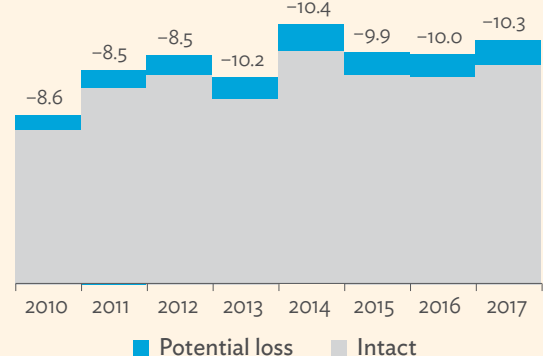
Figure 3.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)




Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 3.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.936 | 0.913 | 0.939 | 0.942 | 0.990 | 0.976 | 0.981 | 0.982 |
| Mining and quarrying | 0.974 | 0.967 | 0.980 | 0.955 | 1.124 | 1.135 | 1.134 | 1.154 |
| Food, beverages, and tobacco | 1.235 | 1.200 | 1.233 | 1.231 | 1.251 | 1.252 | 1.247 | 1.241 |
| Textiles and textile products | 1.020 | 0.995 | 1.020 | 1.023 | 1.019 | 0.994 | 1.012 | 1.001 |
| Leather, leather products, and footwear | 1.144 | 1.110 | 1.134 | 1.130 | 1.106 | 1.105 | 1.096 | 1.080 |
| Wood and products of wood and cork | 1.230 | 1.211 | 1.244 | 1.245 | 1.274 | 1.270 | 1.268 | 1.263 |
| Pulp, paper, paper products, printing, and publishing | 0.956 | 0.923 | 0.947 | 0.947 | 0.933 | 0.947 | 0.941 | 0.931 |
| Coke, refined petroleum, and nuclear fuel | 0.690 | 0.808 | 0.691 | 0.696 | 0.741 | 0.746 | 0.743 | 0.750 |
| Chemicals and chemical products | 1.191 | 1.161 | 1.190 | 1.187 | 1.189 | 1.184 | 1.179 | 1.168 |
| Rubber and plastics | 0.998 | 0.966 | 0.991 | 0.984 | 0.946 | 0.974 | 0.976 | 0.961 |
| Other nonmetallic minerals | 1.219 | 1.190 | 1.218 | 1.210 | 1.271 | 1.280 | 1.278 | 1.277 |
| Basic metals and fabricated metal | 1.158 | 1.119 | 1.149 | 1.139 | 1.120 | 1.140 | 1.139 | 1.124 |
| Machinery, nec | 0.873 | 0.847 | 0.871 | 0.872 | 0.847 | 0.858 | 0.863 | 0.856 |
| Electrical and optical equipment | 0.690 | 1.411 | 0.691 | 0.696 | 0.752 | 0.760 | 0.750 | 0.905 |
| Transport equipment | 0.938 | 0.910 | 0.935 | 0.936 | 0.914 | 0.904 | 0.920 | 0.912 |
| Manufacturing, nec; recycling | 1.208 | 1.178 | 1.207 | 1.208 | 1.213 | 1.202 | 1.200 | 1.188 |
| Electricity, gas, and water supply | 0.898 | 0.894 | 0.916 | 0.908 | 1.065 | 1.045 | 1.043 | 1.044 |
| Construction | 1.111 | 1.074 | 1.103 | 1.110 | 1.222 | 1.241 | 1.239 | 1.219 |
| Sale, maintenance, and repair | 0.982 | 0.956 | 0.981 | 0.984 | 1.014 | 0.958 | 0.966 | 0.975 |
| Wholesale trade and commission trade | 0.991 | 0.964 | 0.990 | 0.993 | 1.008 | 0.977 | 0.974 | 0.980 |
| Retail trade | 0.979 | 0.954 | 0.979 | 0.982 | 1.021 | 0.964 | 0.968 | 0.977 |
| Hotels and restaurants | 1.122 | 1.095 | 1.125 | 1.127 | 1.143 | 1.148 | 1.143 | 1.131 |
| Inland transport | 0.941 | 0.917 | 0.947 | 0.949 | 0.755 | 0.779 | 0.785 | 0.776 |
| Water transport | 1.005 | 0.980 | 1.015 | 1.015 | 0.870 | 0.882 | 0.883 | 0.864 |
| Air transport | 0.998 | 0.973 | 1.009 | 1.008 | 0.889 | 0.909 | 0.906 | 0.889 |
| Other supporting and auxiliary transport activities | 1.025 | 1.000 | 1.031 | 1.034 | 0.859 | 0.842 | 0.841 | 0.823 |
| Post and telecommunications | 0.920 | 0.899 | 0.917 | 0.920 | 0.946 | 0.943 | 0.947 | 0.947 |
| Financial intermediation | 0.895 | 0.869 | 0.893 | 0.898 | 0.940 | 0.957 | 0.954 | 0.956 |
| Real estate activities | 0.953 | 0.928 | 0.952 | 0.957 | 1.018 | 1.027 | 1.025 | 1.031 |
| Renting of M&Eq and other business activities | 0.957 | 0.929 | 0.954 | 0.954 | 1.120 | 1.120 | 1.116 | 1.116 |
| Public administration and defense; compulsory social security | 0.879 | 0.863 | 0.877 | 0.881 | 0.931 | 0.914 | 0.912 | 0.904 |
| Education | 0.850 | 0.835 | 0.849 | 0.853 | 0.973 | 1.010 | 1.010 | 1.018 |
| Health and social work | 0.866 | 0.851 | 0.864 | 0.867 | 0.923 | 0.927 | 0.931 | 0.928 |
| Other community, social, and personal services | 1.176 | 1.142 | 1.166 | 1.163 | 0.871 | 0.886 | 0.888 | 0.876 |
| Private households with employed persons | 0.994 | 0.968 | 0.991 | 0.994 | 0.741 | 0.746 | 0.743 | 0.750 |

lowest linkage  highest linkage


M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 3.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.997 | 0.990 | 0.967 | 0.965 | 0.949 | 0.949 | 0.945 | 0.935 |
| Mining and quarrying | 1.136 | 1.049 | 1.097 | 1.175 | 1.193 | 1.290 | 1.309 | 1.354 |
| Food, beverages, and tobacco | 0.771 | 0.775 | 0.777 | 0.779 | 0.789 | 0.793 | 0.793 | 0.794 |
| Textiles and textile products | 0.999 | 1.013 | 1.004 | 1.002 | 0.981 | 0.963 | 0.971 | 0.960 |
| Leather, leather products, and footwear | 1.063 | 1.080 | 1.056 | 1.048 | 1.051 | 1.029 | 1.025 | 1.007 |
| Wood and products of wood and cork | 1.059 | 1.065 | 1.070 | 1.074 | 1.062 | 1.063 | 1.068 | 1.053 |
| Pulp, paper, paper products, printing, and publishing | 1.257 | 1.269 | 1.239 | 1.228 | 1.267 | 1.262 | 1.255 | 1.254 |
| Coke, refined petroleum, and nuclear fuel | 0.663 | 0.662 | 0.663 | 0.665 | 0.679 | 0.683 | 0.682 | 0.691 |
| Chemicals and chemical products | 1.391 | 1.434 | 1.402 | 1.363 | 1.412 | 1.427 | 1.427 | 1.430 |
| Rubber and plastics | 1.537 | 1.508 | 1.516 | 1.492 | 1.427 | 1.423 | 1.420 | 1.421 |
| Other nonmetallic minerals | 1.494 | 1.482 | 1.488 | 1.488 | 1.427 | 1.426 | 1.425 | 1.429 |
| Basic metals and fabricated metal | 1.240 | 1.214 | 1.225 | 1.222 | 1.232 | 1.238 | 1.242 | 1.228 |
| Machinery, nec | 1.052 | 1.058 | 1.069 | 1.059 | 1.013 | 0.998 | 0.993 | 0.985 |
| Electrical and optical equipment | 0.662 | 0.662 | 0.663 | 0.665 | 0.679 | 0.683 | 0.682 | 0.691 |
| Transport equipment | 0.788 | 0.789 | 0.793 | 0.794 | 0.788 | 0.784 | 0.776 | 0.778 |
| Manufacturing, nec; recycling | 1.049 | 1.059 | 1.066 | 1.063 | 1.013 | 0.997 | 0.992 | 0.984 |
| Electricity, gas, and water supply | 1.506 | 1.414 | 1.412 | 1.405 | 1.424 | 1.409 | 1.405 | 1.405 |
| Construction | 0.678 | 0.678 | 0.679 | 0.681 | 0.696 | 0.700 | 0.696 | 0.704 |
| Sale, maintenance, and repair | 0.949 | 0.968 | 0.963 | 0.962 | 0.959 | 0.950 | 0.947 | 0.939 |
| Wholesale trade and commission trade | 1.140 | 1.174 | 1.165 | 1.161 | 1.110 | 1.102 | 1.098 | 1.089 |
| Retail trade | 0.744 | 0.748 | 0.748 | 0.750 | 0.757 | 0.758 | 0.757 | 0.760 |
| Hotels and restaurants | 0.696 | 0.694 | 0.694 | 0.695 | 0.707 | 0.716 | 0.722 | 0.724 |
| Inland transport | 1.004 | 0.978 | 0.966 | 0.950 | 0.988 | 0.981 | 0.979 | 0.976 |
| Water transport | 0.787 | 0.782 | 0.777 | 0.773 | 0.790 | 0.787 | 0.785 | 0.788 |
| Air transport | 0.899 | 0.893 | 0.881 | 0.870 | 0.886 | 0.901 | 0.919 | 0.913 |
| Other supporting and auxiliary transport activities | 0.973 | 0.961 | 0.946 | 0.935 | 0.940 | 0.951 | 0.966 | 0.960 |
| Post and telecommunications | 1.354 | 1.316 | 1.408 | 1.412 | 1.294 | 1.282 | 1.281 | 1.280 |
| Financial intermediation | 1.142 | 1.228 | 1.191 | 1.169 | 1.224 | 1.207 | 1.203 | 1.200 |
| Real estate activities | 1.083 | 1.118 | 1.111 | 1.136 | 1.152 | 1.131 | 1.128 | 1.127 |
| Renting of M&Eq and other business activities | 1.197 | 1.233 | 1.222 | 1.249 | 0.927 | 0.925 | 0.920 | 0.916 |
| Public administration and defense; compulsory social security | 0.663 | 0.662 | 0.663 | 0.666 | 0.679 | 0.683 | 0.682 | 0.691 |
| Education | 0.674 | 0.670 | 0.675 | 0.677 | 0.685 | 0.688 | 0.687 | 0.695 |
| Health and social work | 0.676 | 0.673 | 0.679 | 0.681 | 0.687 | 0.691 | 0.689 | 0.698 |
| Other community, social, and personal services | 0.812 | 0.820 | 0.833 | 0.841 | 1.454 | 1.448 | 1.449 | 1.450 |
| Private households with employed persons | 0.865 | 0.877 | 0.895 | 0.905 | 0.679 | 0.683 | 0.682 | 0.691 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

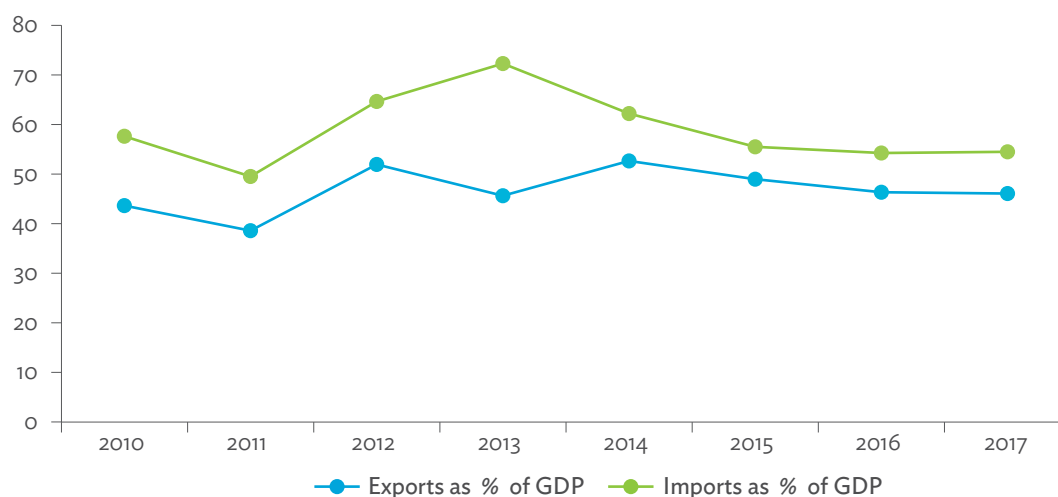
Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

3.3

Fiji

Figure 3.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)

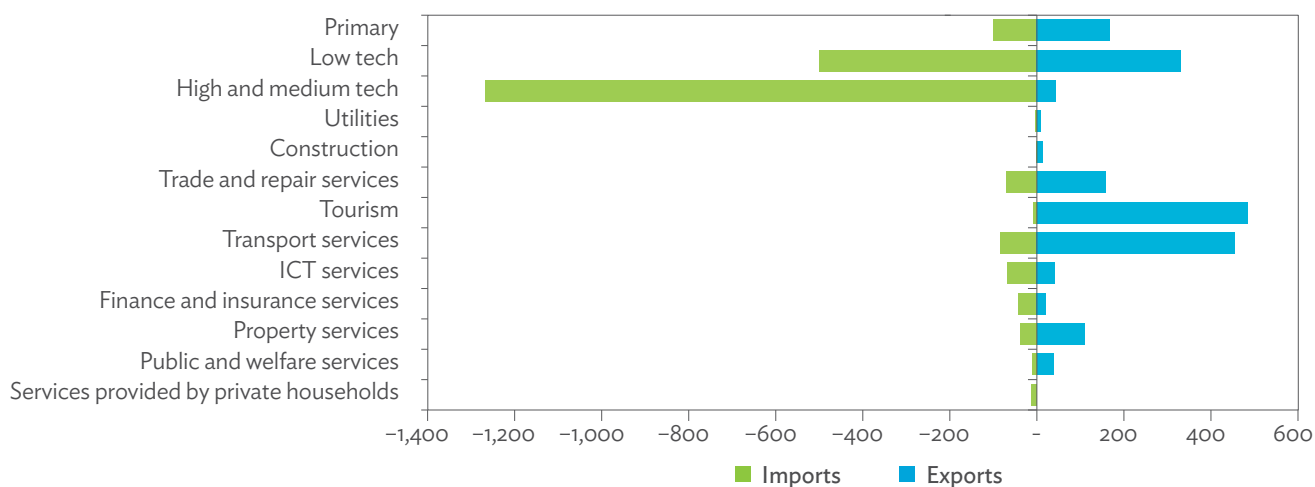


GDP = gross domestic product.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.3.2: Total Foreign Trade by Sector, 2017 (\$ million)

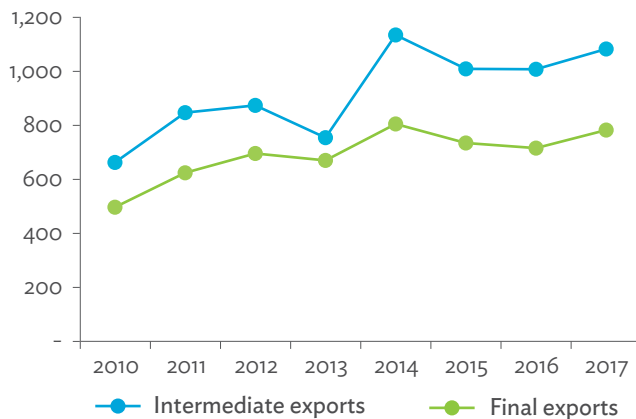


\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)

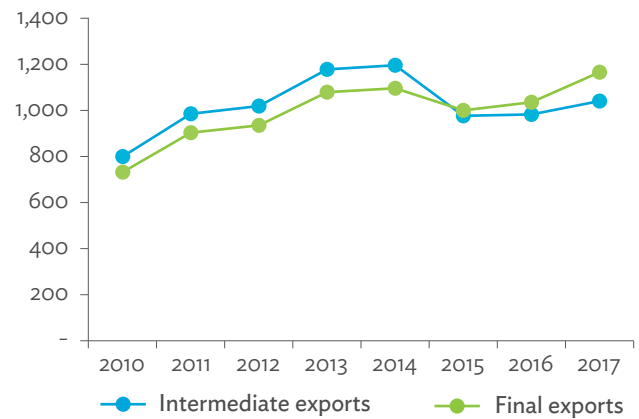


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)

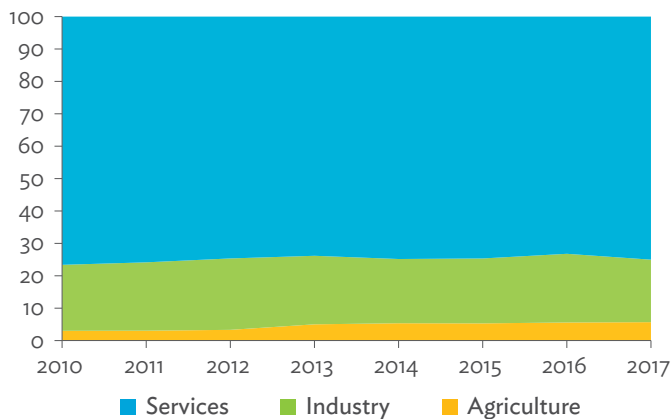


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

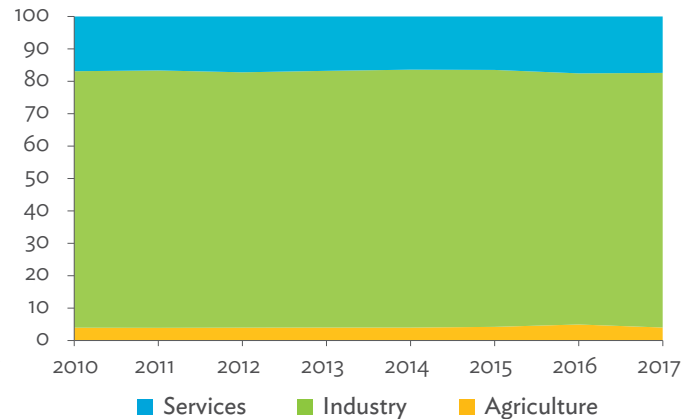
Figure 3.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

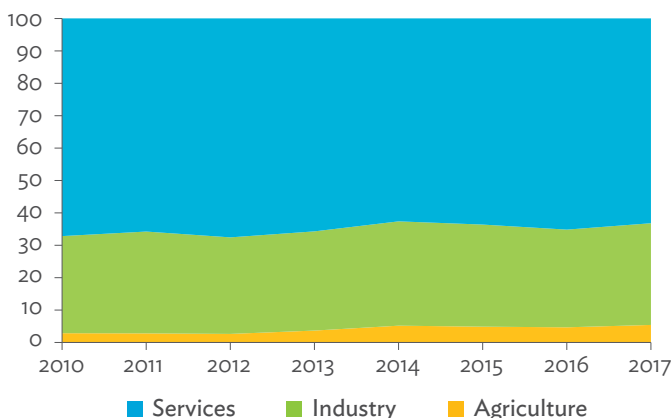
Figure 3.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

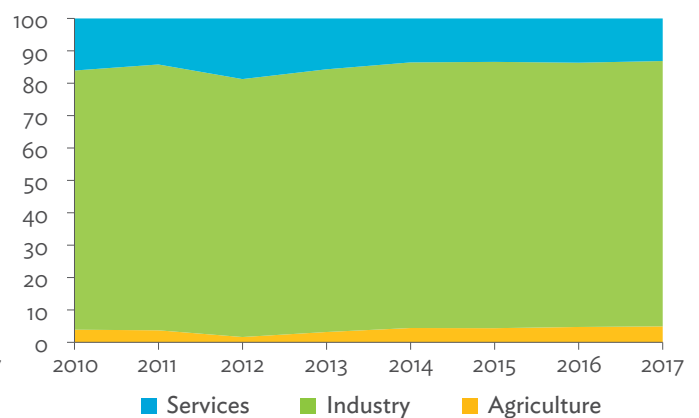
Figure 3.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

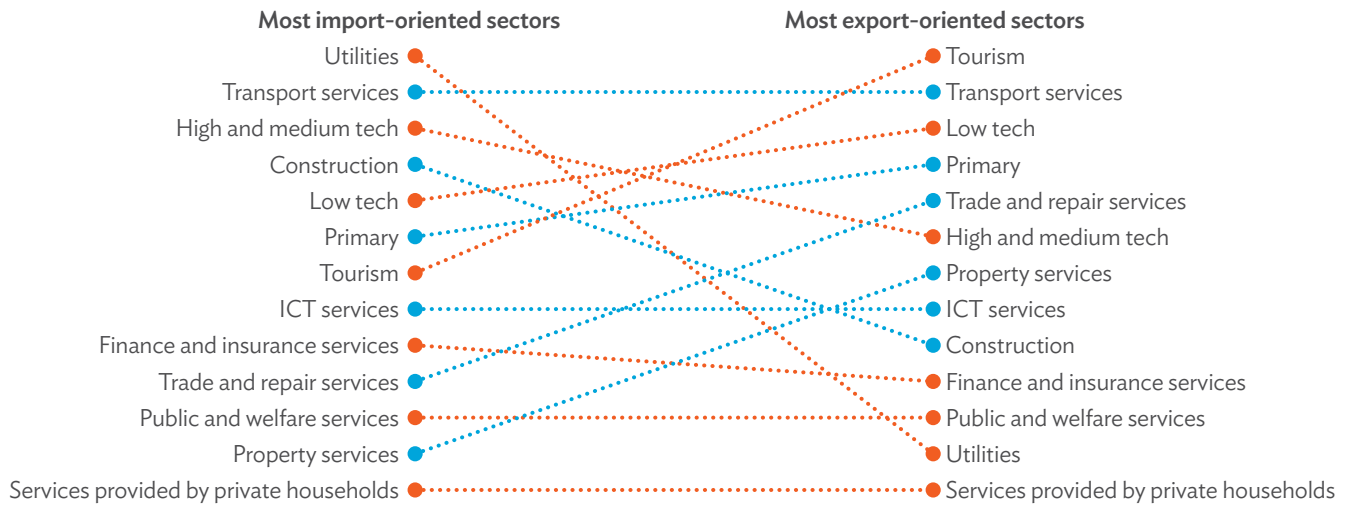
Figure 3.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

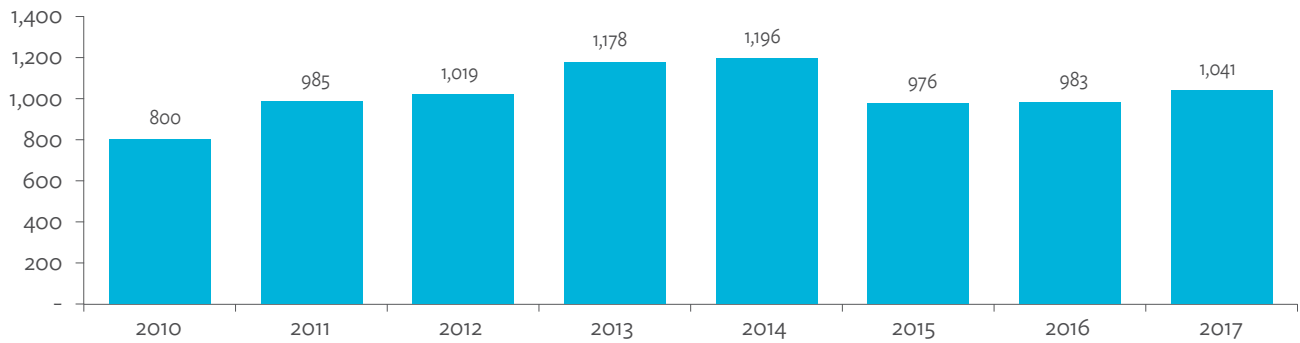
Figure 3.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

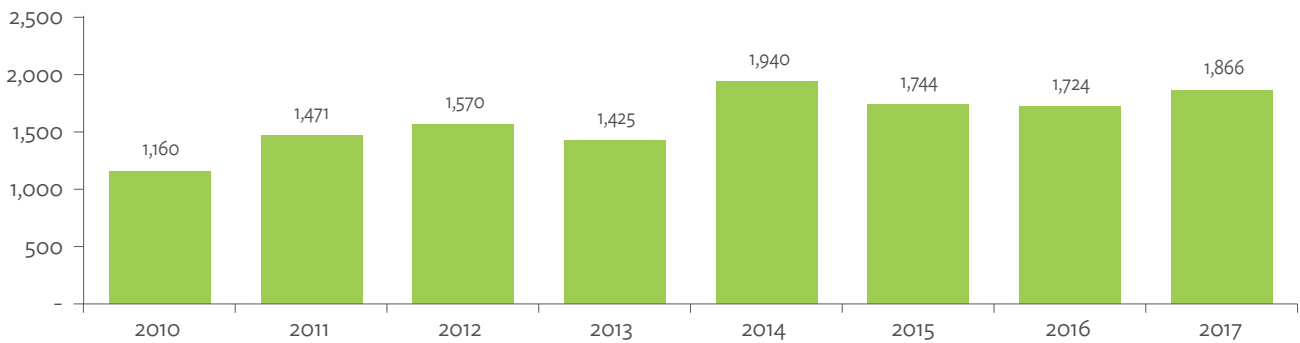
Figure 3.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

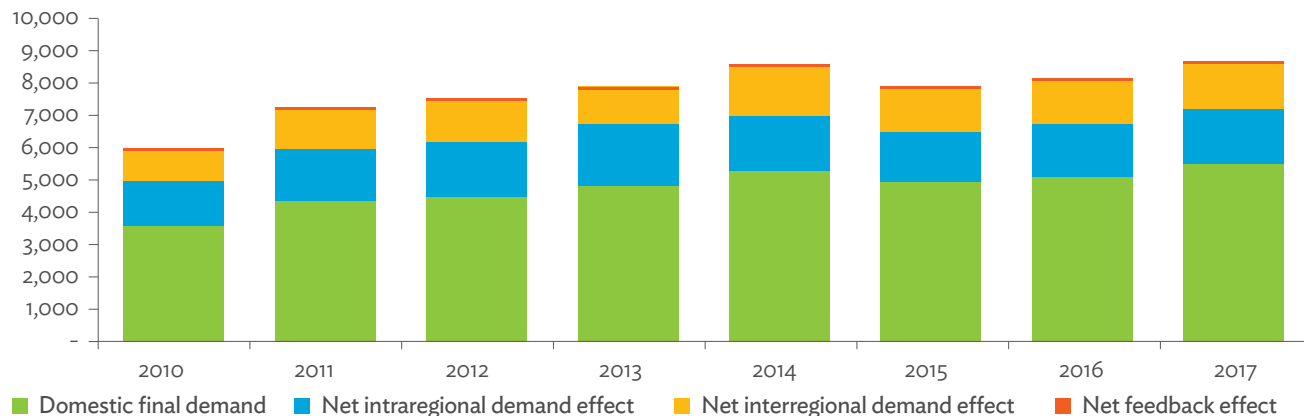
Figure 3.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

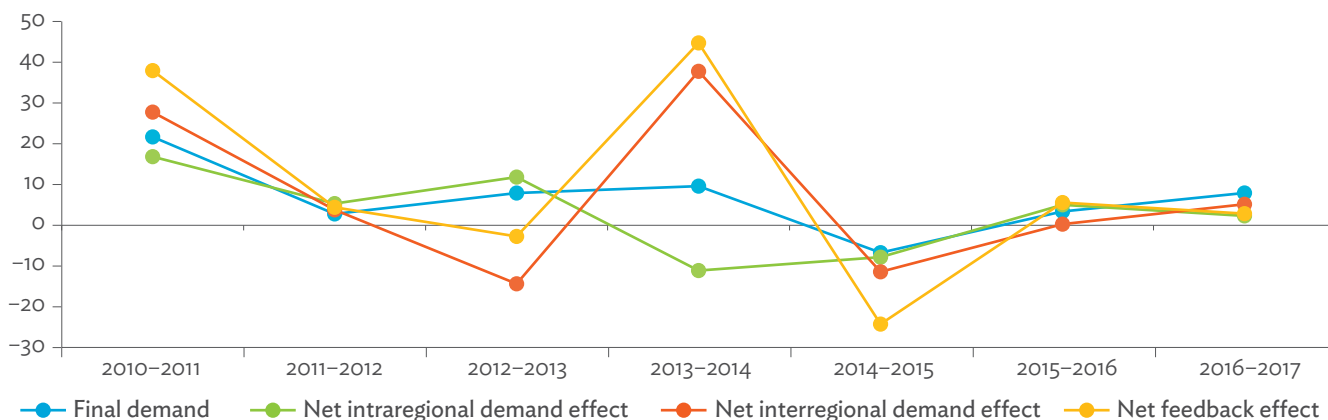


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

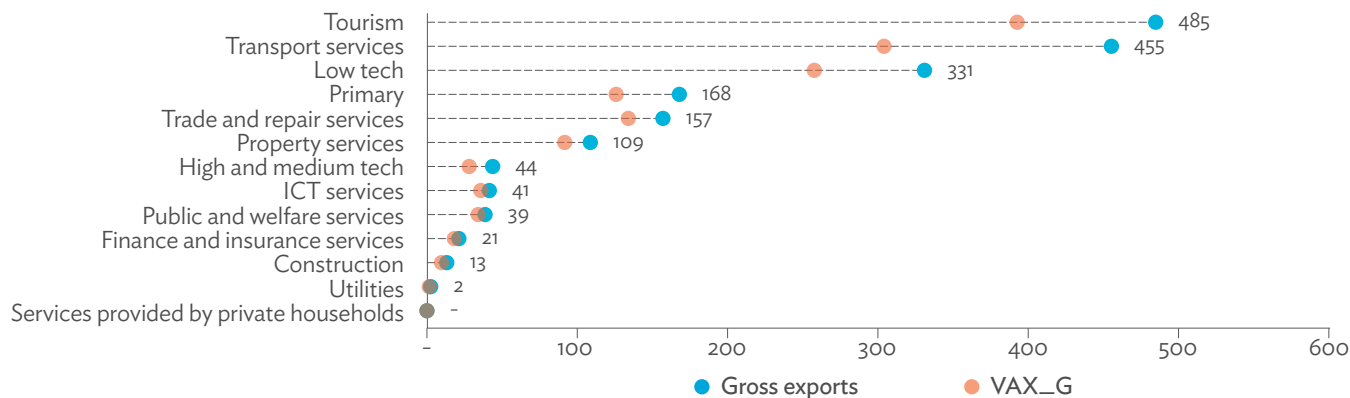
Figure 3.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

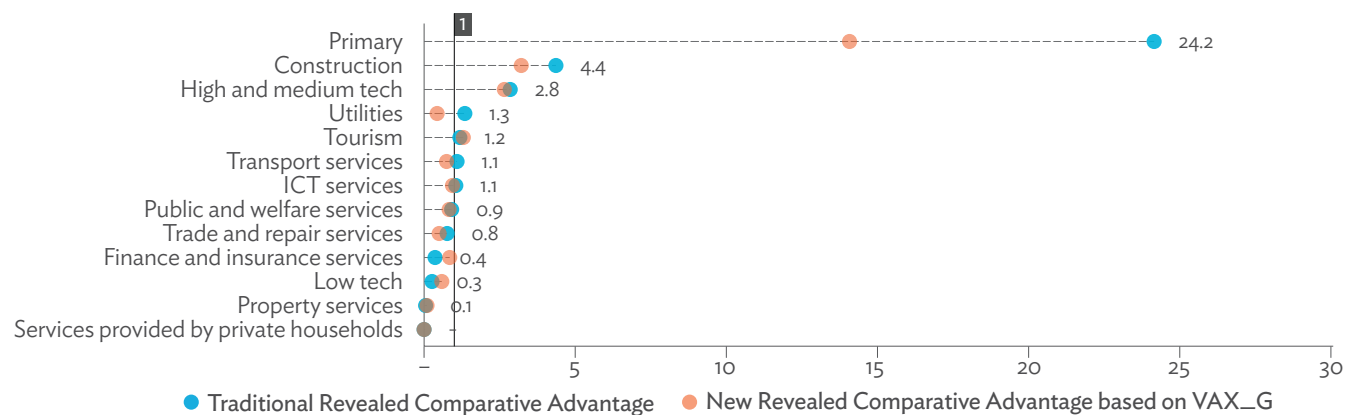


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 3.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Final demand | | | | | | | | |
| Primary | 318 | 405 | 467 | 486 | 522 | 469 | 493 | 565 |
| Low tech | 901 | 1,049 | 1,121 | 1,225 | 1,200 | 1,125 | 1,164 | 1,215 |
| High and medium tech | 73 | 85 | 92 | 102 | 94 | 85 | 88 | 94 |
| Business service | 1,723 | 1,947 | 2,138 | 2,324 | 2,467 | 2,331 | 2,400 | 2,589 |
| Personal service | 563 | 866 | 657 | 691 | 1,011 | 927 | 960 | 1,045 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 192 | 220 | 232 | 257 | 225 | 215 | 224 | 237 |
| Low tech | 294 | 352 | 367 | 409 | 378 | 330 | 346 | 345 |
| High and medium tech | 104 | 121 | 126 | 140 | 127 | 116 | 121 | 123 |
| Business service | 773 | 899 | 950 | 1,067 | 937 | 877 | 924 | 947 |
| Personal service | 21 | 25 | 28 | 32 | 25 | 23 | 25 | 26 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 3.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|------|------|------|------|-------|------|------|-------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 85 | 114 | 114 | 109 | 152 | 137 | 149 | 148 |
| Low tech | 180 | 233 | 253 | 216 | 279 | 243 | 250 | 247 |
| High and medium tech | 27 | 32 | 39 | 30 | 45 | 38 | 38 | 40 |
| Business service | 706 | 896 | 915 | 777 | 1,097 | 974 | 958 | 1,033 |
| Personal service | 18 | 22 | 24 | 20 | 16 | 13 | 16 | 15 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Low tech | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| High and medium tech | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Business service | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 |
| Personal service | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 3.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.3571 | 0.3565 | 0.3603 | 0.3533 | 0.3351 | 0.3093 | 0.3205 | 0.3091 |
| Mining and quarrying | 0.4120 | 0.4368 | 0.4192 | 0.3719 | 0.5165 | 0.5222 | 0.5265 | 0.5378 |
| Food, beverages, and tobacco | 0.7905 | 0.7838 | 0.7847 | 0.7683 | 0.6874 | 0.6788 | 0.6789 | 0.6533 |
| Textiles and textile products | 0.4790 | 0.4793 | 0.4767 | 0.4692 | 0.3744 | 0.3333 | 0.3626 | 0.3344 |
| Leather, leather products, and footwear | 0.6590 | 0.6496 | 0.6421 | 0.6229 | 0.4920 | 0.4822 | 0.4752 | 0.4387 |
| Wood and products of wood and cork | 0.7836 | 0.7996 | 0.8007 | 0.7876 | 0.7185 | 0.7036 | 0.7068 | 0.6825 |
| Pulp, paper, paper products, printing, and publishing | 0.3860 | 0.3716 | 0.3717 | 0.3596 | 0.2582 | 0.2707 | 0.2663 | 0.2410 |
| Coke, refined petroleum, and nuclear fuel | 0.0000 | 0.2009 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Chemicals and chemical products | 0.7271 | 0.7248 | 0.7230 | 0.7039 | 0.6040 | 0.5883 | 0.5869 | 0.5569 |
| Rubber and plastics | 0.4468 | 0.4350 | 0.4355 | 0.4132 | 0.2769 | 0.3059 | 0.3138 | 0.2809 |
| Other nonmetallic minerals | 0.7683 | 0.7692 | 0.7643 | 0.7370 | 0.7142 | 0.7172 | 0.7202 | 0.7020 |
| Basic metals and fabricated metal | 0.6787 | 0.6629 | 0.6636 | 0.6361 | 0.5112 | 0.5287 | 0.5329 | 0.4975 |
| Machinery, nec | 0.2658 | 0.2592 | 0.2611 | 0.2520 | 0.1431 | 0.1508 | 0.1619 | 0.1408 |
| Electrical and optical equipment | 0.0000 | 1.0970 | 0.0000 | 0.0000 | 0.0152 | 0.0189 | 0.0098 | 0.2064 |
| Transport equipment | 0.3605 | 0.3520 | 0.3542 | 0.3435 | 0.2327 | 0.2129 | 0.2381 | 0.2152 |
| Manufacturing, nec; recycling | 0.7520 | 0.7505 | 0.7473 | 0.7343 | 0.6364 | 0.6116 | 0.6154 | 0.5829 |
| Electricity, gas, and water supply | 0.3018 | 0.3290 | 0.3263 | 0.3034 | 0.4371 | 0.4017 | 0.4047 | 0.3916 |
| Construction | 0.6114 | 0.5956 | 0.5969 | 0.5932 | 0.6489 | 0.6652 | 0.6675 | 0.6249 |
| Sale, maintenance, and repair | 0.4238 | 0.4209 | 0.4199 | 0.4131 | 0.3686 | 0.2848 | 0.3009 | 0.2993 |
| Wholesale trade and commission trade | 0.4376 | 0.4324 | 0.4335 | 0.4252 | 0.3593 | 0.3099 | 0.3106 | 0.3065 |
| Retail trade | 0.4200 | 0.4181 | 0.4171 | 0.4100 | 0.3779 | 0.2934 | 0.3028 | 0.3024 |
| Hotels and restaurants | 0.6263 | 0.6273 | 0.6288 | 0.6181 | 0.5418 | 0.5393 | 0.5381 | 0.5072 |
| Inland transport | 0.3641 | 0.3633 | 0.3717 | 0.3630 | 0.0187 | 0.0447 | 0.0568 | 0.0339 |
| Water transport | 0.4578 | 0.4570 | 0.4695 | 0.4570 | 0.1738 | 0.1826 | 0.1883 | 0.1514 |
| Air transport | 0.4466 | 0.4453 | 0.4614 | 0.4469 | 0.1997 | 0.2196 | 0.2196 | 0.1849 |
| Other supporting and auxiliary transport activities | 0.4866 | 0.4868 | 0.4931 | 0.4850 | 0.1586 | 0.1300 | 0.1323 | 0.0962 |
| Post and telecommunications | 0.3347 | 0.3359 | 0.3278 | 0.3215 | 0.2764 | 0.2646 | 0.2751 | 0.2618 |
| Financial intermediation | 0.2981 | 0.2914 | 0.2931 | 0.2896 | 0.2688 | 0.2842 | 0.2848 | 0.2744 |
| Real estate activities | 0.3815 | 0.3785 | 0.3787 | 0.3744 | 0.3738 | 0.3775 | 0.3794 | 0.3733 |
| Renting of M&Eq and other business activities | 0.3878 | 0.3803 | 0.3820 | 0.3703 | 0.5116 | 0.5019 | 0.5027 | 0.4873 |
| Public administration and defense; compulsory social security | 0.2741 | 0.2822 | 0.2702 | 0.2644 | 0.2563 | 0.2263 | 0.2272 | 0.2052 |
| Education | 0.2323 | 0.2409 | 0.2291 | 0.2249 | 0.3124 | 0.3547 | 0.3598 | 0.3570 |
| Health and social work | 0.2557 | 0.2642 | 0.2516 | 0.2454 | 0.2454 | 0.2437 | 0.2536 | 0.2360 |
| Other community, social, and personal services | 0.7047 | 0.6975 | 0.6880 | 0.6697 | 0.1751 | 0.1883 | 0.1957 | 0.1673 |
| Private households with employed persons | 0.4408 | 0.4382 | 0.4356 | 0.4280 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 3.3.4: Net Interregional Multipliers (M2), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.4481 | 0.4667 | 0.4338 | 0.4757 | 0.4743 | 0.4056 | 0.4099 | 0.4178 |
| Mining and quarrying | 0.8744 | 0.8138 | 0.8660 | 1.0623 | 1.1287 | 1.0405 | 1.0169 | 1.1133 |
| Food, beverages, and tobacco | 0.6040 | 0.6358 | 0.6149 | 0.6687 | 0.6710 | 0.6071 | 0.5873 | 0.5946 |
| Textiles and textile products | 0.3787 | 0.3873 | 0.3750 | 0.4106 | 0.3992 | 0.3281 | 0.3472 | 0.3345 |
| Leather, leather products, and footwear | 0.7607 | 0.8234 | 0.8010 | 0.8755 | 0.8579 | 0.7764 | 0.7406 | 0.7311 |
| Wood and products of wood and cork | 0.5465 | 0.5222 | 0.5069 | 0.5512 | 0.5519 | 0.4938 | 0.4822 | 0.4894 |
| Pulp, paper, paper products, printing, and publishing | 0.7159 | 0.8066 | 0.7916 | 0.8563 | 0.8612 | 0.7977 | 0.7502 | 0.7457 |
| Coke, refined petroleum, and nuclear fuel | 2.3608 | 2.1385 | 2.3605 | 2.4227 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Chemicals and chemical products | 0.7828 | 0.8124 | 0.7909 | 0.8583 | 0.8987 | 0.7996 | 0.7768 | 0.7729 |
| Rubber and plastics | 1.3082 | 1.3780 | 1.3538 | 1.4433 | 1.4724 | 1.3876 | 1.3518 | 1.3585 |
| Other nonmetallic minerals | 0.7296 | 0.7401 | 0.7471 | 0.8468 | 0.8638 | 0.8116 | 0.7953 | 0.8260 |
| Basic metals and fabricated metal | 1.1785 | 1.2371 | 1.2132 | 1.3002 | 1.3036 | 1.2269 | 1.1997 | 1.1971 |
| Machinery, nec | 0.7834 | 0.8310 | 0.8153 | 0.8809 | 0.8784 | 0.7950 | 0.8003 | 0.7802 |
| Electrical and optical equipment | 0.0000 | 0.3758 | 0.0000 | 0.0000 | 1.0391 | 1.6423 | 0.8772 | 0.6065 |
| Transport equipment | 0.7607 | 0.8096 | 0.7788 | 0.8438 | 0.8540 | 0.7256 | 0.7721 | 0.7480 |
| Manufacturing, nec; recycling | 0.4816 | 0.5021 | 0.4871 | 0.5306 | 0.5220 | 0.4630 | 0.4541 | 0.4496 |
| Electricity, gas, and water supply | 1.1776 | 1.1102 | 1.0903 | 1.2075 | 1.2515 | 1.0514 | 1.0264 | 1.0700 |
| Construction | 0.6723 | 0.7335 | 0.7130 | 0.7436 | 0.7729 | 0.7418 | 0.7281 | 0.7192 |
| Sale, maintenance, and repair | 0.3311 | 0.3543 | 0.3444 | 0.3833 | 0.3929 | 0.2754 | 0.2867 | 0.3004 |
| Wholesale trade and commission trade | 0.4554 | 0.4891 | 0.4700 | 0.5143 | 0.5021 | 0.3960 | 0.3847 | 0.3942 |
| Retail trade | 0.3530 | 0.3750 | 0.3631 | 0.3982 | 0.3894 | 0.2741 | 0.2750 | 0.2876 |
| Hotels and restaurants | 0.5191 | 0.5358 | 0.5101 | 0.5524 | 0.5565 | 0.5087 | 0.4927 | 0.4871 |
| Inland transport | 0.8974 | 0.9193 | 0.8591 | 0.9152 | 0.8956 | 0.8860 | 0.9357 | 0.8552 |
| Water transport | 1.1254 | 1.1622 | 1.0995 | 1.1585 | 1.2027 | 1.0460 | 1.0123 | 0.9366 |
| Air transport | 1.3100 | 1.3566 | 1.2888 | 1.3596 | 1.4490 | 1.3088 | 1.2224 | 1.1933 |
| Other supporting and auxiliary transport activities | 0.6444 | 0.6717 | 0.6316 | 0.6747 | 0.6157 | 0.4473 | 0.4353 | 0.3477 |
| Post and telecommunications | 0.3331 | 0.3418 | 0.3628 | 0.3995 | 0.3757 | 0.3293 | 0.3301 | 0.3311 |
| Financial intermediation | 0.3025 | 0.3509 | 0.3292 | 0.3546 | 0.3674 | 0.3591 | 0.3489 | 0.3527 |
| Real estate activities | 0.1838 | 0.2049 | 0.1958 | 0.2185 | 0.2415 | 0.2261 | 0.2208 | 0.2251 |
| Renting of M&Eq and other business activities | 0.4914 | 0.5408 | 0.5172 | 0.5791 | 0.4732 | 0.4318 | 0.4254 | 0.4239 |
| Public administration and defense; compulsory social security | 0.3920 | 0.3571 | 0.4196 | 0.4583 | 0.3380 | 0.2750 | 0.2670 | 0.2523 |
| Education | 0.3052 | 0.2531 | 0.3280 | 0.3580 | 0.2890 | 0.2997 | 0.2943 | 0.3030 |
| Health and social work | 0.4061 | 0.3607 | 0.4427 | 0.4714 | 0.3531 | 0.3199 | 0.3230 | 0.3177 |
| Other community, social, and personal services | 0.5315 | 0.5669 | 0.5575 | 0.6461 | 0.8838 | 0.8048 | 0.7865 | 0.7592 |
| Private households with employed persons | 0.3163 | 0.3375 | 0.3329 | 0.3667 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 3.3-5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mining and quarrying | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Food, beverages, and tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Textiles and textile products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Leather, leather products, and footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Pulp, paper, paper products, printing, and publishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Coke, refined petroleum, and nuclear fuel | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Chemicals and chemical products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Rubber and plastics | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other nonmetallic minerals | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Basic metals and fabricated metal | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Machinery, nec | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electrical and optical equipment | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Transport equipment | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing, nec; recycling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity, gas, and water supply | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Construction | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Sale, maintenance, and repair | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wholesale trade and commission trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Retail trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotels and restaurants | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Inland transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Air transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other supporting and auxiliary transport activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Post and telecommunications | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Financial intermediation | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Real estate activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Renting of M&Eq and other business activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Public administration and defense; compulsory social security | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Education | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Health and social work | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other community, social, and personal services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 3.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 86 | 62 | 125 | 92 | 111 | 83 | 105 | 77 | 167 | 122 | 151 | 114 | 151 | 115 | 168 | 126 |
| Low tech | 207 | 158 | 262 | 197 | 295 | 227 | 291 | 217 | 356 | 266 | 315 | 244 | 312 | 243 | 331 | 258 |
| High and medium tech | 24 | 15 | 31 | 19 | 39 | 25 | 30 | 18 | 47 | 28 | 41 | 26 | 41 | 26 | 44 | 28 |
| Utilities | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |
| Construction | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 9 | 13 | 9 | 13 | 9 | 13 | 10 |
| Trade and repair services | 76 | 62 | 97 | 79 | 110 | 90 | 72 | 58 | 148 | 120 | 139 | 118 | 138 | 118 | 157 | 134 |
| Tourism | 345 | 272 | 427 | 335 | 455 | 362 | 413 | 323 | 496 | 387 | 456 | 366 | 453 | 365 | 485 | 393 |
| Transport services | 347 | 198 | 435 | 246 | 457 | 269 | 422 | 241 | 494 | 278 | 434 | 272 | 423 | 274 | 455 | 304 |
| ICT services | 16 | 14 | 21 | 18 | 22 | 19 | 20 | 17 | 42 | 35 | 38 | 33 | 38 | 33 | 41 | 36 |
| Finance and insurance services | 9 | 8 | 12 | 10 | 13 | 11 | 12 | 10 | 22 | 19 | 20 | 17 | 20 | 17 | 21 | 18 |
| Property services | 30 | 25 | 39 | 31 | 41 | 33 | 37 | 29 | 113 | 93 | 100 | 84 | 99 | 83 | 109 | 92 |
| Public and welfare services | 13 | 11 | 16 | 14 | 17 | 14 | 16 | 13 | 39 | 34 | 35 | 31 | 35 | 30 | 39 | 34 |
| Services provided by private households | 5 | 5 | 7 | 6 | 8 | 7 | 7 | 6 | - | - | - | - | - | - | - | - |

\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 3.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 0.682 | 0.777 | 0.697 | 0.739 | 0.583 | 0.688 | 0.638 | 0.773 | 0.792 | 0.770 | 0.894 | 0.826 | 0.926 | 0.843 | 0.912 | 0.828 |
| Low tech | 1.236 | 1.432 | 1.255 | 1.471 | 1.334 | 1.525 | 1.401 | 1.544 | 1.234 | 1.389 | 1.207 | 1.334 | 1.212 | 1.332 | 1.185 | 1.298 |
| High and medium tech | 0.045 | 0.090 | 0.045 | 0.094 | 0.054 | 0.102 | 0.046 | 0.091 | 0.053 | 0.100 | 0.051 | 0.098 | 0.052 | 0.099 | 0.051 | 0.098 |
| Utilities | 0.066 | 0.847 | 0.074 | 0.860 | 0.088 | 0.869 | 0.064 | 0.831 | 0.335 | 0.610 | 0.287 | 0.655 | 0.223 | 0.656 | 0.263 | 0.587 |
| Construction | 0.117 | 0.056 | 0.131 | 0.059 | 0.158 | 0.067 | 0.085 | 0.052 | 1.324 | 0.427 | 1.396 | 0.446 | 1.213 | 0.421 | 1.349 | 0.432 |
| Trade and repair services | 0.838 | 0.951 | 0.855 | 0.951 | 0.880 | 0.957 | 0.643 | 0.834 | 0.970 | 0.890 | 0.991 | 0.948 | 0.989 | 0.934 | 1.050 | 0.940 |
| Tourism | 28.179 | 16.298 | 27.446 | 16.090 | 27.972 | 15.864 | 27.346 | 16.006 | 23.563 | 14.564 | 24.240 | 14.056 | 21.344 | 13.217 | 24.152 | 14.076 |
| Transport services | 5.013 | 2.325 | 5.306 | 2.395 | 5.143 | 2.417 | 5.349 | 2.450 | 4.573 | 2.936 | 4.395 | 3.017 | 4.393 | 3.120 | 4.362 | 3.215 |
| ICT services | 2.110 | 3.714 | 2.245 | 3.925 | 2.046 | 3.834 | 2.065 | 3.820 | 3.096 | 3.597 | 3.113 | 3.446 | 3.019 | 3.186 | 2.850 | 2.656 |
| Finance and insurance services | 0.264 | 1.178 | 0.279 | 1.222 | 0.280 | 1.192 | 0.271 | 1.162 | 0.371 | 1.015 | 0.366 | 0.898 | 0.352 | 0.878 | 0.364 | 0.848 |
| Property services | 0.400 | 0.616 | 0.410 | 0.619 | 0.410 | 0.615 | 0.386 | 0.600 | 0.824 | 0.583 | 0.779 | 0.527 | 0.756 | 0.510 | 0.764 | 0.499 |
| Public and welfare services | 0.579 | 0.389 | 0.620 | 0.409 | 0.605 | 0.392 | 0.573 | 0.385 | 1.060 | 0.793 | 1.000 | 0.719 | 0.948 | 0.694 | 1.091 | 0.745 |
| Services provided by private households | 10.899 | 20.235 | 9.721 | 17.503 | 8.693 | 15.016 | 11.253 | 19.970 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

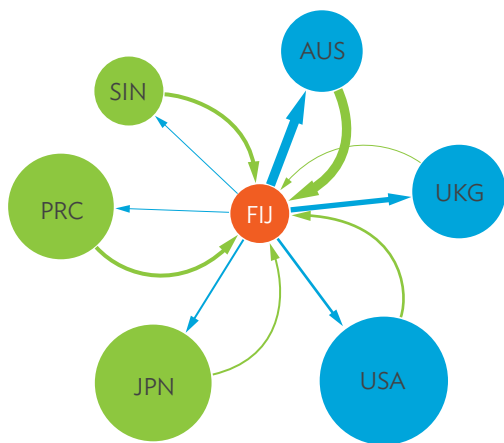
Source: Asian Development Bank Multi-Regional Input-Output Database.

3.4

GLOBAL VALUE CHAIN INDICATORS

Fiji

Figure 3.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010

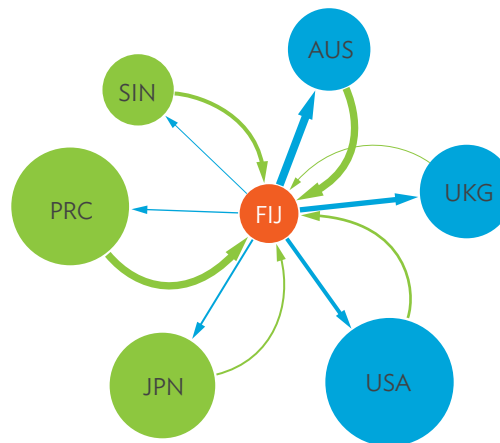


● Economy in focus ● Import partner ● Export partner

AUS = Australia, FIJ = Fiji, JPN = Japan, PRC = People's Republic of China, SIN = Singapore, UKG = United Kingdom, USA = United States.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



● Economy in focus ● Import partner ● Export partner

AUS = Australia, FIJ = Fiji, JPN = Japan, PRC = People's Republic of China, SIN = Singapore, UKG = United Kingdom, USA = United States.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 3.4.2: Trade in Value-Added by Industry, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

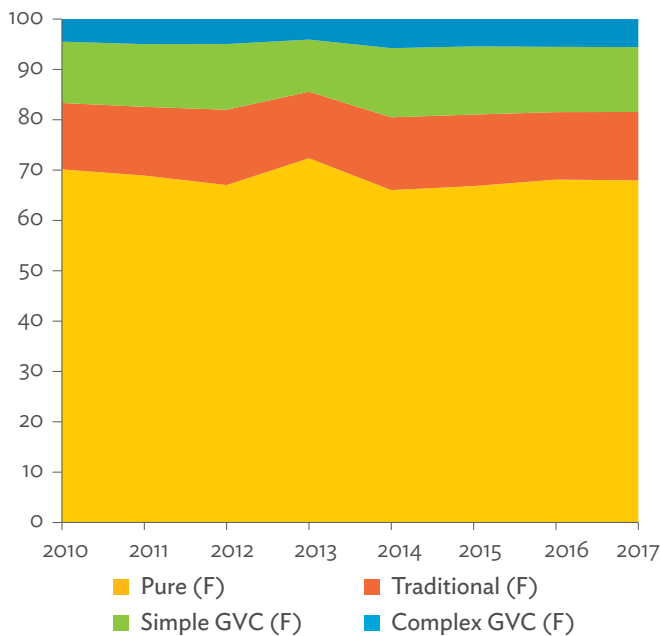
Figure 3.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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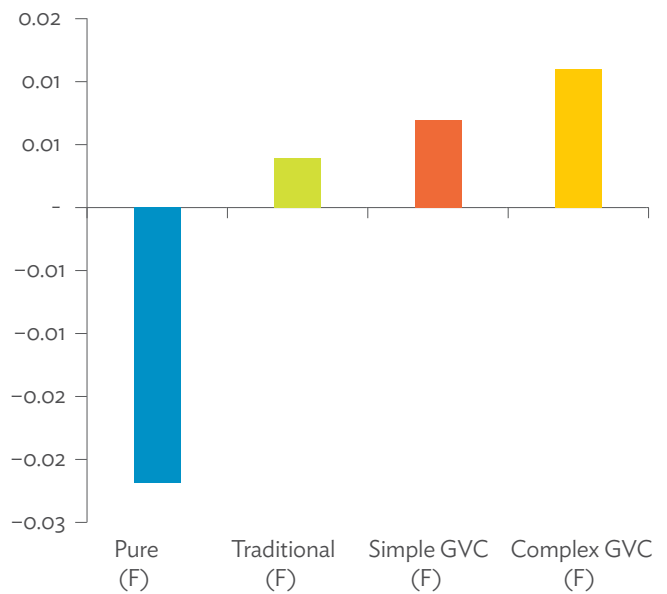
Figure 3.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

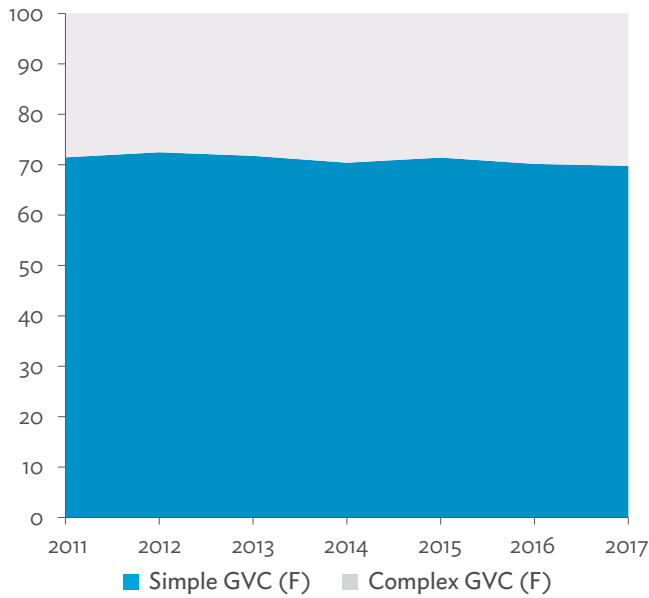
Figure 3.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

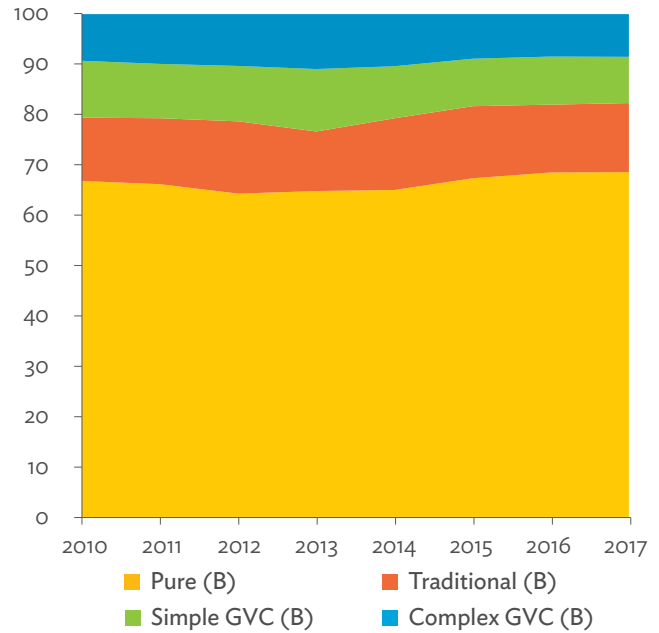
Figure 3.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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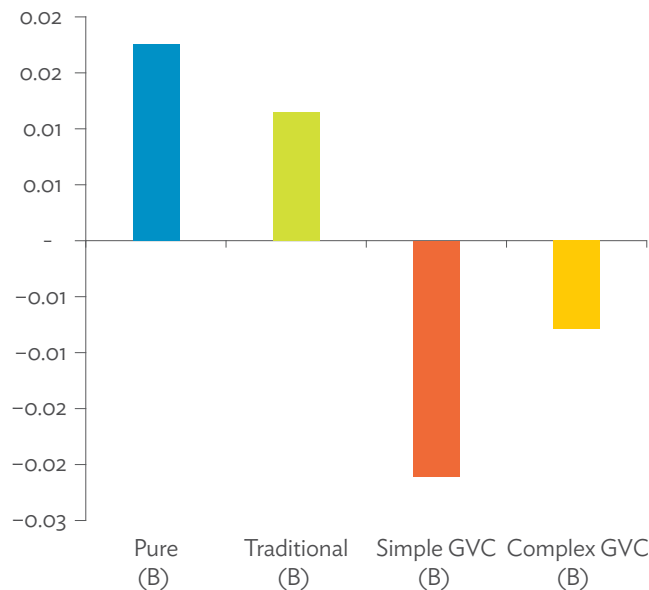
Figure 3.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

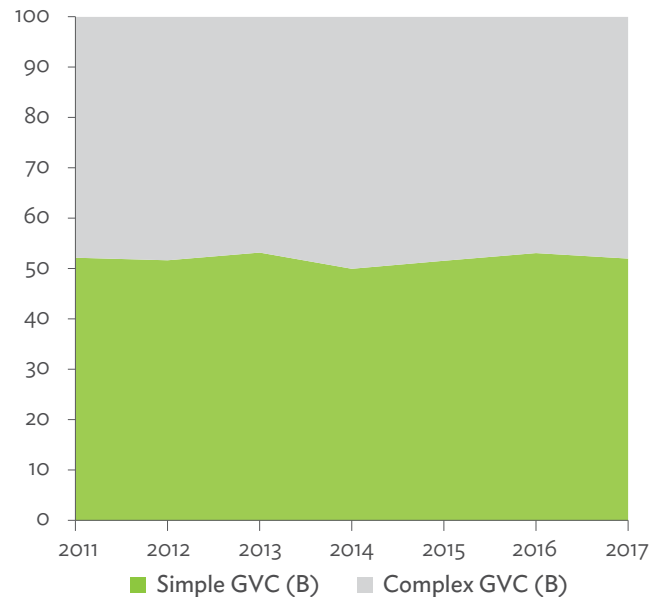
Figure 3.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

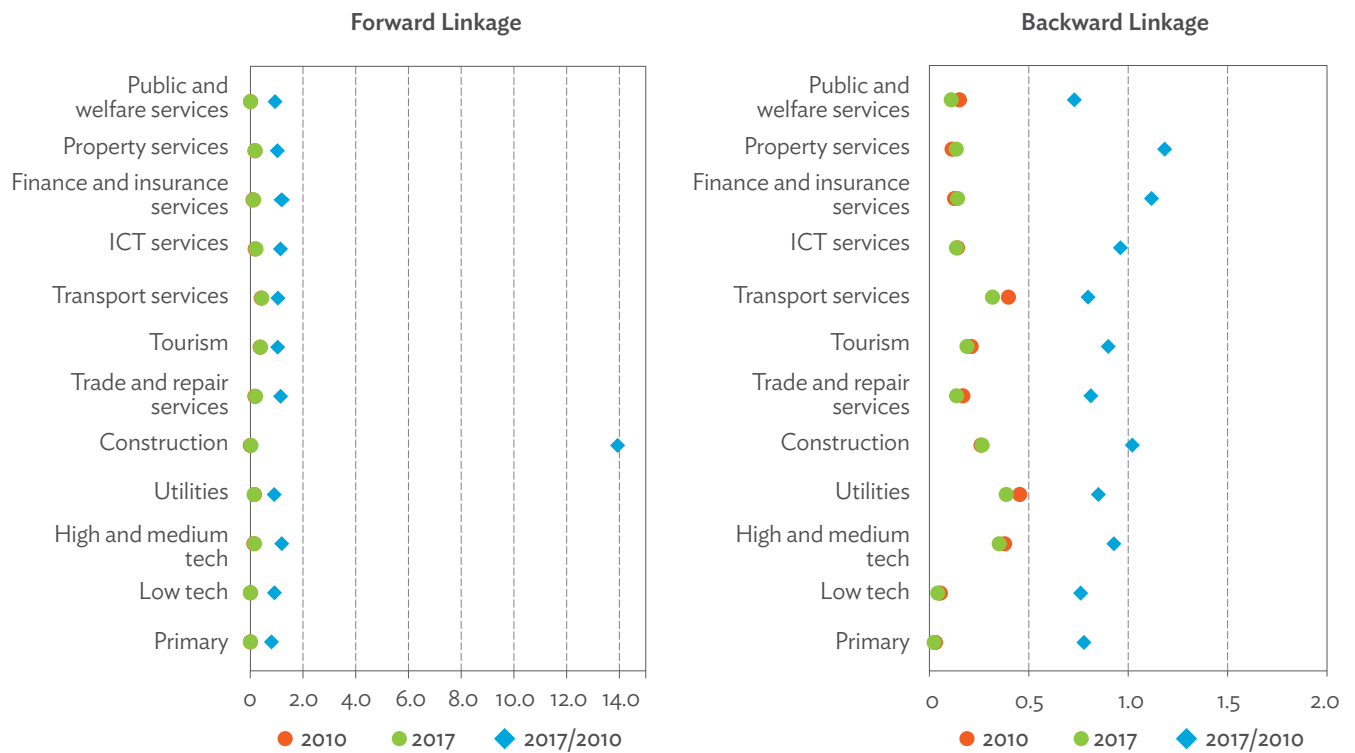
Figure 3.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

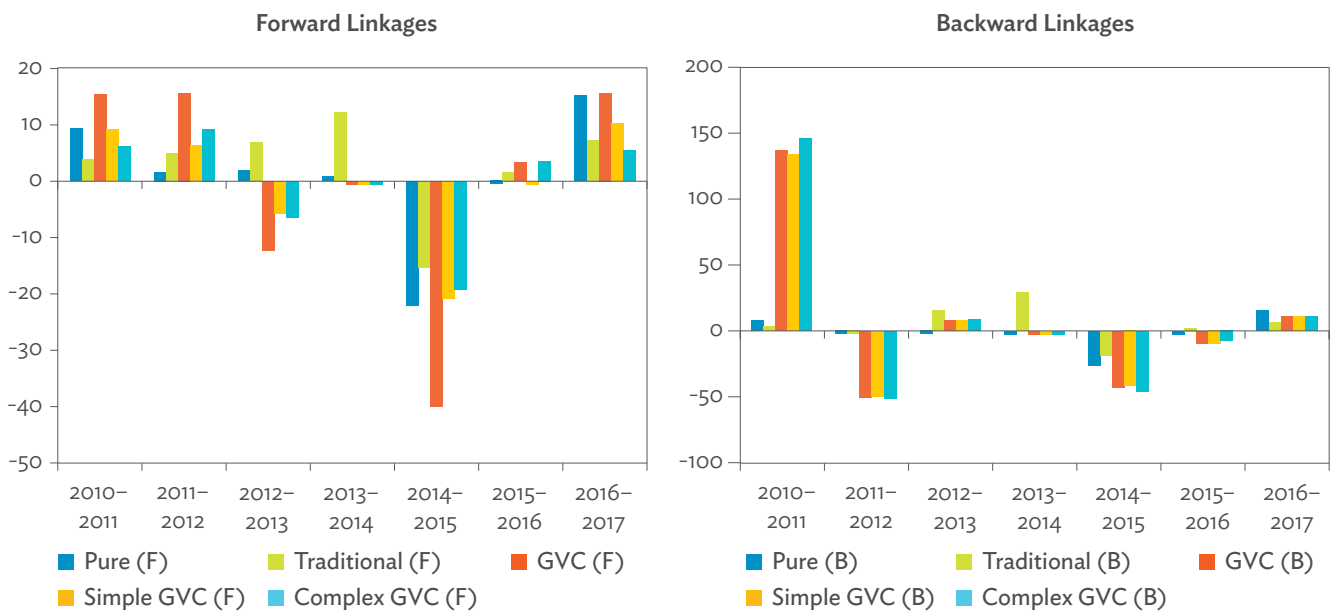
Figure 3.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 3.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

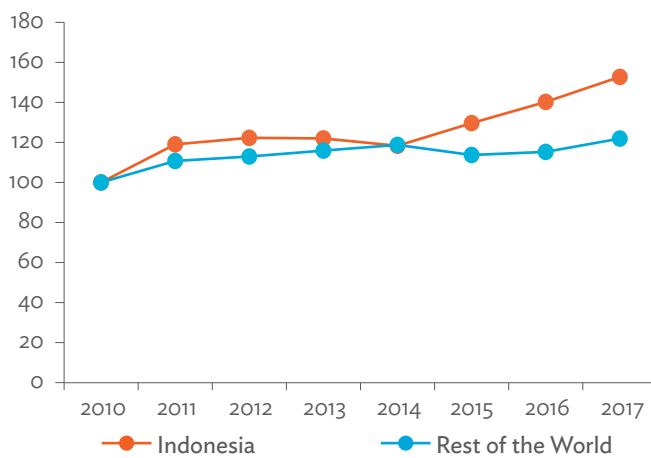
[Click here for figure data](#)

4.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Indonesia

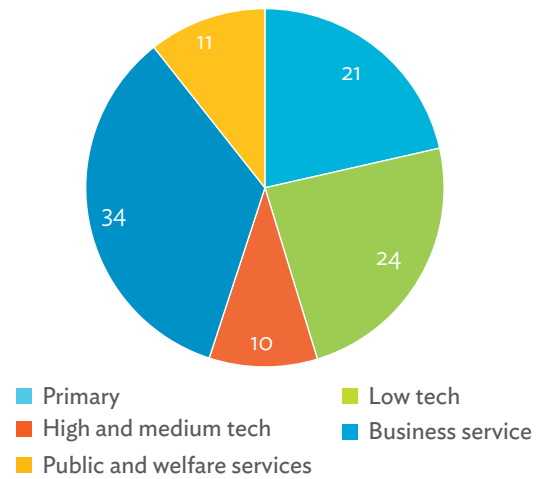
Figure 4.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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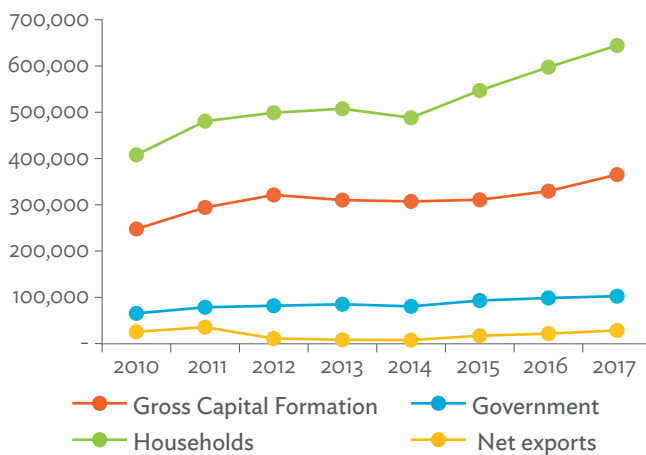
Figure 4.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 4.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)

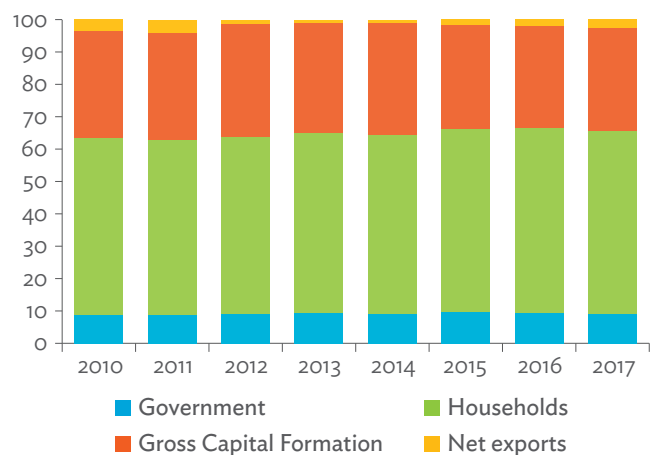


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input–Output Database.

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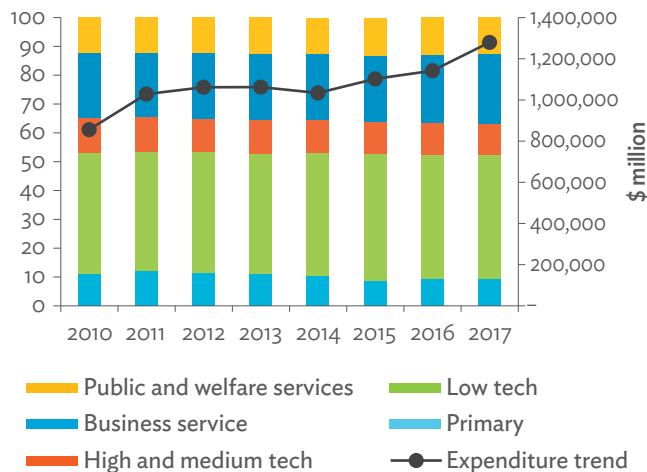
Figure 4.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

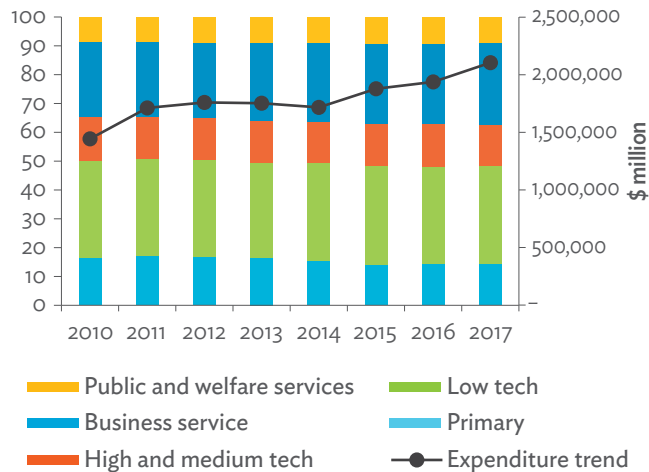
Figure 4.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

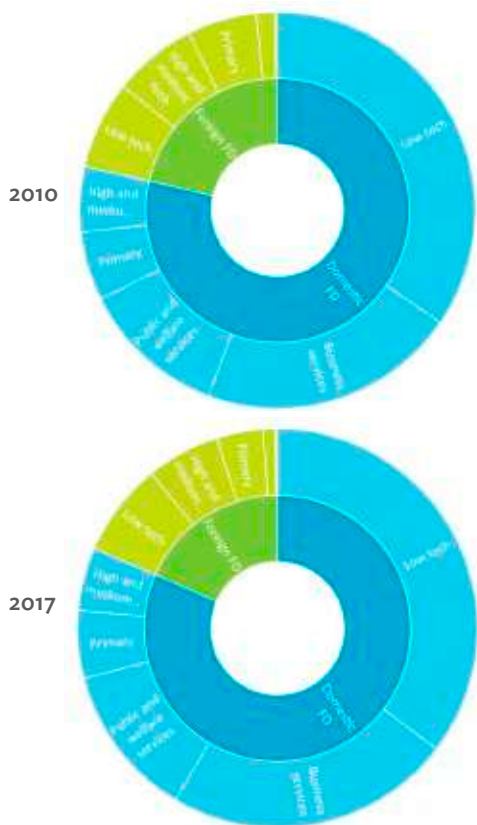
Figure 4.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

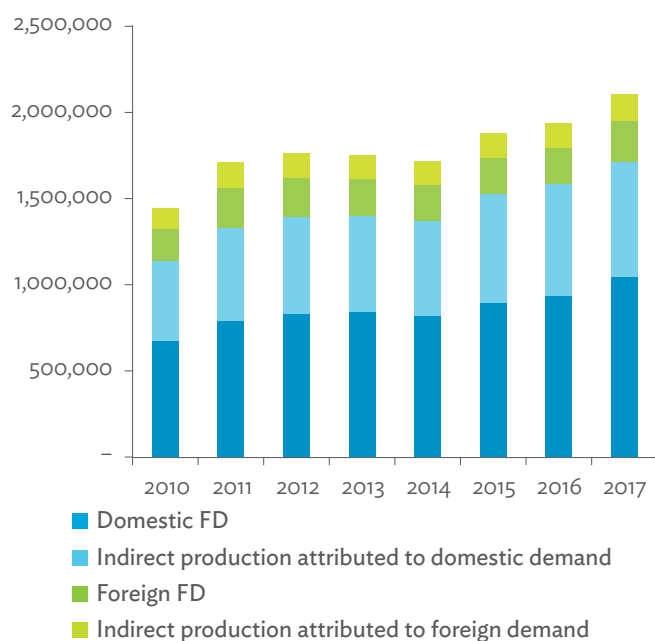
Figure 4.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

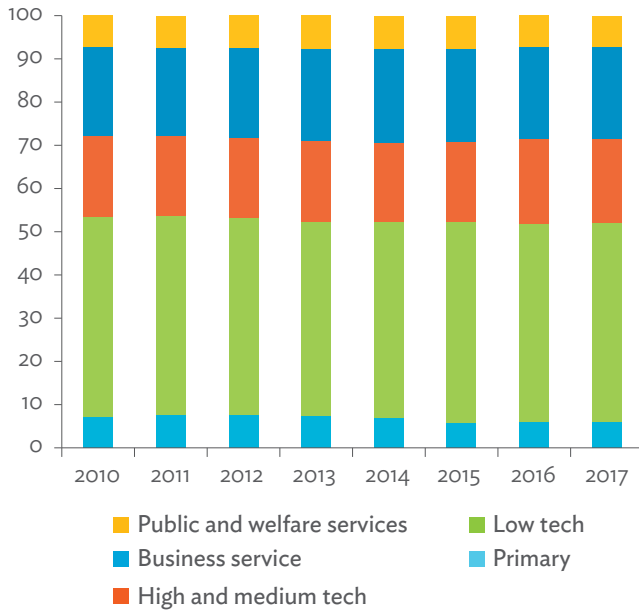
Figure 4.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

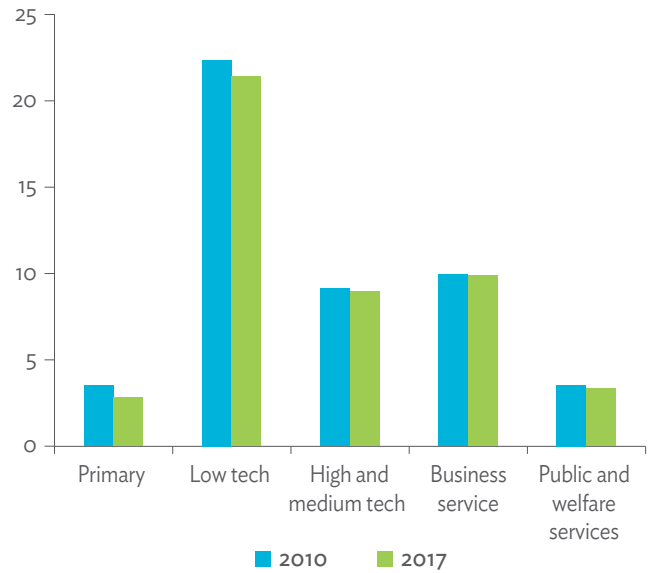
Figure 4.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

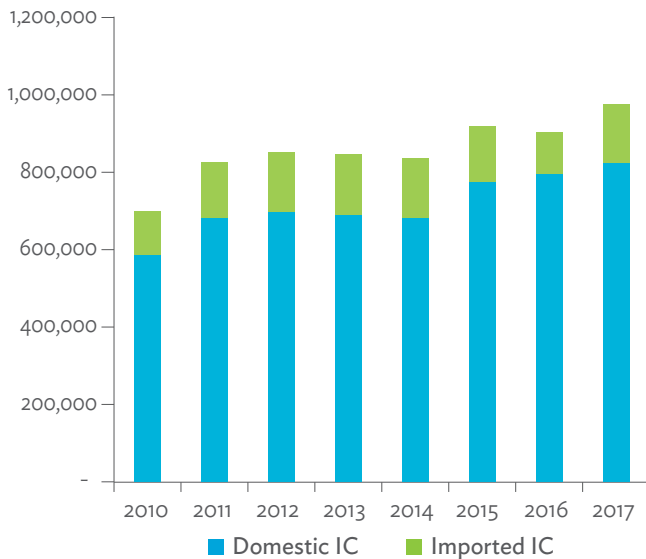
Figure 4.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

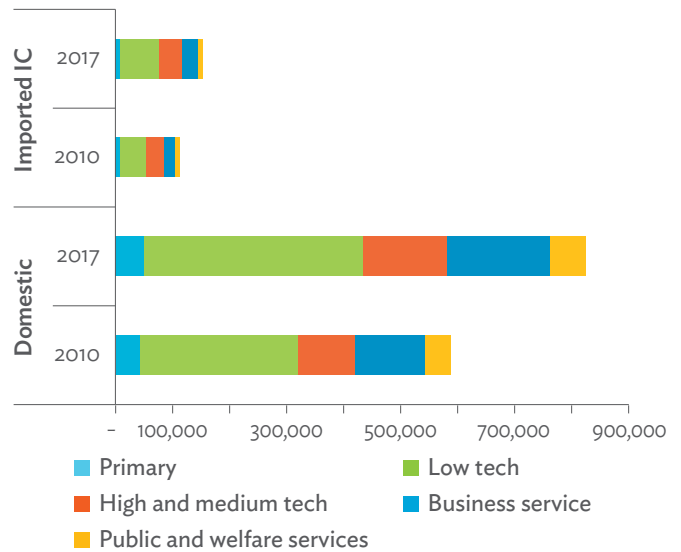


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

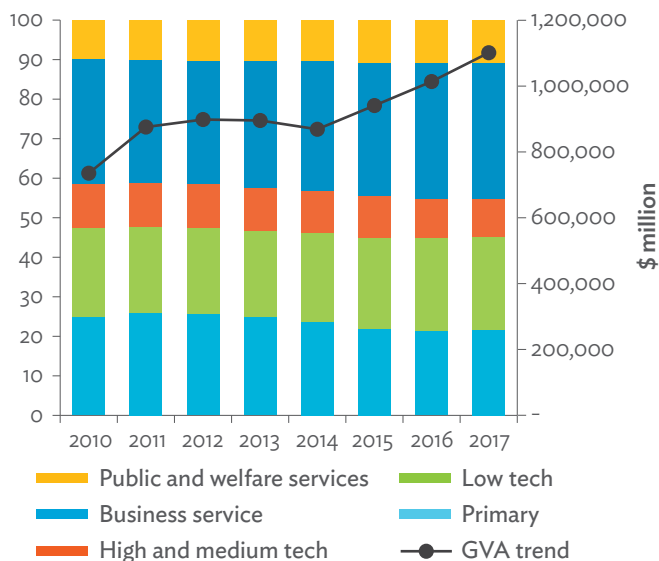


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

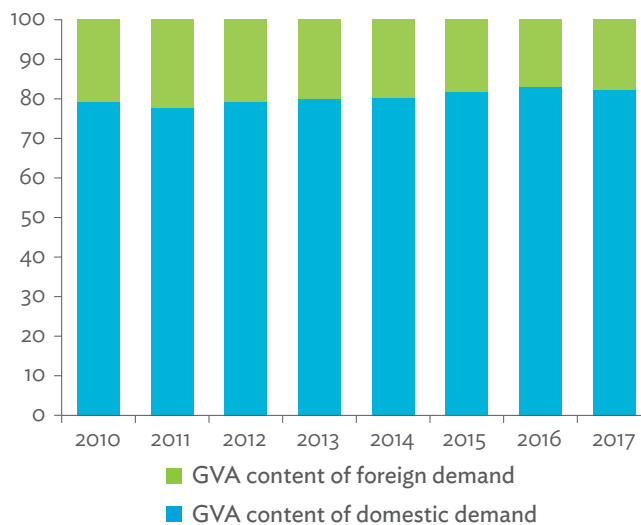
Figure 4.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

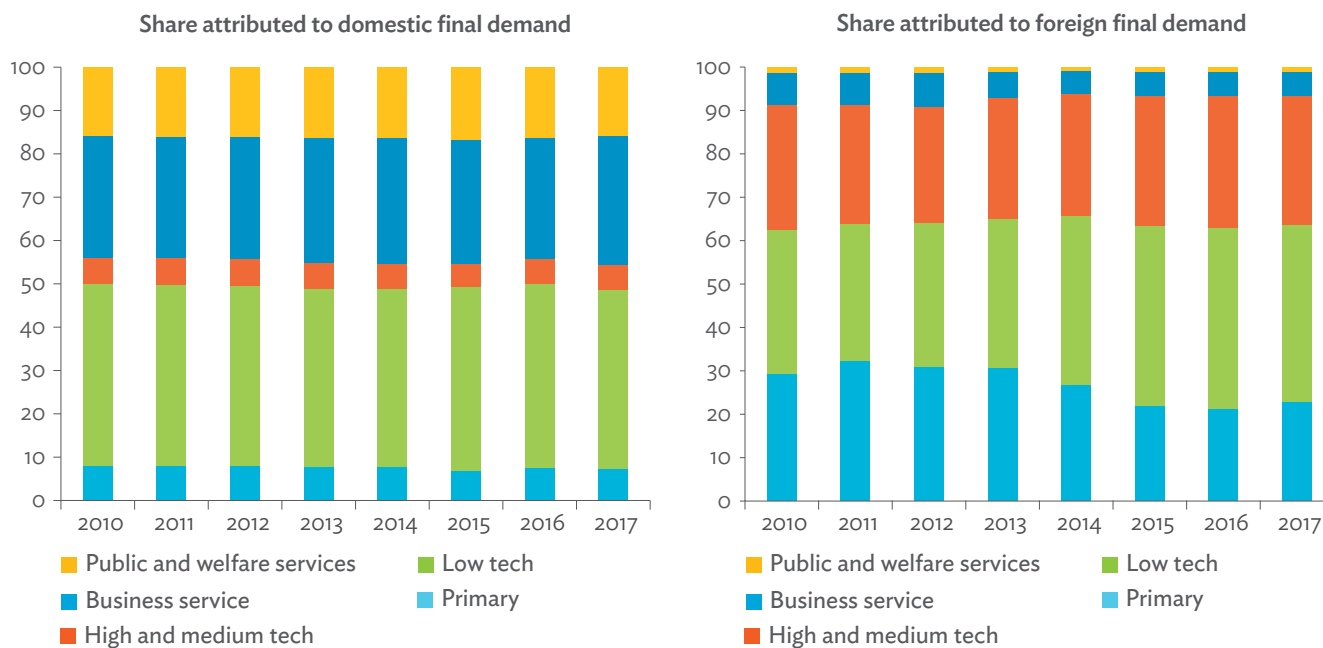
Figure 4.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 4.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 4.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.964 | 0.960 | 0.959 | 0.958 | 0.951 | 0.951 | 0.962 | 0.950 |
| Mining and quarrying | 0.926 | 0.923 | 0.925 | 0.921 | 0.921 | 0.921 | 0.916 | 0.921 |
| Food, beverages, and tobacco | 0.910 | 0.895 | 0.895 | 0.889 | 0.884 | 0.891 | 0.921 | 0.897 |
| Textiles and textile products | 0.757 | 0.721 | 0.717 | 0.708 | 0.691 | 0.722 | 0.796 | 0.721 |
| Leather, leather products, and footwear | 0.660 | 0.696 | 0.700 | 0.696 | 0.707 | 0.742 | 0.817 | 0.732 |
| Wood and products of wood and cork | 0.903 | 0.893 | 0.888 | 0.885 | 0.880 | 0.880 | 0.900 | 0.885 |
| Pulp, paper, paper products, printing, and publishing | 0.821 | 0.812 | 0.805 | 0.795 | 0.793 | 0.811 | 0.852 | 0.815 |
| Coke, refined petroleum, and nuclear fuel | 0.890 | 0.887 | 0.892 | 0.876 | 0.870 | 0.873 | 0.712 | 0.853 |
| Chemicals and chemical products | 0.785 | 0.768 | 0.768 | 0.757 | 0.744 | 0.772 | 0.824 | 0.780 |
| Rubber and plastics | 0.773 | 0.748 | 0.739 | 0.733 | 0.725 | 0.757 | 0.747 | 0.747 |
| Other nonmetallic minerals | 0.826 | 0.818 | 0.818 | 0.807 | 0.801 | 0.814 | 0.808 | 0.818 |
| Basic metals and fabricated metal | 0.775 | 0.769 | 0.763 | 0.756 | 0.749 | 0.776 | 0.787 | 0.776 |
| Machinery, nec | 0.514 | 0.500 | 0.482 | 0.484 | 0.489 | 0.544 | 0.734 | 0.566 |
| Electrical and optical equipment | 0.613 | 0.612 | 0.601 | 0.598 | 0.598 | 0.644 | 0.790 | 0.661 |
| Transport equipment | 0.824 | 0.824 | 0.805 | 0.804 | 0.812 | 0.825 | 0.879 | 0.831 |
| Manufacturing, nec; recycling | 0.813 | 0.801 | 0.791 | 0.788 | 0.783 | 0.805 | 0.843 | 0.805 |
| Electricity, gas, and water supply | 0.843 | 0.831 | 0.827 | 0.813 | 0.813 | 0.824 | 0.853 | 0.824 |
| Construction | 0.797 | 0.787 | 0.776 | 0.772 | 0.773 | 0.796 | 0.860 | 0.805 |
| Sale, maintenance, and repair | 0.902 | 0.898 | 0.895 | 0.894 | 0.898 | 0.896 | 0.925 | 0.904 |
| Wholesale trade and commission trade | 0.919 | 0.912 | 0.910 | 0.909 | 0.914 | 0.915 | 0.930 | 0.917 |
| Retail trade | 0.920 | 0.912 | 0.911 | 0.911 | 0.913 | 0.914 | 0.929 | 0.916 |
| Hotels and restaurants | 0.919 | 0.907 | 0.904 | 0.899 | 0.898 | 0.898 | 0.925 | 0.901 |
| Inland transport | 0.838 | 0.821 | 0.811 | 0.804 | 0.809 | 0.850 | 0.851 | 0.852 |
| Water transport | 0.812 | 0.792 | 0.786 | 0.785 | 0.793 | 0.812 | 0.834 | 0.812 |
| Air transport | 0.751 | 0.744 | 0.737 | 0.751 | 0.769 | 0.811 | 0.827 | 0.833 |
| Other supporting and auxiliary transport activities | 0.907 | 0.902 | 0.901 | 0.905 | 0.910 | 0.915 | 0.933 | 0.919 |
| Post and telecommunications | 0.931 | 0.928 | 0.930 | 0.933 | 0.937 | 0.933 | 0.954 | 0.942 |
| Financial intermediation | 0.949 | 0.947 | 0.948 | 0.950 | 0.949 | 0.946 | 0.964 | 0.960 |
| Real estate activities | 0.962 | 0.960 | 0.959 | 0.960 | 0.962 | 0.957 | 0.971 | 0.966 |
| Renting of M&Eq and other business activities | 0.884 | 0.878 | 0.878 | 0.881 | 0.885 | 0.892 | 0.923 | 0.904 |
| Public administration and defense; compulsory social security | 0.892 | 0.886 | 0.888 | 0.895 | 0.902 | 0.906 | 0.930 | 0.911 |
| Education | 0.900 | 0.894 | 0.892 | 0.890 | 0.890 | 0.897 | 0.927 | 0.910 |
| Health and social work | 0.871 | 0.862 | 0.860 | 0.855 | 0.856 | 0.866 | 0.904 | 0.876 |
| Other community, social, and personal services | 0.912 | 0.907 | 0.905 | 0.907 | 0.909 | 0.914 | 0.937 | 0.920 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 4.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.034 | 0.037 | 0.038 | 0.039 | 0.046 | 0.037 | 0.025 | 0.035 |
| Mining and quarrying | 0.069 | 0.072 | 0.071 | 0.073 | 0.073 | 0.064 | 0.065 | 0.060 |
| Food, beverages, and tobacco | 0.084 | 0.098 | 0.098 | 0.103 | 0.108 | 0.091 | 0.058 | 0.081 |
| Textiles and textile products | 0.222 | 0.259 | 0.262 | 0.271 | 0.287 | 0.261 | 0.183 | 0.258 |
| Leather, leather products, and footwear | 0.328 | 0.289 | 0.285 | 0.288 | 0.278 | 0.243 | 0.165 | 0.250 |
| Wood and products of wood and cork | 0.090 | 0.100 | 0.104 | 0.107 | 0.112 | 0.103 | 0.079 | 0.092 |
| Pulp, paper, paper products, printing, and publishing | 0.166 | 0.176 | 0.181 | 0.190 | 0.192 | 0.170 | 0.125 | 0.161 |
| Coke, refined petroleum, and nuclear fuel | 0.101 | 0.104 | 0.100 | 0.114 | 0.118 | 0.109 | 0.270 | 0.124 |
| Chemicals and chemical products | 0.198 | 0.215 | 0.215 | 0.224 | 0.237 | 0.211 | 0.155 | 0.198 |
| Rubber and plastics | 0.209 | 0.234 | 0.242 | 0.247 | 0.256 | 0.225 | 0.232 | 0.230 |
| Other nonmetallic minerals | 0.161 | 0.169 | 0.169 | 0.178 | 0.183 | 0.168 | 0.171 | 0.158 |
| Basic metals and fabricated metal | 0.207 | 0.214 | 0.219 | 0.225 | 0.232 | 0.206 | 0.192 | 0.201 |
| Machinery, nec | 0.450 | 0.467 | 0.483 | 0.478 | 0.475 | 0.440 | 0.243 | 0.412 |
| Electrical and optical equipment | 0.361 | 0.363 | 0.372 | 0.374 | 0.374 | 0.339 | 0.187 | 0.317 |
| Transport equipment | 0.164 | 0.166 | 0.182 | 0.181 | 0.176 | 0.159 | 0.102 | 0.148 |
| Manufacturing, nec; recycling | 0.174 | 0.186 | 0.194 | 0.196 | 0.202 | 0.178 | 0.136 | 0.172 |
| Electricity, gas, and water supply | 0.146 | 0.158 | 0.161 | 0.173 | 0.172 | 0.152 | 0.119 | 0.147 |
| Construction | 0.188 | 0.198 | 0.209 | 0.211 | 0.211 | 0.186 | 0.118 | 0.172 |
| Sale, maintenance, and repair | 0.092 | 0.096 | 0.099 | 0.099 | 0.096 | 0.090 | 0.058 | 0.079 |
| Wholesale trade and commission trade | 0.077 | 0.083 | 0.085 | 0.085 | 0.081 | 0.071 | 0.054 | 0.066 |
| Retail trade | 0.076 | 0.083 | 0.084 | 0.084 | 0.082 | 0.072 | 0.054 | 0.067 |
| Hotels and restaurants | 0.076 | 0.088 | 0.090 | 0.094 | 0.096 | 0.085 | 0.055 | 0.077 |
| Inland transport | 0.152 | 0.168 | 0.177 | 0.182 | 0.179 | 0.135 | 0.132 | 0.130 |
| Water transport | 0.176 | 0.196 | 0.202 | 0.201 | 0.194 | 0.170 | 0.144 | 0.164 |
| Air transport | 0.233 | 0.242 | 0.247 | 0.233 | 0.217 | 0.172 | 0.154 | 0.148 |
| Other supporting and auxiliary transport activities | 0.089 | 0.094 | 0.094 | 0.090 | 0.085 | 0.070 | 0.050 | 0.063 |
| Post and telecommunications | 0.066 | 0.069 | 0.067 | 0.064 | 0.060 | 0.052 | 0.030 | 0.042 |
| Financial intermediation | 0.049 | 0.051 | 0.050 | 0.048 | 0.049 | 0.041 | 0.022 | 0.025 |
| Real estate activities | 0.036 | 0.038 | 0.038 | 0.037 | 0.036 | 0.031 | 0.016 | 0.019 |
| Renting of M&Eq and other business activities | 0.110 | 0.116 | 0.116 | 0.112 | 0.108 | 0.094 | 0.061 | 0.079 |
| Public administration and defense; compulsory social security | 0.103 | 0.109 | 0.107 | 0.100 | 0.093 | 0.079 | 0.053 | 0.070 |
| Education | 0.094 | 0.100 | 0.101 | 0.103 | 0.103 | 0.089 | 0.057 | 0.073 |
| Health and social work | 0.121 | 0.130 | 0.132 | 0.136 | 0.135 | 0.117 | 0.076 | 0.103 |
| Other community, social, and personal services | 0.083 | 0.088 | 0.090 | 0.087 | 0.086 | 0.071 | 0.045 | 0.061 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 4.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.249 | 1.241 | 1.238 | 1.236 | 1.235 | 1.228 | 1.234 | 1.215 |
| Mining and quarrying | 1.331 | 1.322 | 1.320 | 1.317 | 1.323 | 1.337 | 1.313 | 1.321 |
| Food, beverages, and tobacco | 1.924 | 1.901 | 1.902 | 1.884 | 1.884 | 1.896 | 1.840 | 1.803 |
| Textiles and textile products | 1.645 | 1.598 | 1.591 | 1.568 | 1.539 | 1.615 | 1.756 | 1.598 |
| Leather, leather products, and footwear | 1.603 | 1.531 | 1.528 | 1.509 | 1.515 | 1.587 | 1.714 | 1.563 |
| Wood and products of wood and cork | 1.800 | 1.779 | 1.769 | 1.764 | 1.764 | 1.829 | 1.777 | 1.754 |
| Pulp, paper, paper products, printing, and publishing | 1.979 | 1.962 | 1.929 | 1.893 | 1.900 | 1.961 | 1.989 | 1.916 |
| Coke, refined petroleum, and nuclear fuel | 1.642 | 1.634 | 1.636 | 1.613 | 1.610 | 1.674 | 1.558 | 1.773 |
| Chemicals and chemical products | 1.801 | 1.760 | 1.758 | 1.737 | 1.726 | 1.800 | 1.838 | 1.754 |
| Rubber and plastics | 1.898 | 1.845 | 1.833 | 1.811 | 1.798 | 1.863 | 1.889 | 1.887 |
| Other nonmetallic minerals | 1.838 | 1.817 | 1.805 | 1.787 | 1.790 | 1.876 | 1.814 | 1.834 |
| Basic metals and fabricated metal | 1.781 | 1.762 | 1.745 | 1.733 | 1.735 | 1.808 | 1.805 | 1.789 |
| Machinery, nec | 1.610 | 1.559 | 1.526 | 1.523 | 1.551 | 1.690 | 1.997 | 1.652 |
| Electrical and optical equipment | 1.724 | 1.718 | 1.697 | 1.695 | 1.695 | 1.807 | 2.029 | 1.760 |
| Transport equipment | 1.645 | 1.642 | 1.606 | 1.604 | 1.616 | 1.681 | 1.729 | 1.638 |
| Manufacturing, nec; recycling | 1.834 | 1.805 | 1.785 | 1.775 | 1.770 | 1.820 | 1.867 | 1.794 |
| Electricity, gas, and water supply | 2.462 | 2.457 | 2.412 | 2.368 | 2.407 | 2.475 | 2.519 | 2.448 |
| Construction | 1.866 | 1.839 | 1.816 | 1.812 | 1.814 | 1.876 | 1.916 | 1.814 |
| Sale, maintenance, and repair | 1.424 | 1.415 | 1.407 | 1.404 | 1.411 | 1.465 | 1.451 | 1.410 |
| Wholesale trade and commission trade | 1.455 | 1.441 | 1.434 | 1.431 | 1.442 | 1.463 | 1.459 | 1.434 |
| Retail trade | 1.456 | 1.442 | 1.435 | 1.433 | 1.441 | 1.465 | 1.457 | 1.432 |
| Hotels and restaurants | 1.827 | 1.805 | 1.802 | 1.784 | 1.787 | 1.830 | 1.802 | 1.762 |
| Inland transport | 1.642 | 1.610 | 1.589 | 1.576 | 1.586 | 1.548 | 1.540 | 1.533 |
| Water transport | 1.893 | 1.855 | 1.840 | 1.839 | 1.859 | 1.913 | 1.940 | 1.891 |
| Air transport | 1.768 | 1.754 | 1.740 | 1.766 | 1.806 | 1.786 | 1.680 | 1.681 |
| Other supporting and auxiliary transport activities | 1.654 | 1.641 | 1.639 | 1.650 | 1.669 | 1.644 | 1.642 | 1.614 |
| Post and telecommunications | 1.475 | 1.469 | 1.471 | 1.477 | 1.488 | 1.501 | 1.440 | 1.419 |
| Financial intermediation | 1.399 | 1.394 | 1.393 | 1.394 | 1.399 | 1.393 | 1.259 | 1.252 |
| Real estate activities | 1.274 | 1.269 | 1.265 | 1.269 | 1.274 | 1.274 | 1.185 | 1.177 |
| Renting of M&Eq and other business activities | 1.570 | 1.556 | 1.551 | 1.556 | 1.568 | 1.585 | 1.534 | 1.500 |
| Public administration and defense; compulsory social security | 1.536 | 1.524 | 1.524 | 1.535 | 1.556 | 1.567 | 1.539 | 1.504 |
| Education | 1.518 | 1.505 | 1.495 | 1.487 | 1.489 | 1.507 | 1.451 | 1.419 |
| Health and social work | 1.821 | 1.803 | 1.800 | 1.785 | 1.793 | 1.819 | 1.785 | 1.733 |
| Other community, social, and personal services | 1.731 | 1.722 | 1.716 | 1.722 | 1.734 | 1.712 | 1.663 | 1.632 |
| Private households with employed persons | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

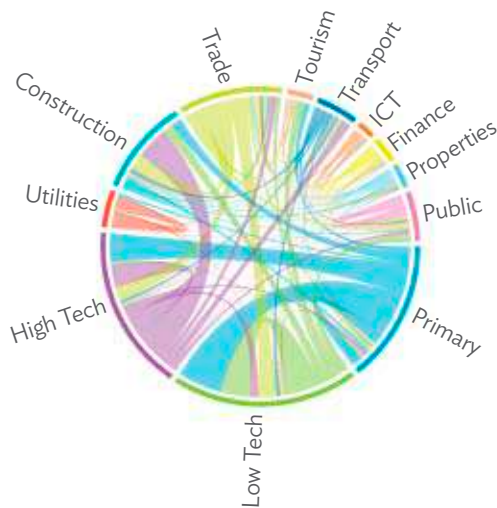
Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

4.2

Indonesia

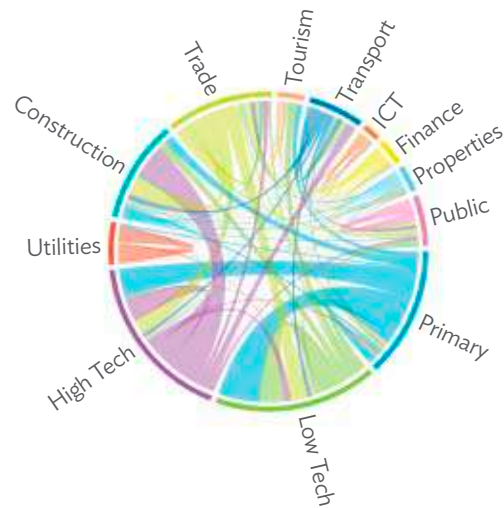
Figure 4.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

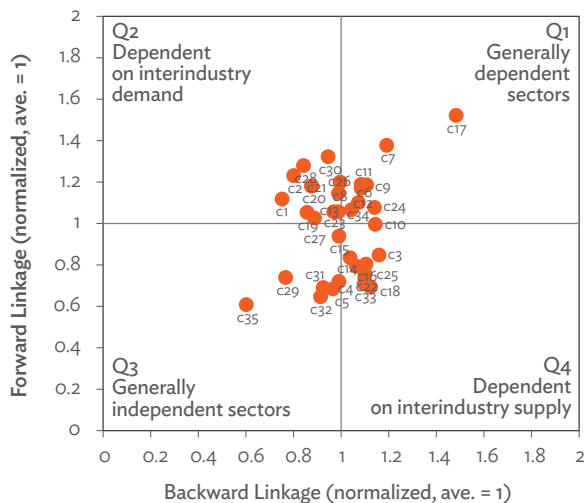
Figure 4.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

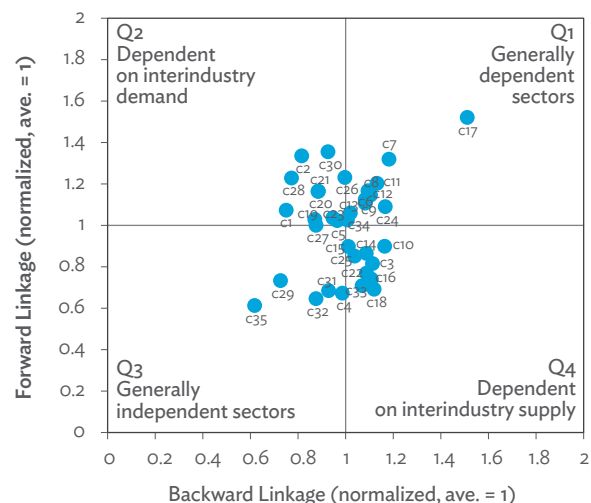
Figure 4.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.2.2b: Backward and Forward Linkages by Industry, 2017

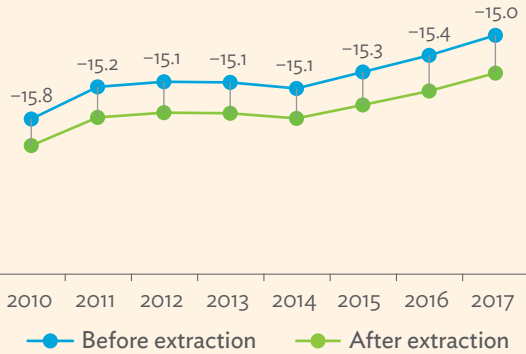


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Box 4: Hypothetical Extraction of Agriculture, Hunting, Forestry, and Fishing Industry in Indonesia

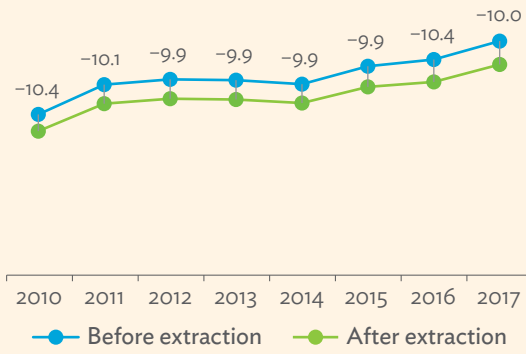
Figure 4.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

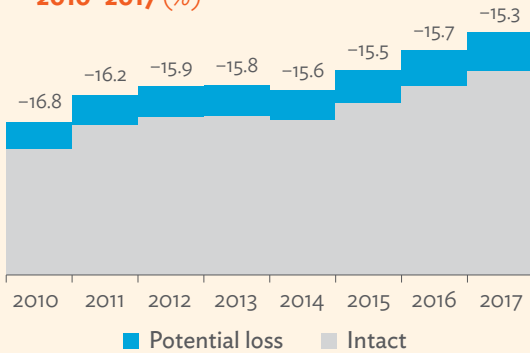
Figure 4.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

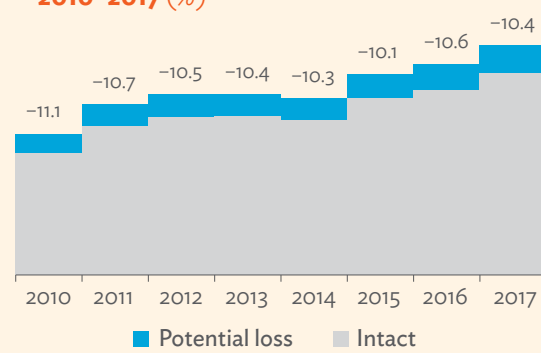
Figure 4.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

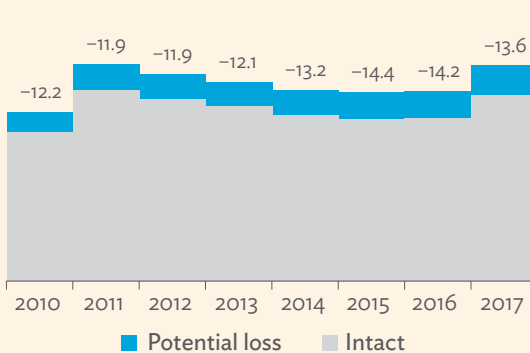
Figure 4.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

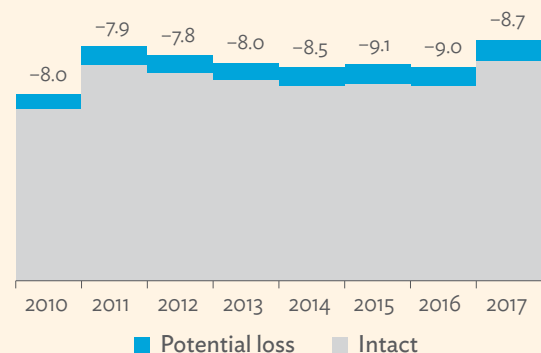
Figure 4.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)




Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 4.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.753 | 0.757 | 0.760 | 0.762 | 0.759 | 0.737 | 0.740 | 0.750 |
| Mining and quarrying | 0.802 | 0.806 | 0.811 | 0.812 | 0.812 | 0.803 | 0.787 | 0.815 |
| Food, beverages, and tobacco | 1.160 | 1.160 | 1.168 | 1.162 | 1.158 | 1.138 | 1.102 | 1.113 |
| Textiles and textile products | 0.992 | 0.975 | 0.977 | 0.967 | 0.945 | 0.969 | 1.052 | 0.986 |
| Leather, leather products, and footwear | 0.966 | 0.934 | 0.939 | 0.931 | 0.931 | 0.953 | 1.027 | 0.965 |
| Wood and products of wood and cork | 1.085 | 1.085 | 1.086 | 1.088 | 1.084 | 1.098 | 1.065 | 1.083 |
| Pulp, paper, paper products, printing, and publishing | 1.193 | 1.197 | 1.185 | 1.168 | 1.167 | 1.177 | 1.192 | 1.183 |
| Coke, refined petroleum, and nuclear fuel | 0.990 | 0.997 | 1.005 | 0.995 | 0.989 | 1.005 | 0.934 | 1.094 |
| Chemicals and chemical products | 1.085 | 1.073 | 1.079 | 1.071 | 1.060 | 1.081 | 1.101 | 1.083 |
| Rubber and plastics | 1.144 | 1.125 | 1.126 | 1.117 | 1.104 | 1.118 | 1.132 | 1.165 |
| Other nonmetallic minerals | 1.108 | 1.108 | 1.109 | 1.103 | 1.100 | 1.126 | 1.087 | 1.132 |
| Basic metals and fabricated metal | 1.073 | 1.075 | 1.072 | 1.069 | 1.066 | 1.085 | 1.081 | 1.104 |
| Machinery, nec | 0.970 | 0.951 | 0.937 | 0.940 | 0.953 | 1.015 | 1.197 | 1.019 |
| Electrical and optical equipment | 1.039 | 1.048 | 1.042 | 1.046 | 1.041 | 1.085 | 1.216 | 1.086 |
| Transport equipment | 0.992 | 1.002 | 0.986 | 0.989 | 0.993 | 1.010 | 1.036 | 1.011 |
| Manufacturing, nec; recycling | 1.105 | 1.101 | 1.096 | 1.095 | 1.087 | 1.093 | 1.119 | 1.108 |
| Electricity, gas, and water supply | 1.484 | 1.499 | 1.481 | 1.461 | 1.479 | 1.486 | 1.509 | 1.511 |
| Construction | 1.125 | 1.122 | 1.115 | 1.118 | 1.114 | 1.126 | 1.148 | 1.120 |
| Sale, maintenance, and repair | 0.858 | 0.863 | 0.864 | 0.866 | 0.867 | 0.880 | 0.869 | 0.870 |
| Wholesale trade and commission trade | 0.877 | 0.879 | 0.881 | 0.883 | 0.886 | 0.879 | 0.874 | 0.885 |
| Retail trade | 0.877 | 0.879 | 0.881 | 0.884 | 0.885 | 0.879 | 0.873 | 0.884 |
| Hotels and restaurants | 1.101 | 1.101 | 1.107 | 1.100 | 1.098 | 1.099 | 1.080 | 1.088 |
| Inland transport | 0.990 | 0.982 | 0.976 | 0.973 | 0.974 | 0.929 | 0.923 | 0.946 |
| Water transport | 1.141 | 1.132 | 1.130 | 1.134 | 1.142 | 1.149 | 1.163 | 1.167 |
| Air transport | 1.065 | 1.070 | 1.068 | 1.090 | 1.110 | 1.072 | 1.007 | 1.038 |
| Other supporting and auxiliary transport activities | 0.997 | 1.001 | 1.006 | 1.018 | 1.025 | 0.987 | 0.984 | 0.996 |
| Post and telecommunications | 0.889 | 0.896 | 0.903 | 0.911 | 0.914 | 0.901 | 0.863 | 0.876 |
| Financial intermediation | 0.843 | 0.850 | 0.855 | 0.860 | 0.859 | 0.836 | 0.755 | 0.773 |
| Real estate activities | 0.768 | 0.774 | 0.777 | 0.783 | 0.782 | 0.765 | 0.710 | 0.726 |
| Renting of M&Eq and other business activities | 0.946 | 0.949 | 0.953 | 0.960 | 0.964 | 0.952 | 0.919 | 0.926 |
| Public administration and defense; compulsory social security | 0.926 | 0.930 | 0.936 | 0.947 | 0.956 | 0.941 | 0.922 | 0.928 |
| Education | 0.915 | 0.918 | 0.918 | 0.917 | 0.915 | 0.905 | 0.870 | 0.876 |
| Health and social work | 1.098 | 1.100 | 1.105 | 1.101 | 1.102 | 1.092 | 1.070 | 1.069 |
| Other community, social, and personal services | 1.043 | 1.050 | 1.054 | 1.062 | 1.065 | 1.028 | 0.997 | 1.007 |
| Private households with employed persons | 0.603 | 0.610 | 0.614 | 0.617 | 0.614 | 0.600 | 0.599 | 0.617 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 4.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.121 | 1.117 | 1.117 | 1.110 | 1.105 | 1.107 | 1.081 | 1.076 |
| Mining and quarrying | 1.237 | 1.214 | 1.265 | 1.259 | 1.276 | 1.298 | 1.308 | 1.345 |
| Food, beverages, and tobacco | 0.843 | 0.842 | 0.847 | 0.837 | 0.834 | 0.818 | 0.814 | 0.810 |
| Textiles and textile products | 0.713 | 0.685 | 0.675 | 0.671 | 0.648 | 0.690 | 0.753 | 0.663 |
| Leather, leather products, and footwear | 0.675 | 0.738 | 0.752 | 0.720 | 0.686 | 0.669 | 0.801 | 1.024 |
| Wood and products of wood and cork | 1.193 | 1.188 | 1.163 | 1.155 | 1.121 | 1.123 | 1.111 | 1.129 |
| Pulp, paper, paper products, printing, and publishing | 1.388 | 1.419 | 1.386 | 1.339 | 1.340 | 1.335 | 1.347 | 1.329 |
| Coke, refined petroleum, and nuclear fuel | 1.150 | 1.159 | 1.171 | 1.153 | 1.190 | 1.189 | 1.192 | 1.172 |
| Chemicals and chemical products | 1.175 | 1.116 | 1.145 | 1.132 | 1.102 | 1.138 | 1.156 | 1.110 |
| Rubber and plastics | 0.995 | 0.970 | 0.950 | 0.922 | 0.899 | 0.921 | 0.932 | 0.896 |
| Other nonmetallic minerals | 1.192 | 1.203 | 1.201 | 1.210 | 1.208 | 1.203 | 1.182 | 1.209 |
| Basic metals and fabricated metal | 1.104 | 1.086 | 1.135 | 1.167 | 1.135 | 1.137 | 1.125 | 1.150 |
| Machinery, nec | 1.058 | 1.010 | 1.015 | 1.011 | 1.042 | 1.117 | 1.088 | 1.062 |
| Electrical and optical equipment | 0.830 | 0.845 | 0.837 | 0.862 | 0.852 | 0.877 | 0.892 | 0.861 |
| Transport equipment | 0.937 | 0.948 | 0.921 | 0.921 | 0.910 | 0.916 | 0.906 | 0.895 |
| Manufacturing, nec; recycling | 0.798 | 0.813 | 0.799 | 0.801 | 0.729 | 0.740 | 0.734 | 0.733 |
| Electricity, gas, and water supply | 1.535 | 1.553 | 1.516 | 1.481 | 1.517 | 1.540 | 1.552 | 1.537 |
| Construction | 0.686 | 0.689 | 0.683 | 0.694 | 0.692 | 0.692 | 0.664 | 0.683 |
| Sale, maintenance, and repair | 1.055 | 1.056 | 1.048 | 1.051 | 1.059 | 1.050 | 1.044 | 1.030 |
| Wholesale trade and commission trade | 1.185 | 1.186 | 1.176 | 1.178 | 1.183 | 1.190 | 1.176 | 1.170 |
| Retail trade | 1.186 | 1.186 | 1.176 | 1.180 | 1.182 | 1.189 | 1.175 | 1.169 |
| Hotels and restaurants | 0.750 | 0.755 | 0.760 | 0.770 | 0.782 | 0.766 | 0.767 | 0.762 |
| Inland transport | 1.058 | 1.061 | 1.052 | 1.053 | 1.059 | 1.055 | 1.051 | 1.038 |
| Water transport | 1.080 | 1.076 | 1.076 | 1.087 | 1.102 | 1.096 | 1.094 | 1.093 |
| Air transport | 0.788 | 0.796 | 0.823 | 0.847 | 0.873 | 0.853 | 0.852 | 0.847 |
| Other supporting and auxiliary transport activities | 1.205 | 1.198 | 1.210 | 1.237 | 1.270 | 1.253 | 1.248 | 1.239 |
| Post and telecommunications | 1.027 | 1.027 | 1.031 | 1.035 | 1.046 | 1.028 | 1.017 | 1.000 |
| Financial intermediation | 1.287 | 1.293 | 1.288 | 1.283 | 1.288 | 1.265 | 1.252 | 1.236 |
| Real estate activities | 0.732 | 0.738 | 0.737 | 0.739 | 0.742 | 0.726 | 0.729 | 0.726 |
| Renting of M&Eq and other business activities | 1.331 | 1.318 | 1.313 | 1.360 | 1.383 | 1.384 | 1.347 | 1.366 |
| Public administration and defense; compulsory social security | 0.683 | 0.692 | 0.696 | 0.688 | 0.690 | 0.665 | 0.665 | 0.676 |
| Education | 0.636 | 0.645 | 0.650 | 0.650 | 0.648 | 0.627 | 0.625 | 0.636 |
| Health and social work | 0.701 | 0.711 | 0.715 | 0.714 | 0.717 | 0.696 | 0.694 | 0.700 |
| Other community, social, and personal services | 1.067 | 1.064 | 1.060 | 1.077 | 1.084 | 1.059 | 1.038 | 1.027 |
| Private households with employed persons | 0.597 | 0.605 | 0.608 | 0.609 | 0.604 | 0.585 | 0.586 | 0.601 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

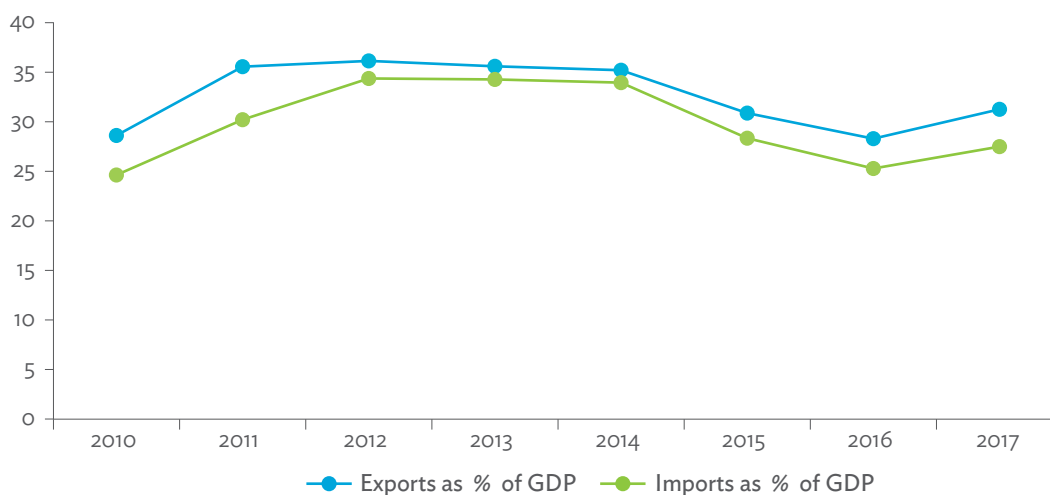
Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

4.3

Indonesia

Figure 4.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)

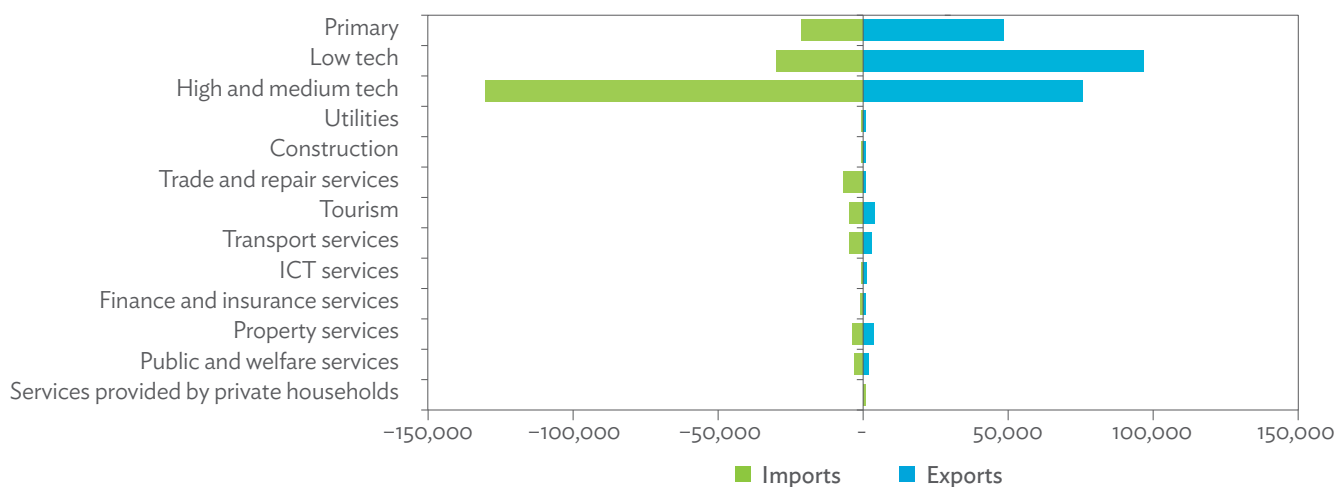


GDP = gross domestic product.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.3.2: Total Foreign Trade by Sector, 2017 (\$ million)

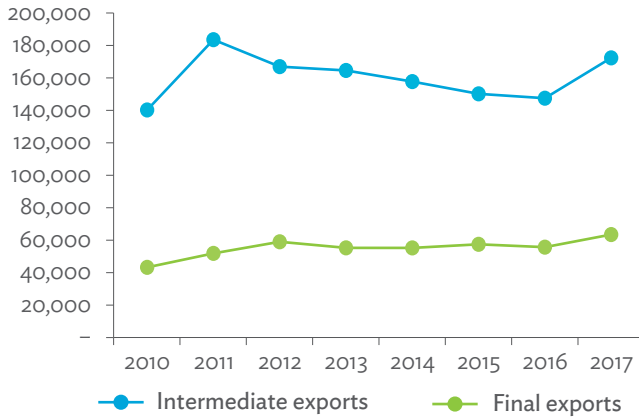


\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

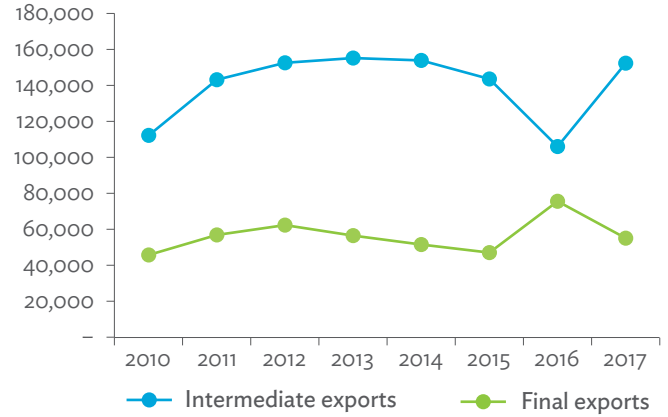
[Click here for figure data](#)

Figure 4.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)



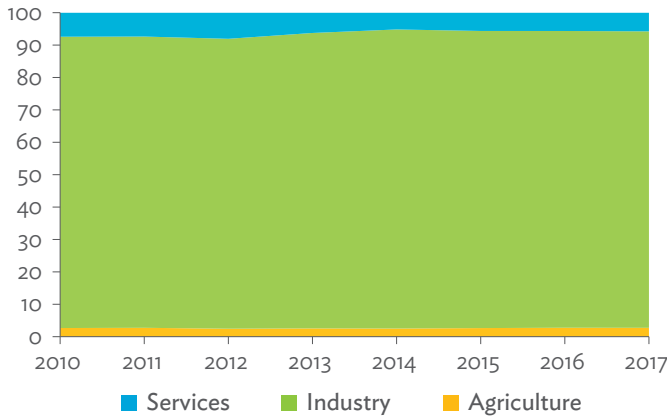
\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 4.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)



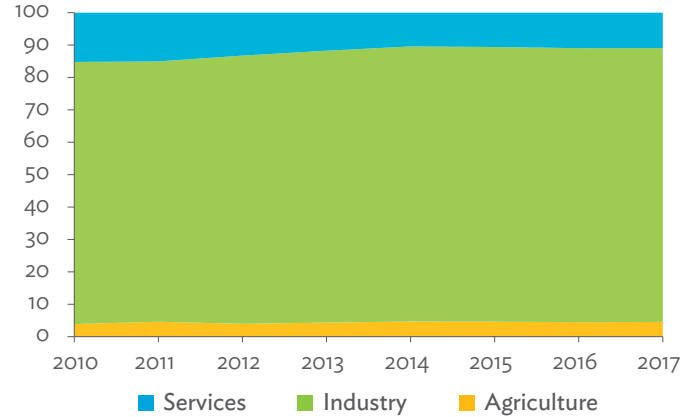
\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 4.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



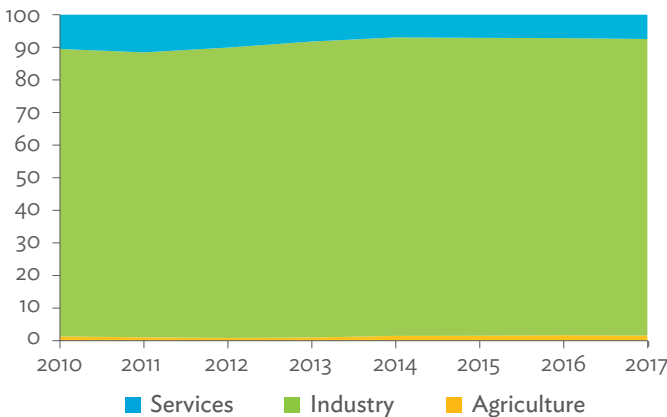
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 4.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



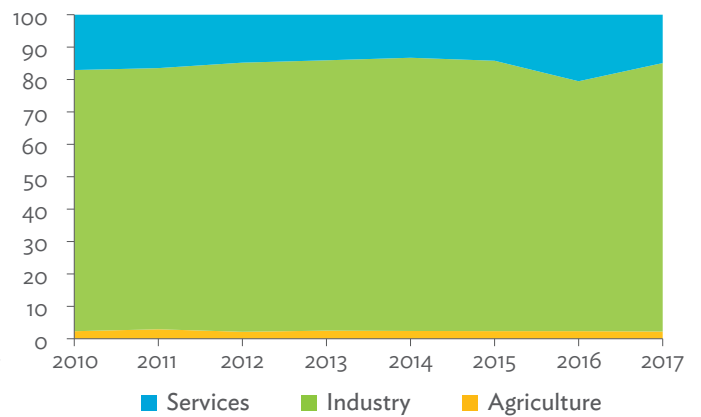
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 4.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



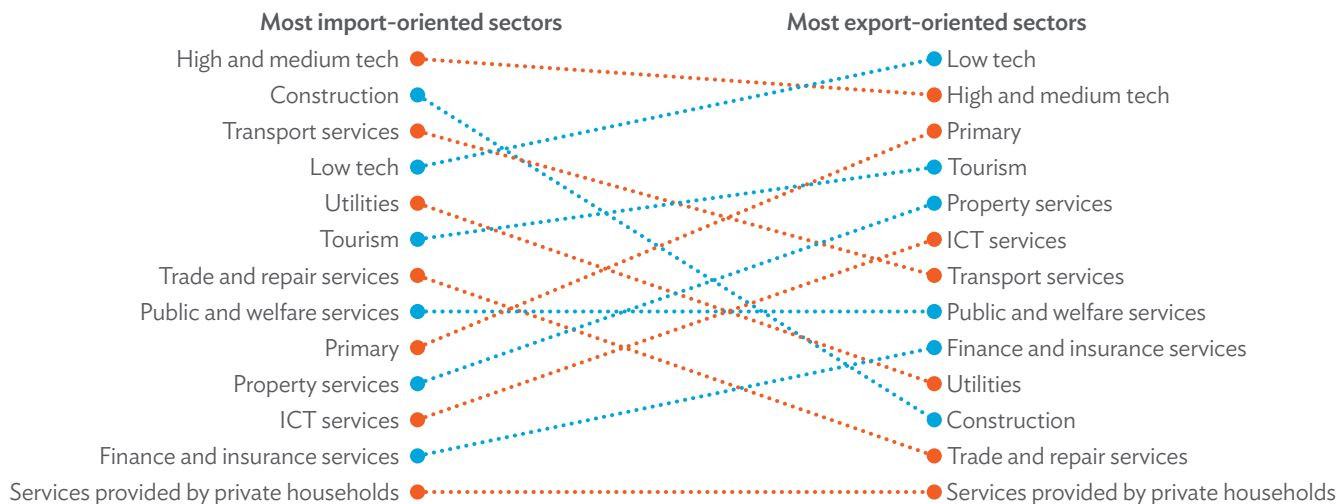
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 4.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

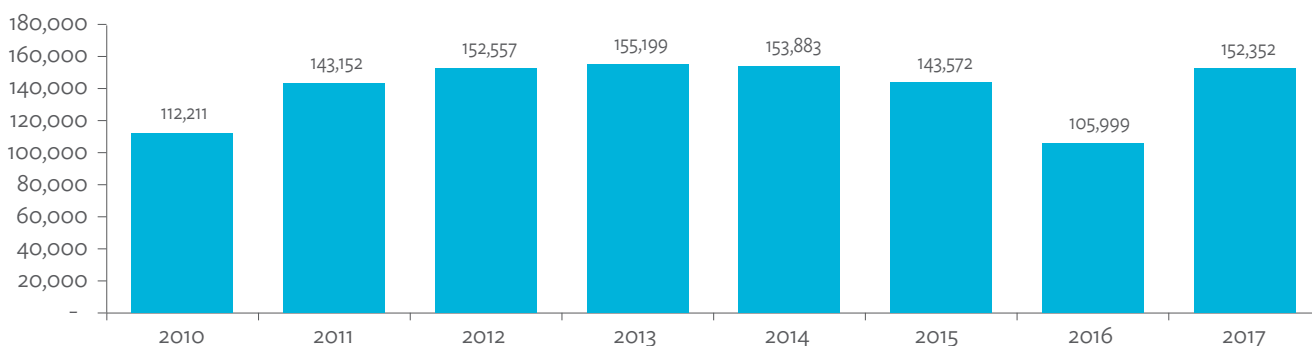
Figure 4.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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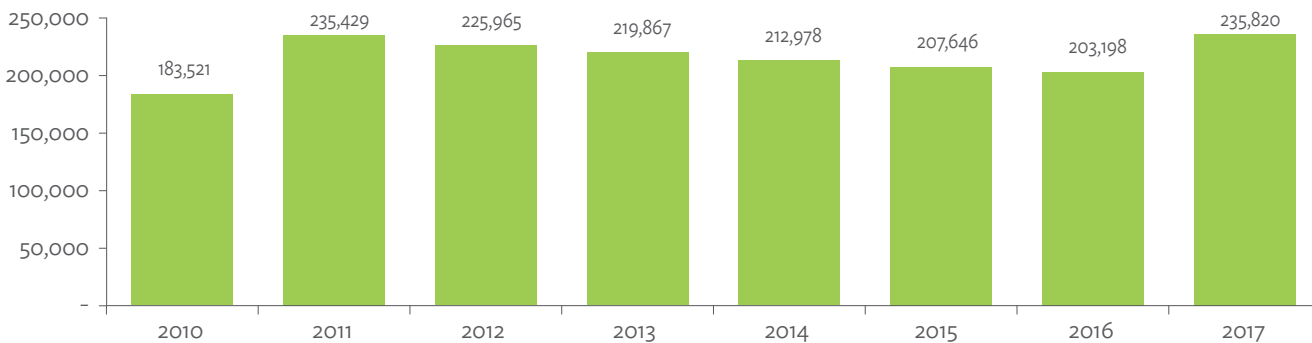
Figure 4.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

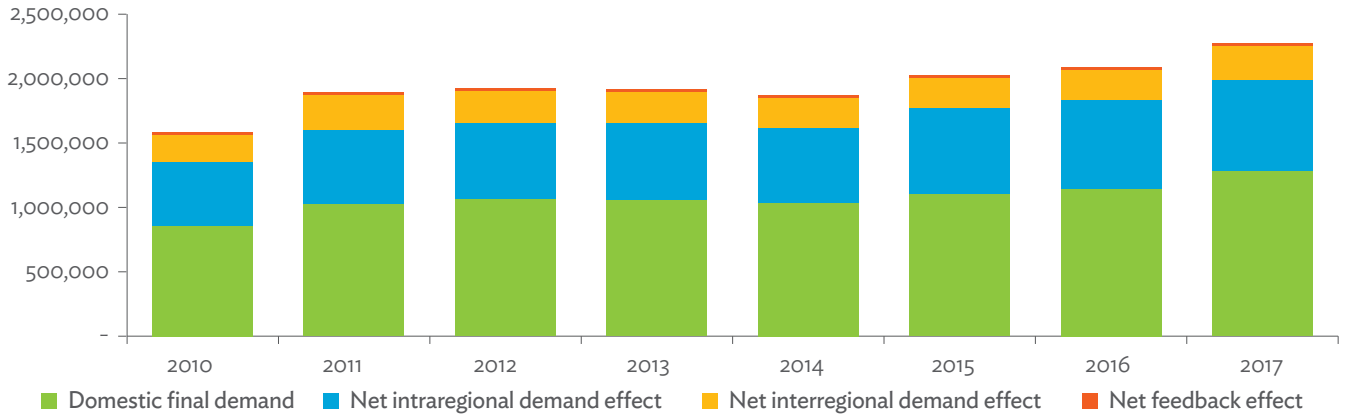
Figure 4.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

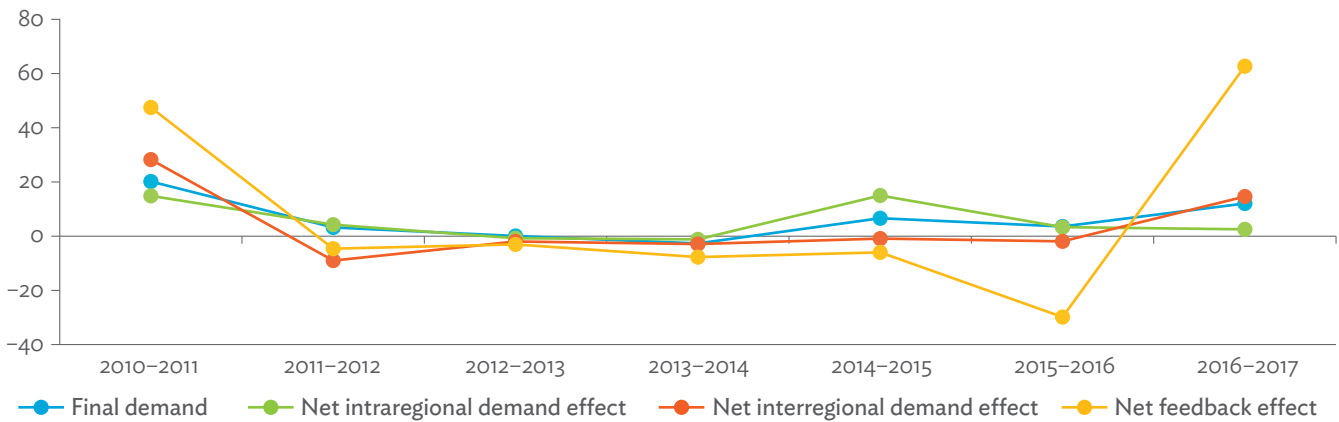


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

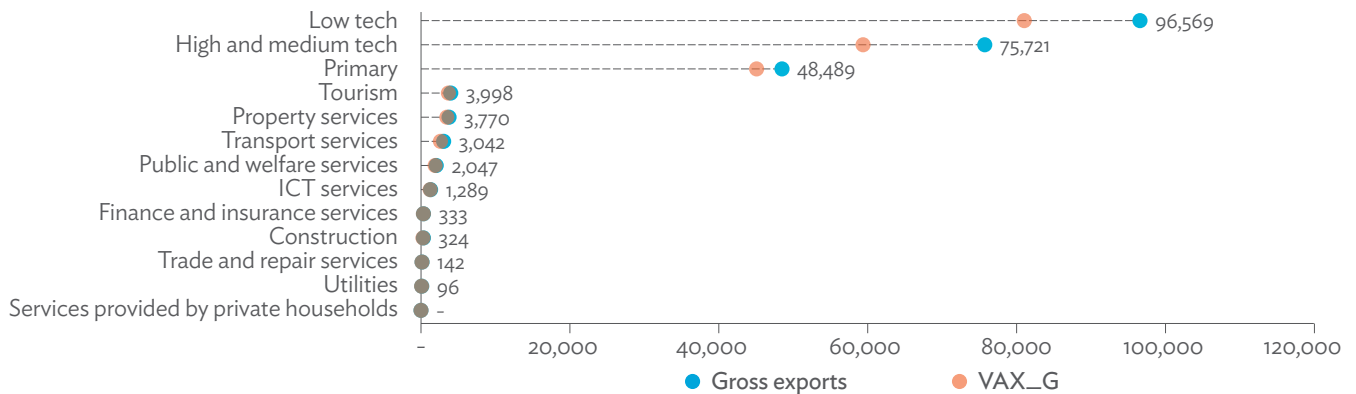
Figure 4.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

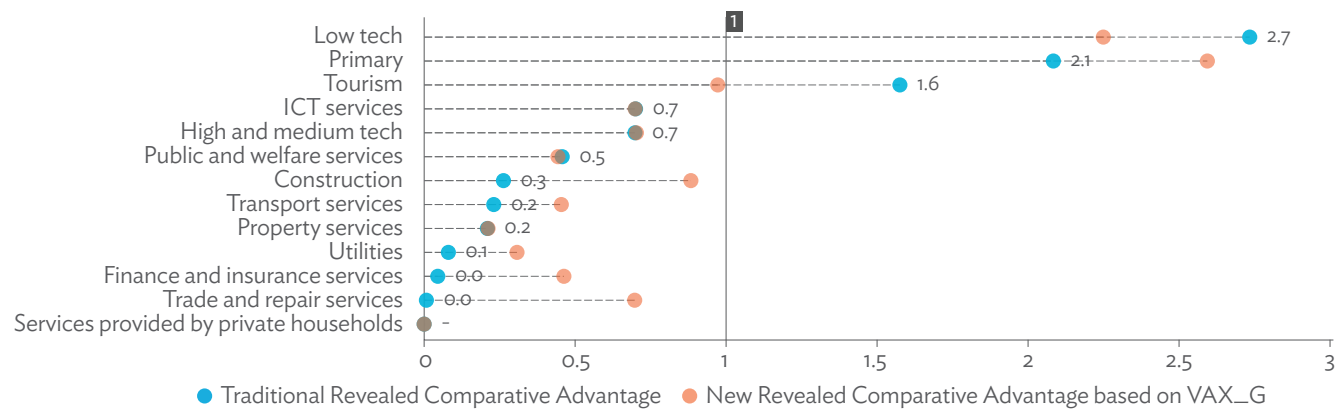


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 4.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Final demand | | | | | | | | |
| Primary | 96,793 | 124,885 | 121,340 | 118,844 | 107,398 | 97,183 | 106,641 | 118,725 |
| Low tech | 357,739 | 423,929 | 443,615 | 442,144 | 442,369 | 483,311 | 493,985 | 549,261 |
| High and medium tech | 103,984 | 125,672 | 125,228 | 125,009 | 118,943 | 121,854 | 124,665 | 141,397 |
| Business service | 193,294 | 229,051 | 239,987 | 243,287 | 236,832 | 255,423 | 267,560 | 309,328 |
| Personal service | 104,099 | 124,958 | 131,553 | 133,128 | 128,445 | 144,702 | 149,074 | 160,976 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 109,304 | 127,220 | 137,402 | 133,275 | 125,046 | 132,832 | 138,491 | 147,320 |
| Low tech | 115,899 | 131,760 | 129,811 | 122,381 | 120,891 | 147,696 | 146,023 | 149,543 |
| High and medium tech | 97,554 | 110,586 | 118,344 | 118,254 | 113,886 | 132,504 | 140,794 | 139,324 |
| Business service | 158,349 | 182,984 | 190,194 | 197,242 | 203,395 | 235,348 | 245,037 | 251,070 |
| Personal service | 17,759 | 20,524 | 21,694 | 21,776 | 22,728 | 25,476 | 25,950 | 26,634 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 4.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|--------|---------|--------|--------|--------|--------|--------|--------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 77,008 | 105,719 | 95,171 | 92,246 | 81,936 | 70,349 | 68,716 | 82,471 |
| Low tech | 57,693 | 71,327 | 68,306 | 66,908 | 70,299 | 73,964 | 71,864 | 81,506 |
| High and medium tech | 55,704 | 68,153 | 58,745 | 60,995 | 61,658 | 64,619 | 64,292 | 71,431 |
| Business service | 34,641 | 43,503 | 40,142 | 37,496 | 36,489 | 38,976 | 38,300 | 43,482 |
| Personal service | 3,145 | 3,968 | 3,961 | 3,460 | 3,137 | 3,356 | 3,314 | 3,628 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 346.65 | 548.37 | 530.95 | 503.59 | 427.66 | 350.61 | 250.92 | 420.14 |
| Low tech | 144.41 | 201.08 | 199.19 | 194.15 | 195.95 | 202.41 | 134.74 | 221.27 |
| High and medium tech | 194.34 | 268.55 | 242.28 | 248.77 | 246.17 | 251.45 | 177.94 | 279.11 |
| Business service | 102.35 | 144.29 | 135.93 | 129.03 | 122.77 | 127.83 | 90.36 | 144.47 |
| Personal service | 8.29 | 11.78 | 11.67 | 10.45 | 9.64 | 10.07 | 7.29 | 10.94 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 4.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.2492 | 0.2411 | 0.2385 | 0.2357 | 0.2351 | 0.2280 | 0.2342 | 0.2152 |
| Mining and quarrying | 0.3312 | 0.3219 | 0.3202 | 0.3171 | 0.3226 | 0.3367 | 0.3129 | 0.3211 |
| Food, beverages, and tobacco | 0.9244 | 0.9011 | 0.9022 | 0.8839 | 0.8844 | 0.8959 | 0.8399 | 0.8034 |
| Textiles and textile products | 0.6452 | 0.5979 | 0.5906 | 0.5681 | 0.5390 | 0.6147 | 0.7558 | 0.5978 |
| Leather, leather products, and footwear | 0.6026 | 0.5312 | 0.5284 | 0.5090 | 0.5154 | 0.5869 | 0.7136 | 0.5626 |
| Wood and products of wood and cork | 0.7997 | 0.7792 | 0.7691 | 0.7635 | 0.7639 | 0.8288 | 0.7768 | 0.7539 |
| Pulp, paper, paper products, printing, and publishing | 0.9788 | 0.9621 | 0.9295 | 0.8932 | 0.8999 | 0.9608 | 0.9889 | 0.9161 |
| Coke, refined petroleum, and nuclear fuel | 0.6425 | 0.6342 | 0.6361 | 0.6129 | 0.6100 | 0.6739 | 0.5582 | 0.7729 |
| Chemicals and chemical products | 0.8007 | 0.7599 | 0.7577 | 0.7366 | 0.7260 | 0.8004 | 0.8376 | 0.7539 |
| Rubber and plastics | 0.8983 | 0.8447 | 0.8333 | 0.8108 | 0.7978 | 0.8627 | 0.8891 | 0.8867 |
| Other nonmetallic minerals | 0.8380 | 0.8166 | 0.8055 | 0.7875 | 0.7901 | 0.8760 | 0.8138 | 0.8337 |
| Basic metals and fabricated metal | 0.7808 | 0.7620 | 0.7450 | 0.7333 | 0.7346 | 0.8077 | 0.8046 | 0.7892 |
| Machinery, nec | 0.6102 | 0.5593 | 0.5255 | 0.5231 | 0.5509 | 0.6898 | 0.9968 | 0.6515 |
| Electrical and optical equipment | 0.7236 | 0.7180 | 0.6974 | 0.6950 | 0.6953 | 0.8072 | 1.0290 | 0.7599 |
| Transport equipment | 0.6454 | 0.6423 | 0.6061 | 0.6036 | 0.6159 | 0.6813 | 0.7290 | 0.6384 |
| Manufacturing, nec; recycling | 0.8342 | 0.8054 | 0.7851 | 0.7752 | 0.7698 | 0.8202 | 0.8666 | 0.7945 |
| Electricity, gas, and water supply | 1.4616 | 1.4567 | 1.4120 | 1.3683 | 1.4074 | 1.4752 | 1.5189 | 1.4483 |
| Construction | 0.8659 | 0.8393 | 0.8160 | 0.8116 | 0.8137 | 0.8758 | 0.9163 | 0.8142 |
| Sale, maintenance, and repair | 0.4235 | 0.4152 | 0.4071 | 0.4043 | 0.4115 | 0.4649 | 0.4510 | 0.4100 |
| Wholesale trade and commission trade | 0.4552 | 0.4415 | 0.4343 | 0.4308 | 0.4419 | 0.4635 | 0.4585 | 0.4337 |
| Retail trade | 0.4556 | 0.4416 | 0.4345 | 0.4331 | 0.4412 | 0.4646 | 0.4571 | 0.4315 |
| Hotels and restaurants | 0.8271 | 0.8054 | 0.8021 | 0.7837 | 0.7871 | 0.8304 | 0.8018 | 0.7623 |
| Inland transport | 0.6420 | 0.6104 | 0.5895 | 0.5765 | 0.5859 | 0.5475 | 0.5399 | 0.5331 |
| Water transport | 0.8933 | 0.8552 | 0.8397 | 0.8386 | 0.8589 | 0.9131 | 0.9402 | 0.8905 |
| Air transport | 0.7677 | 0.7537 | 0.7401 | 0.7664 | 0.8061 | 0.7859 | 0.6797 | 0.6814 |
| Other supporting and auxiliary transport activities | 0.6535 | 0.6412 | 0.6386 | 0.6498 | 0.6689 | 0.6443 | 0.6423 | 0.6143 |
| Post and telecommunications | 0.4754 | 0.4694 | 0.4710 | 0.4774 | 0.4877 | 0.5010 | 0.4399 | 0.4187 |
| Financial intermediation | 0.3993 | 0.3940 | 0.3926 | 0.3943 | 0.3990 | 0.3925 | 0.2593 | 0.2516 |
| Real estate activities | 0.2740 | 0.2686 | 0.2646 | 0.2687 | 0.2735 | 0.2740 | 0.1845 | 0.1768 |
| Renting of M&Eq and other business activities | 0.5697 | 0.5561 | 0.5514 | 0.5562 | 0.5684 | 0.5852 | 0.5344 | 0.4999 |
| Public administration and defense; compulsory social security | 0.5358 | 0.5239 | 0.5244 | 0.5354 | 0.5556 | 0.5669 | 0.5391 | 0.5042 |
| Education | 0.5184 | 0.5051 | 0.4947 | 0.4866 | 0.4895 | 0.5070 | 0.4511 | 0.4186 |
| Health and social work | 0.8212 | 0.8031 | 0.8003 | 0.7853 | 0.7934 | 0.8185 | 0.7853 | 0.7326 |
| Other community, social, and personal services | 0.7312 | 0.7218 | 0.7163 | 0.7220 | 0.7335 | 0.7115 | 0.6631 | 0.6317 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 4.3.4: Net Interregional Multipliers (M2), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0829 | 0.0922 | 0.0969 | 0.0999 | 0.1181 | 0.0965 | 0.0632 | 0.0902 |
| Mining and quarrying | 0.1639 | 0.1737 | 0.1727 | 0.1807 | 0.1816 | 0.1611 | 0.1628 | 0.1519 |
| Food, beverages, and tobacco | 0.1925 | 0.2273 | 0.2329 | 0.2440 | 0.2564 | 0.2184 | 0.1374 | 0.1924 |
| Textiles and textile products | 0.5790 | 0.6879 | 0.7042 | 0.7389 | 0.7867 | 0.7193 | 0.4991 | 0.7118 |
| Leather, leather products, and footwear | 0.8868 | 0.8038 | 0.7935 | 0.8163 | 0.7849 | 0.6903 | 0.4601 | 0.7165 |
| Wood and products of wood and cork | 0.2251 | 0.2541 | 0.2693 | 0.2812 | 0.2962 | 0.2724 | 0.2070 | 0.2434 |
| Pulp, paper, paper products, printing, and publishing | 0.4056 | 0.4398 | 0.4578 | 0.4860 | 0.4922 | 0.4364 | 0.3169 | 0.4126 |
| Coke, refined petroleum, and nuclear fuel | 0.2178 | 0.2266 | 0.2217 | 0.2538 | 0.2647 | 0.2502 | 0.6014 | 0.2840 |
| Chemicals and chemical products | 0.4896 | 0.5462 | 0.5520 | 0.5830 | 0.6159 | 0.5528 | 0.4040 | 0.5209 |
| Rubber and plastics | 0.5258 | 0.6046 | 0.6362 | 0.6541 | 0.6757 | 0.5958 | 0.6110 | 0.6133 |
| Other nonmetallic minerals | 0.3876 | 0.4132 | 0.4198 | 0.4474 | 0.4606 | 0.4280 | 0.4339 | 0.4038 |
| Basic metals and fabricated metal | 0.5240 | 0.5491 | 0.5730 | 0.5944 | 0.6072 | 0.5462 | 0.5043 | 0.5316 |
| Machinery, nec | 1.1963 | 1.2569 | 1.3133 | 1.3162 | 1.3058 | 1.2202 | 0.6688 | 1.1414 |
| Electrical and optical equipment | 0.9723 | 0.9962 | 1.0328 | 1.0547 | 1.0524 | 0.9602 | 0.5218 | 0.9006 |
| Transport equipment | 0.4448 | 0.4552 | 0.5084 | 0.5110 | 0.4966 | 0.4537 | 0.2870 | 0.4231 |
| Manufacturing, nec; recycling | 0.4493 | 0.4905 | 0.5195 | 0.5330 | 0.5496 | 0.4864 | 0.3693 | 0.4717 |
| Electricity, gas, and water supply | 0.3509 | 0.3891 | 0.4006 | 0.4344 | 0.4321 | 0.3896 | 0.2952 | 0.3786 |
| Construction | 0.4820 | 0.5156 | 0.5517 | 0.5655 | 0.5653 | 0.5040 | 0.3120 | 0.4675 |
| Sale, maintenance, and repair | 0.2343 | 0.2499 | 0.2602 | 0.2661 | 0.2592 | 0.2460 | 0.1553 | 0.2157 |
| Wholesale trade and commission trade | 0.1865 | 0.2072 | 0.2137 | 0.2197 | 0.2089 | 0.1860 | 0.1374 | 0.1726 |
| Retail trade | 0.1839 | 0.2060 | 0.2125 | 0.2150 | 0.2125 | 0.1897 | 0.1387 | 0.1741 |
| Hotels and restaurants | 0.1796 | 0.2108 | 0.2205 | 0.2320 | 0.2370 | 0.2101 | 0.1350 | 0.1905 |
| Inland transport | 0.3869 | 0.4378 | 0.4657 | 0.4883 | 0.4777 | 0.3689 | 0.3458 | 0.3542 |
| Water transport | 0.4351 | 0.4958 | 0.5154 | 0.5219 | 0.5019 | 0.4492 | 0.3630 | 0.4352 |
| Air transport | 0.6013 | 0.6335 | 0.6525 | 0.6194 | 0.5724 | 0.4631 | 0.4032 | 0.4002 |
| Other supporting and auxiliary transport activities | 0.2145 | 0.2320 | 0.2358 | 0.2292 | 0.2172 | 0.1810 | 0.1267 | 0.1637 |
| Post and telecommunications | 0.1537 | 0.1640 | 0.1613 | 0.1596 | 0.1508 | 0.1339 | 0.0763 | 0.1070 |
| Financial intermediation | 0.1120 | 0.1201 | 0.1196 | 0.1176 | 0.1210 | 0.1016 | 0.0533 | 0.0628 |
| Real estate activities | 0.0873 | 0.0931 | 0.0963 | 0.0957 | 0.0928 | 0.0814 | 0.0399 | 0.0497 |
| Renting of M&Eq and other business activities | 0.2670 | 0.2867 | 0.2919 | 0.2899 | 0.2819 | 0.2456 | 0.1564 | 0.2063 |
| Public administration and defense; compulsory social security | 0.2435 | 0.2635 | 0.2610 | 0.2491 | 0.2334 | 0.2007 | 0.1325 | 0.1773 |
| Education | 0.2300 | 0.2504 | 0.2580 | 0.2676 | 0.2683 | 0.2326 | 0.1473 | 0.1898 |
| Health and social work | 0.2911 | 0.3189 | 0.3281 | 0.3442 | 0.3434 | 0.2993 | 0.1923 | 0.2647 |
| Other community, social, and personal services | 0.2065 | 0.2230 | 0.2280 | 0.2286 | 0.2263 | 0.1875 | 0.1187 | 0.1628 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 4.3-5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0003 | 0.0004 | 0.0003 | 0.0003 | 0.0004 | 0.0003 | 0.0002 | 0.0003 |
| Mining and quarrying | 0.0005 | 0.0006 | 0.0006 | 0.0006 | 0.0005 | 0.0005 | 0.0004 | 0.0005 |
| Food, beverages, and tobacco | 0.0006 | 0.0008 | 0.0008 | 0.0007 | 0.0007 | 0.0006 | 0.0004 | 0.0006 |
| Textiles and textile products | 0.0019 | 0.0025 | 0.0022 | 0.0023 | 0.0024 | 0.0022 | 0.0015 | 0.0023 |
| Leather, leather products, and footwear | 0.0028 | 0.0028 | 0.0024 | 0.0024 | 0.0023 | 0.0020 | 0.0013 | 0.0022 |
| Wood and products of wood and cork | 0.0008 | 0.0010 | 0.0009 | 0.0009 | 0.0009 | 0.0008 | 0.0006 | 0.0008 |
| Pulp, paper, paper products, printing, and publishing | 0.0014 | 0.0017 | 0.0015 | 0.0016 | 0.0015 | 0.0013 | 0.0009 | 0.0013 |
| Coke, refined petroleum, and nuclear fuel | 0.0007 | 0.0008 | 0.0007 | 0.0008 | 0.0007 | 0.0007 | 0.0016 | 0.0008 |
| Chemicals and chemical products | 0.0017 | 0.0022 | 0.0019 | 0.0019 | 0.0019 | 0.0017 | 0.0012 | 0.0017 |
| Rubber and plastics | 0.0018 | 0.0024 | 0.0022 | 0.0022 | 0.0022 | 0.0019 | 0.0019 | 0.0021 |
| Other nonmetallic minerals | 0.0013 | 0.0016 | 0.0014 | 0.0014 | 0.0014 | 0.0013 | 0.0012 | 0.0013 |
| Basic metals and fabricated metal | 0.0018 | 0.0021 | 0.0019 | 0.0019 | 0.0018 | 0.0016 | 0.0015 | 0.0017 |
| Machinery, nec | 0.0033 | 0.0039 | 0.0035 | 0.0034 | 0.0032 | 0.0030 | 0.0016 | 0.0029 |
| Electrical and optical equipment | 0.0030 | 0.0035 | 0.0032 | 0.0031 | 0.0029 | 0.0026 | 0.0014 | 0.0026 |
| Transport equipment | 0.0014 | 0.0016 | 0.0016 | 0.0015 | 0.0014 | 0.0012 | 0.0008 | 0.0012 |
| Manufacturing, nec; recycling | 0.0015 | 0.0019 | 0.0017 | 0.0017 | 0.0017 | 0.0015 | 0.0011 | 0.0015 |
| Electricity, gas, and water supply | 0.0015 | 0.0019 | 0.0017 | 0.0017 | 0.0015 | 0.0013 | 0.0009 | 0.0014 |
| Construction | 0.0017 | 0.0021 | 0.0020 | 0.0019 | 0.0018 | 0.0015 | 0.0009 | 0.0015 |
| Sale, maintenance, and repair | 0.0008 | 0.0010 | 0.0009 | 0.0009 | 0.0008 | 0.0007 | 0.0005 | 0.0007 |
| Wholesale trade and commission trade | 0.0007 | 0.0009 | 0.0008 | 0.0008 | 0.0007 | 0.0006 | 0.0004 | 0.0006 |
| Retail trade | 0.0007 | 0.0009 | 0.0008 | 0.0008 | 0.0007 | 0.0006 | 0.0004 | 0.0006 |
| Hotels and restaurants | 0.0006 | 0.0008 | 0.0007 | 0.0007 | 0.0007 | 0.0006 | 0.0004 | 0.0006 |
| Inland transport | 0.0018 | 0.0023 | 0.0022 | 0.0021 | 0.0018 | 0.0013 | 0.0011 | 0.0013 |
| Water transport | 0.0018 | 0.0024 | 0.0023 | 0.0021 | 0.0018 | 0.0015 | 0.0011 | 0.0016 |
| Air transport | 0.0023 | 0.0029 | 0.0027 | 0.0024 | 0.0020 | 0.0016 | 0.0013 | 0.0015 |
| Other supporting and auxiliary transport activities | 0.0007 | 0.0009 | 0.0008 | 0.0008 | 0.0007 | 0.0005 | 0.0004 | 0.0005 |
| Post and telecommunications | 0.0004 | 0.0005 | 0.0005 | 0.0004 | 0.0004 | 0.0004 | 0.0002 | 0.0003 |
| Financial intermediation | 0.0003 | 0.0004 | 0.0004 | 0.0003 | 0.0003 | 0.0003 | 0.0001 | 0.0002 |
| Real estate activities | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0002 | 0.0001 | 0.0002 |
| Renting of M&Eq and other business activities | 0.0008 | 0.0010 | 0.0009 | 0.0009 | 0.0008 | 0.0007 | 0.0004 | 0.0006 |
| Public administration and defense; compulsory social security | 0.0008 | 0.0010 | 0.0009 | 0.0008 | 0.0007 | 0.0006 | 0.0004 | 0.0006 |
| Education | 0.0008 | 0.0009 | 0.0009 | 0.0009 | 0.0008 | 0.0007 | 0.0004 | 0.0006 |
| Health and social work | 0.0009 | 0.0012 | 0.0011 | 0.0011 | 0.0010 | 0.0009 | 0.0005 | 0.0008 |
| Other community, social, and personal services | 0.0006 | 0.0008 | 0.0007 | 0.0007 | 0.0007 | 0.0005 | 0.0003 | 0.0005 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 4.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 48,635 | 44,846 | 68,656 | 63,022 | 62,337 | 57,219 | 60,102 | 55,058 | 50,488 | 46,266 | 40,854 | 37,873 | 39,725 | 36,876 | 48,489 | 45,075 |
| Low tech | 61,001 | 51,088 | 75,692 | 62,235 | 76,690 | 62,864 | 77,166 | 62,802 | 83,838 | 67,935 | 85,993 | 71,834 | 84,175 | 73,311 | 96,569 | 81,029 |
| High and medium tech | 58,388 | 45,236 | 70,878 | 54,767 | 66,961 | 51,043 | 67,315 | 51,056 | 66,334 | 49,847 | 67,922 | 52,444 | 66,656 | 53,623 | 75,721 | 59,375 |
| Utilities | 65 | 56 | 86 | 72 | 88 | 74 | 65 | 54 | 76 | 63 | 78 | 66 | 79 | 69 | 96 | 81 |
| Construction | 517 | 419 | 646 | 516 | 524 | 414 | 418 | 329 | 277 | 218 | 290 | 236 | 278 | 244 | 324 | 268 |
| Trade and repair services | 52 | 47 | 212 | 193 | 79 | 72 | 169 | 154 | 120 | 110 | 123 | 113 | 123 | 116 | 142 | 132 |
| Tourism | 4,385 | 4,041 | 5,156 | 4,691 | 5,523 | 5,012 | 4,301 | 3,885 | 3,501 | 3,157 | 3,636 | 3,320 | 3,511 | 3,310 | 3,998 | 3,681 |
| Transport services | 3,117 | 2,504 | 4,433 | 3,508 | 3,900 | 3,067 | 2,900 | 2,304 | 2,349 | 1,894 | 2,449 | 2,062 | 2,427 | 2,091 | 3,042 | 2,610 |
| ICT services | 1,398 | 1,303 | 1,841 | 1,709 | 1,622 | 1,510 | 1,267 | 1,183 | 1,022 | 958 | 1,054 | 996 | 1,052 | 1,017 | 1,289 | 1,231 |
| Finance and insurance services | 113 | 107 | 153 | 144 | 146 | 138 | 175 | 166 | 281 | 266 | 296 | 282 | 284 | 276 | 333 | 323 |
| Property services | 3,841 | 3,427 | 5,083 | 4,506 | 5,229 | 4,635 | 3,886 | 3,458 | 3,005 | 2,685 | 3,186 | 2,891 | 3,146 | 2,952 | 3,770 | 3,475 |
| Public and welfare services | 2,009 | 1,813 | 2,594 | 2,329 | 2,863 | 2,568 | 2,104 | 1,893 | 1,686 | 1,522 | 1,767 | 1,622 | 1,744 | 1,650 | 2,047 | 1,902 |
| Services provided by private households | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |

\$ = United States dollar, ICT = information and communication technology.

Note: “VAX_G” refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 4.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 2.437 | 2.646 | 2.399 | 2.499 | 2.268 | 2.496 | 2.371 | 2.583 | 2.186 | 2.561 | 2.032 | 2.502 | 2.069 | 2.497 | 2.084 | 2.594 |
| Low tech | 2.304 | 1.905 | 2.269 | 1.879 | 2.408 | 1.926 | 2.407 | 1.932 | 2.646 | 2.102 | 2.767 | 2.211 | 2.775 | 2.289 | 2.734 | 2.249 |
| High and medium tech | 0.680 | 0.697 | 0.644 | 0.672 | 0.639 | 0.678 | 0.665 | 0.706 | 0.676 | 0.712 | 0.705 | 0.741 | 0.716 | 0.726 | 0.698 | 0.703 |
| Utilities | 0.079 | 0.267 | 0.082 | 0.256 | 0.086 | 0.249 | 0.064 | 0.228 | 0.076 | 0.271 | 0.077 | 0.305 | 0.064 | 0.331 | 0.080 | 0.308 |
| Construction | 0.717 | 0.921 | 0.715 | 0.898 | 0.572 | 0.785 | 0.353 | 0.803 | 0.253 | 0.834 | 0.262 | 1.065 | 0.223 | 0.793 | 0.263 | 0.883 |
| Trade and repair services | 0.004 | 0.681 | 0.012 | 0.661 | 0.004 | 0.638 | 0.010 | 0.642 | 0.007 | 0.686 | 0.007 | 0.729 | 0.007 | 0.748 | 0.008 | 0.697 |
| Tourism | 2.264 | 1.316 | 2.074 | 1.223 | 2.361 | 1.343 | 1.846 | 1.135 | 1.516 | 1.005 | 1.624 | 1.006 | 1.403 | 0.955 | 1.576 | 0.972 |
| Transport services | 0.285 | 0.352 | 0.338 | 0.366 | 0.305 | 0.358 | 0.238 | 0.347 | 0.198 | 0.369 | 0.208 | 0.432 | 0.214 | 0.465 | 0.231 | 0.454 |
| ICT services | 1.136 | 0.931 | 1.243 | 0.952 | 1.038 | 0.919 | 0.840 | 0.825 | 0.691 | 0.792 | 0.722 | 0.831 | 0.702 | 0.824 | 0.700 | 0.699 |
| Finance and insurance services | 0.020 | 0.382 | 0.022 | 0.389 | 0.022 | 0.405 | 0.027 | 0.408 | 0.043 | 0.418 | 0.046 | 0.440 | 0.043 | 0.476 | 0.045 | 0.463 |
| Property services | 0.320 | 0.220 | 0.337 | 0.224 | 0.362 | 0.231 | 0.260 | 0.201 | 0.200 | 0.185 | 0.208 | 0.197 | 0.204 | 0.203 | 0.210 | 0.212 |
| Public and welfare services | 0.586 | 0.473 | 0.632 | 0.480 | 0.704 | 0.520 | 0.499 | 0.431 | 0.416 | 0.408 | 0.427 | 0.435 | 0.405 | 0.437 | 0.457 | 0.443 |
| Services provided by private households | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

ICT = information and communication technology.

Note: “VAX_G” refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

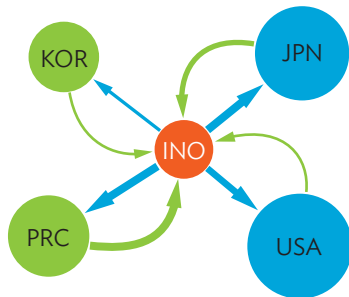
Source: Asian Development Bank Multi-Regional Input-Output Database.

4.4

GLOBAL VALUE CHAIN INDICATORS

Indonesia

Figure 4.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



● Economy in focus ● Import partner ● Export partner

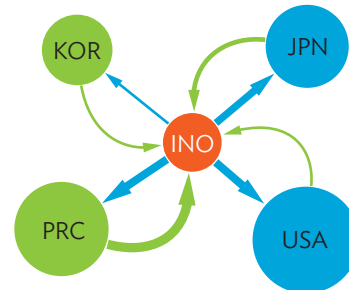
INO = Indonesia, JPN = Japan, KOR = Republic of Korea, PRC = People's Republic of China, USA = United States.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



● Economy in focus ● Import partner ● Export partner

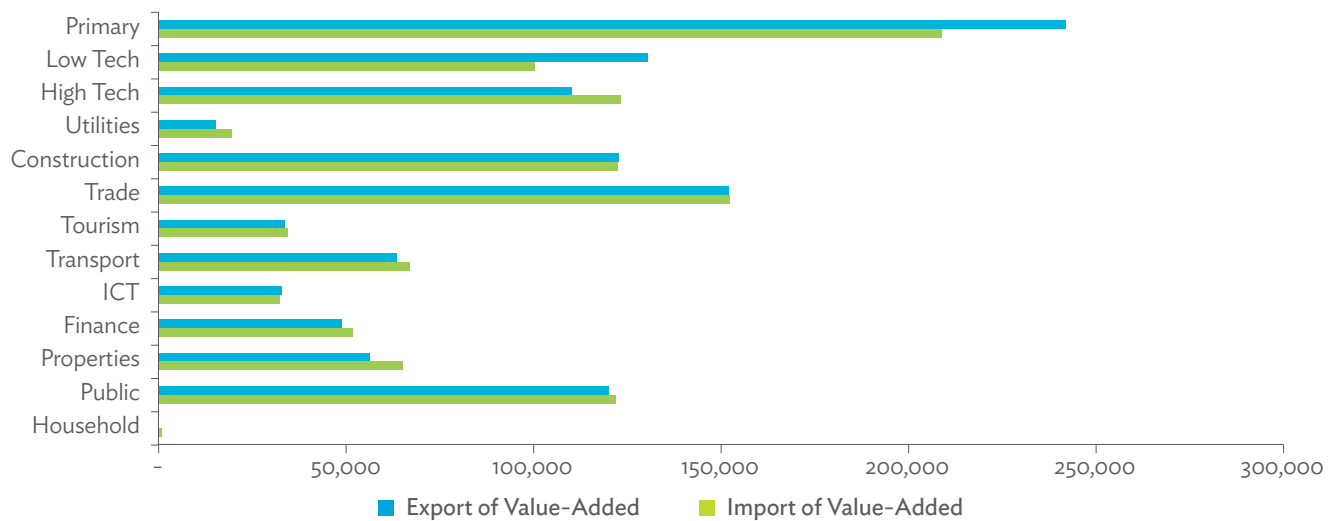
INO = Indonesia, JPN = Japan, KOR = Republic of Korea, PRC = People's Republic of China, USA = United States.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.4.2: Trade in Value-Added by Industry, 2017 (\$ million)

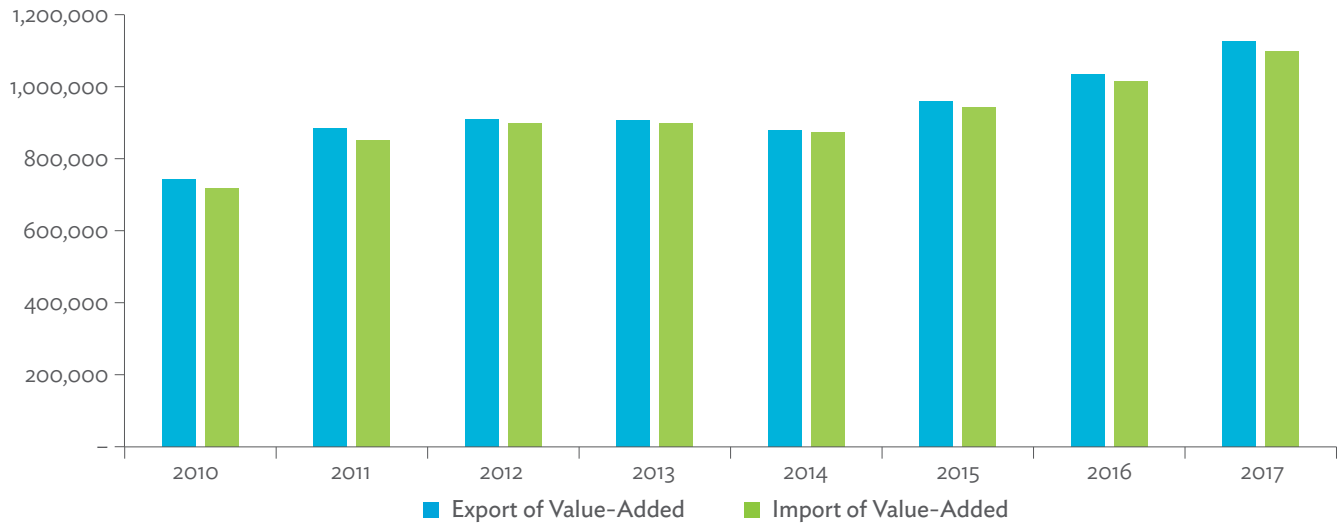


\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

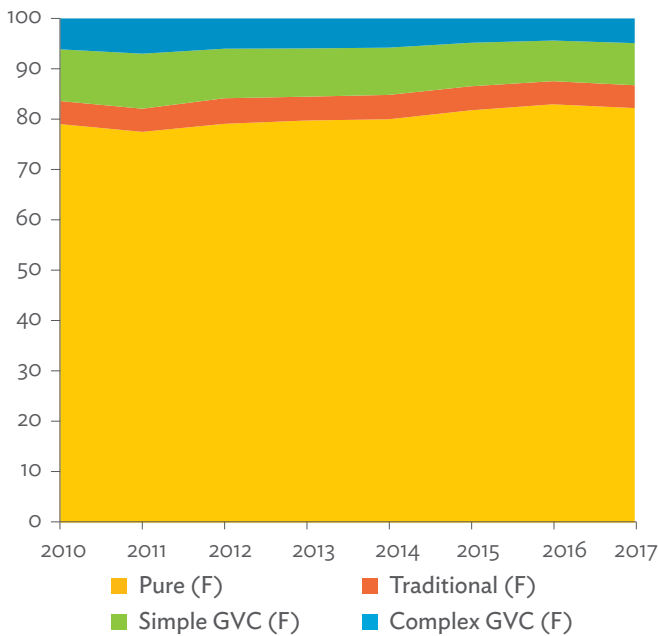
Figure 4.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

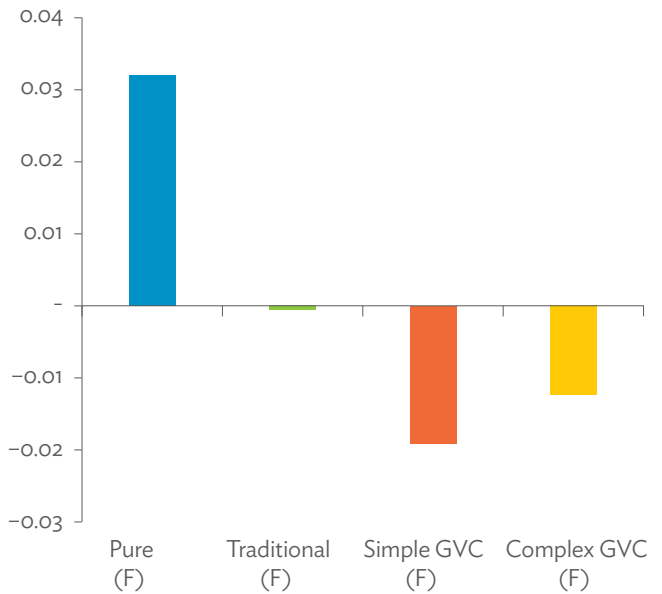
Figure 4.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

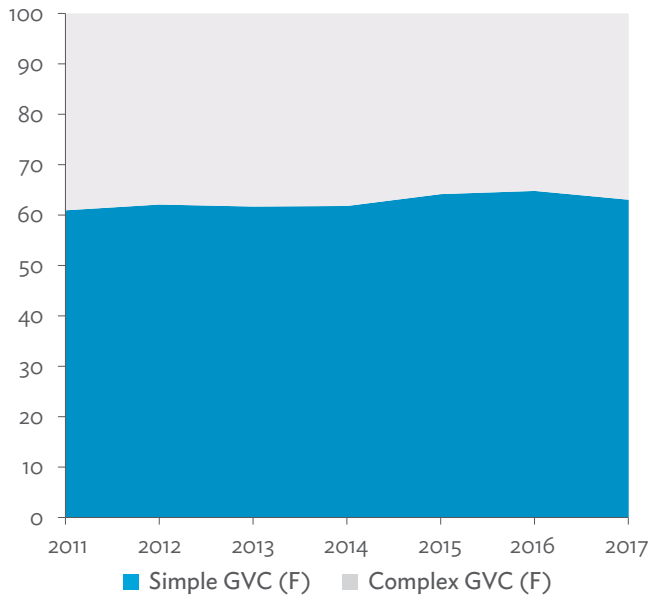
Figure 4.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

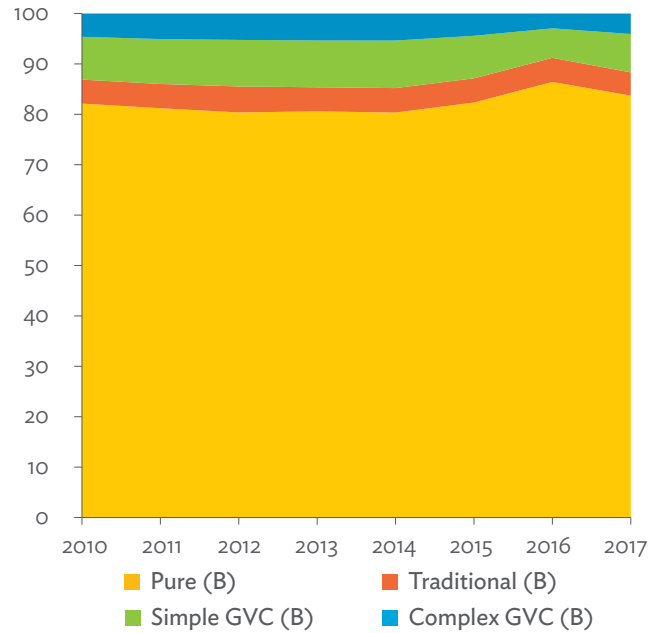
Figure 4.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

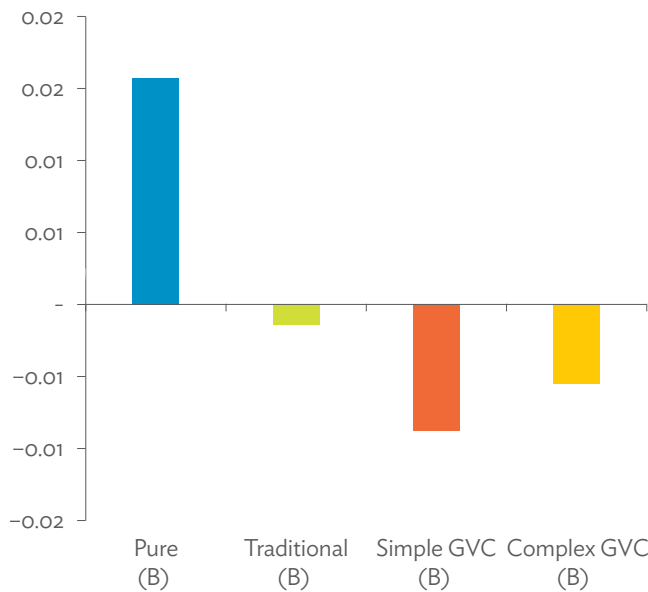
Figure 4.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

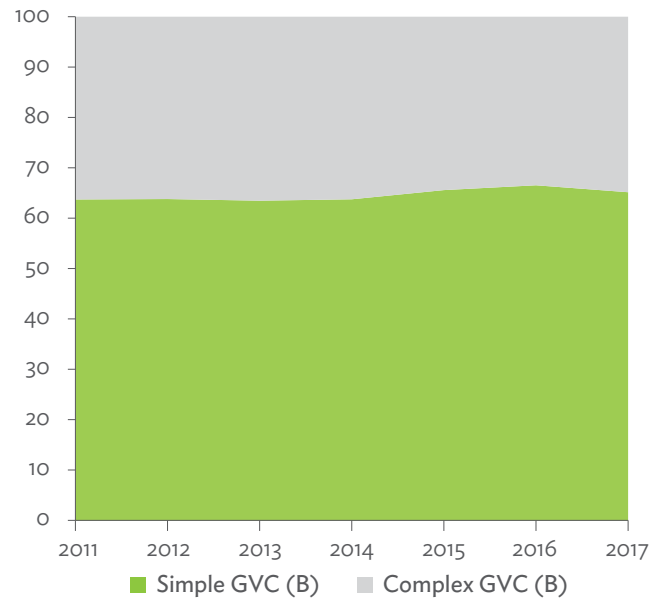
Figure 4.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

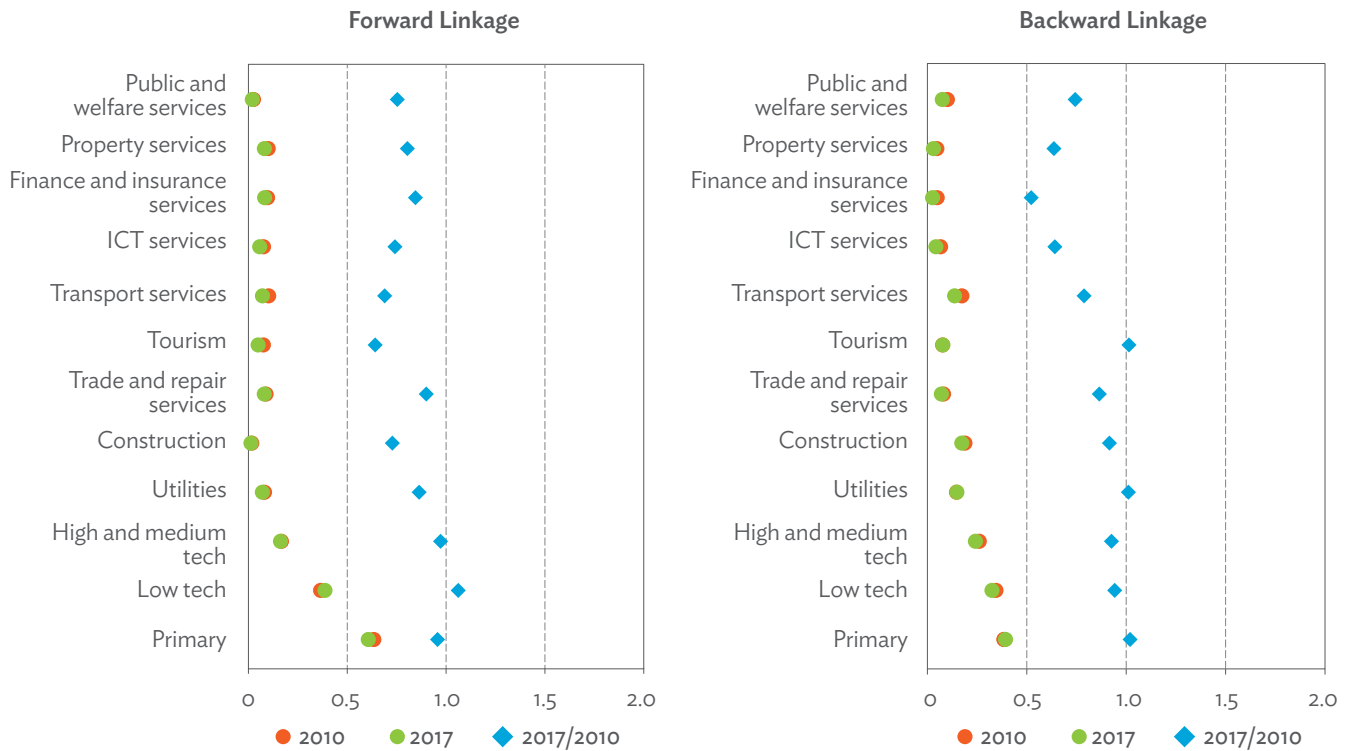
Figure 4.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

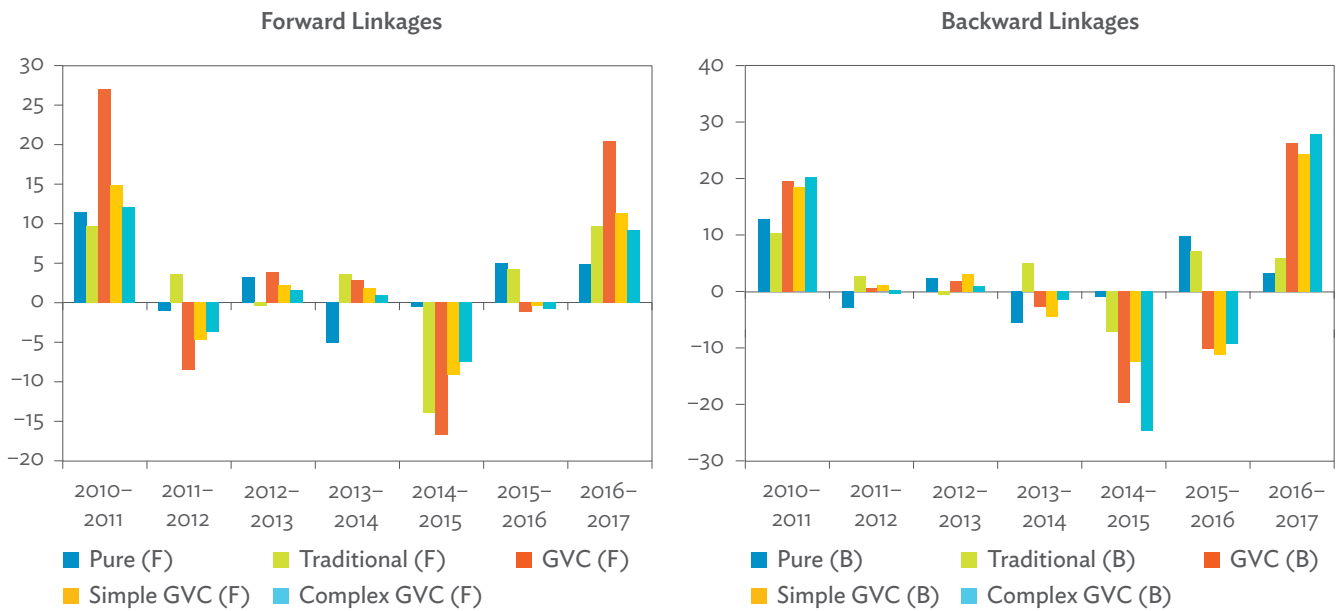
Figure 4.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 4.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

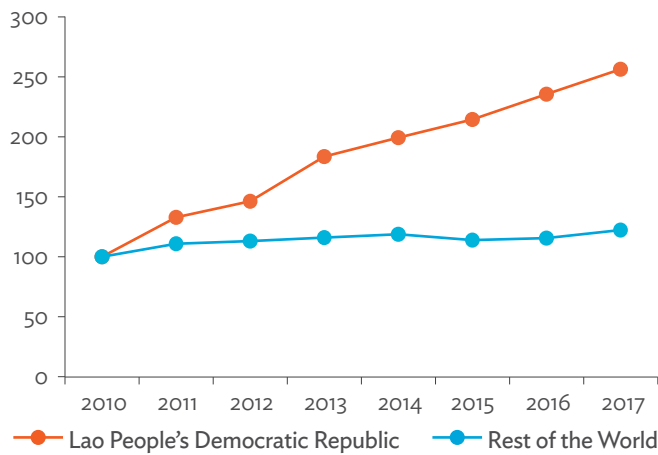
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5.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Lao People's Democratic Republic

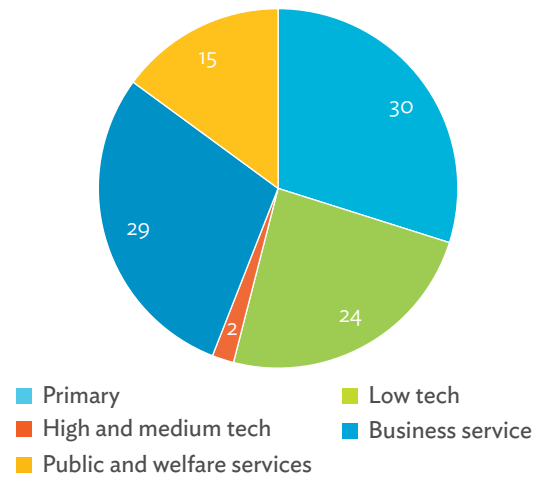
Figure 5.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

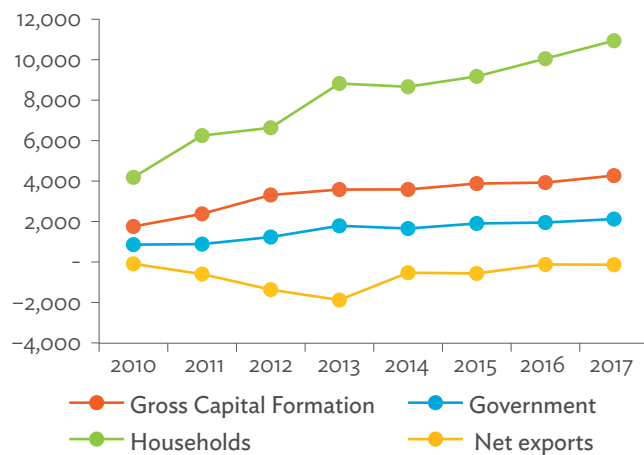
Figure 5.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

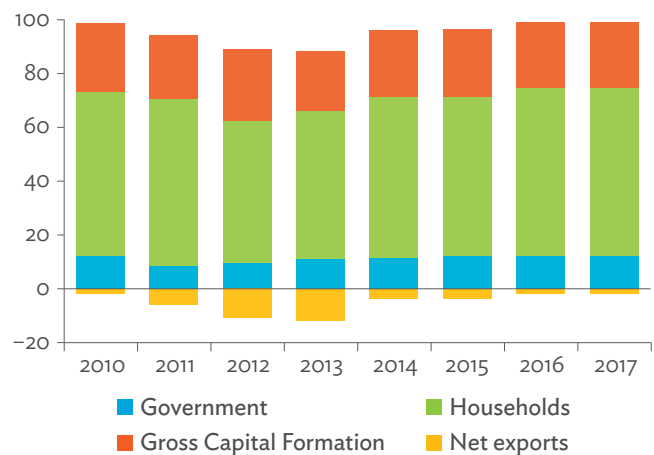
Figure 5.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

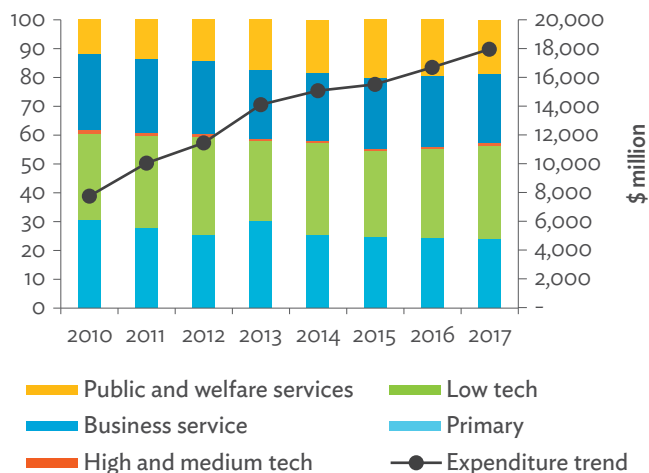
Figure 5.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

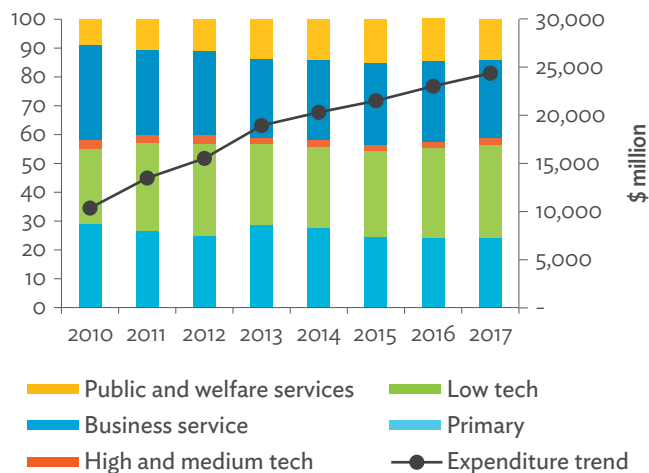
Figure 5.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

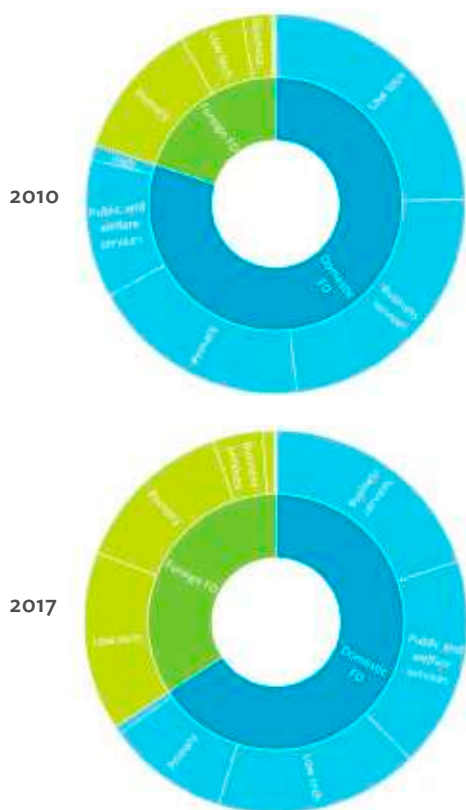
Figure 5.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

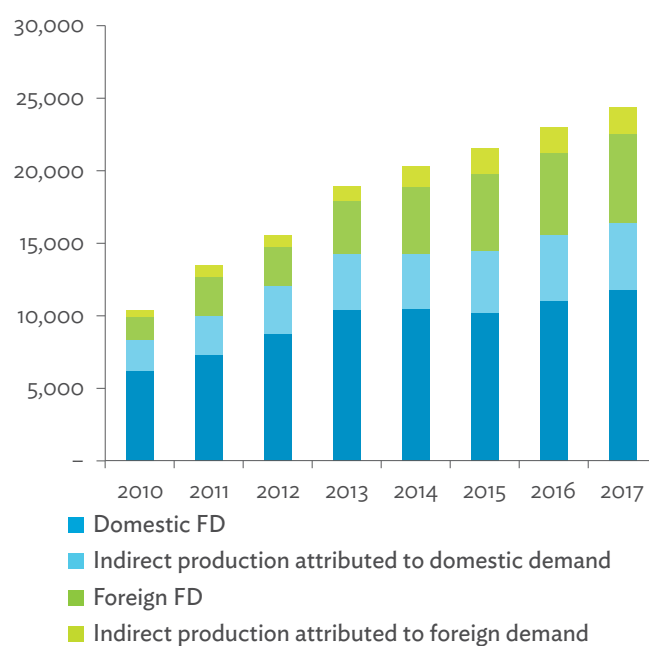
Figure 5.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

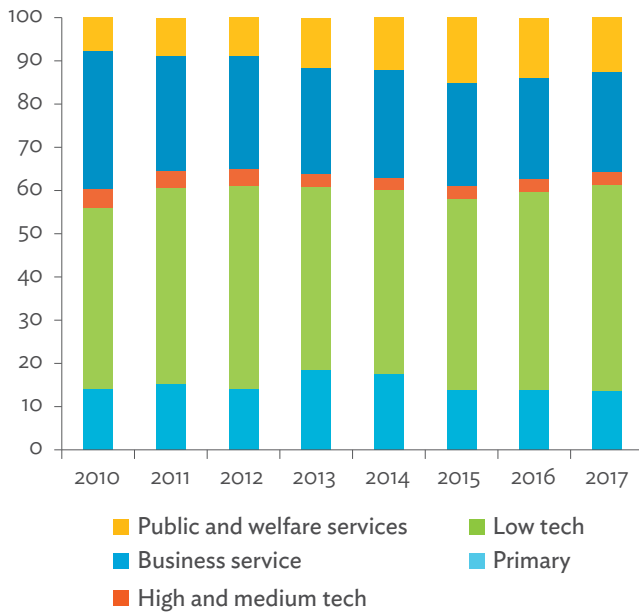
Figure 5.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

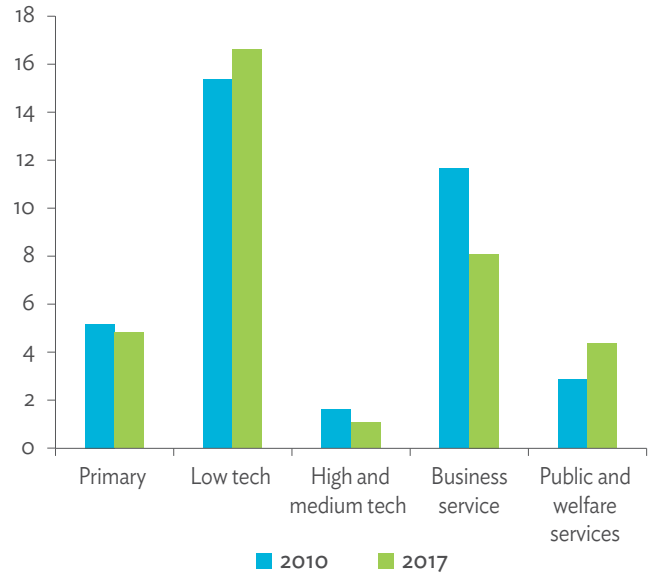
Figure 5.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

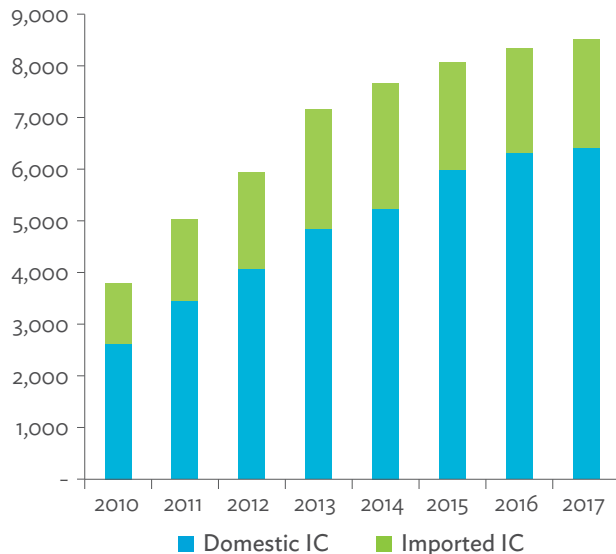
Figure 5.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

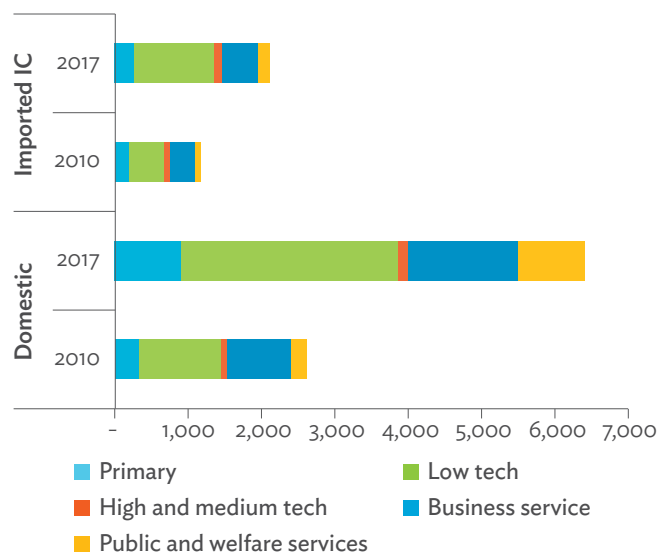


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

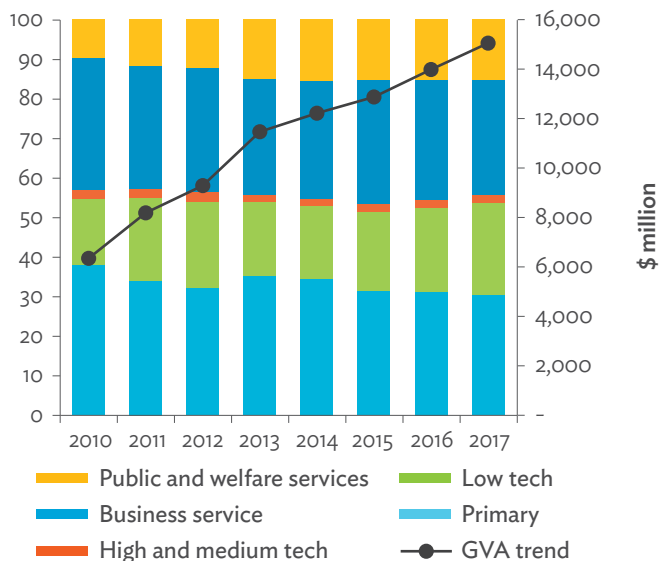


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

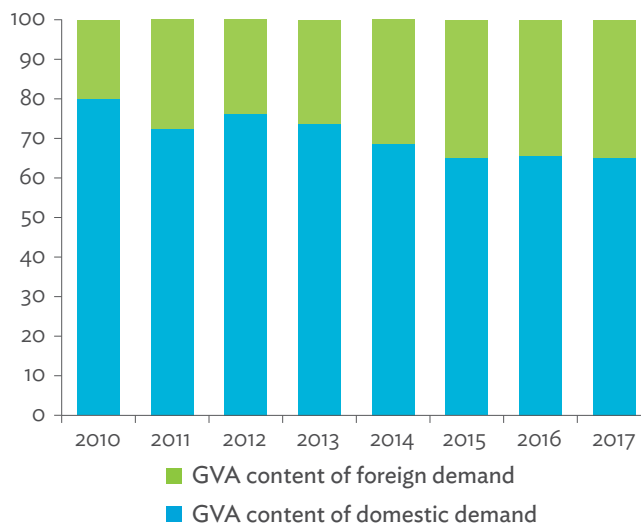
Figure 5.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

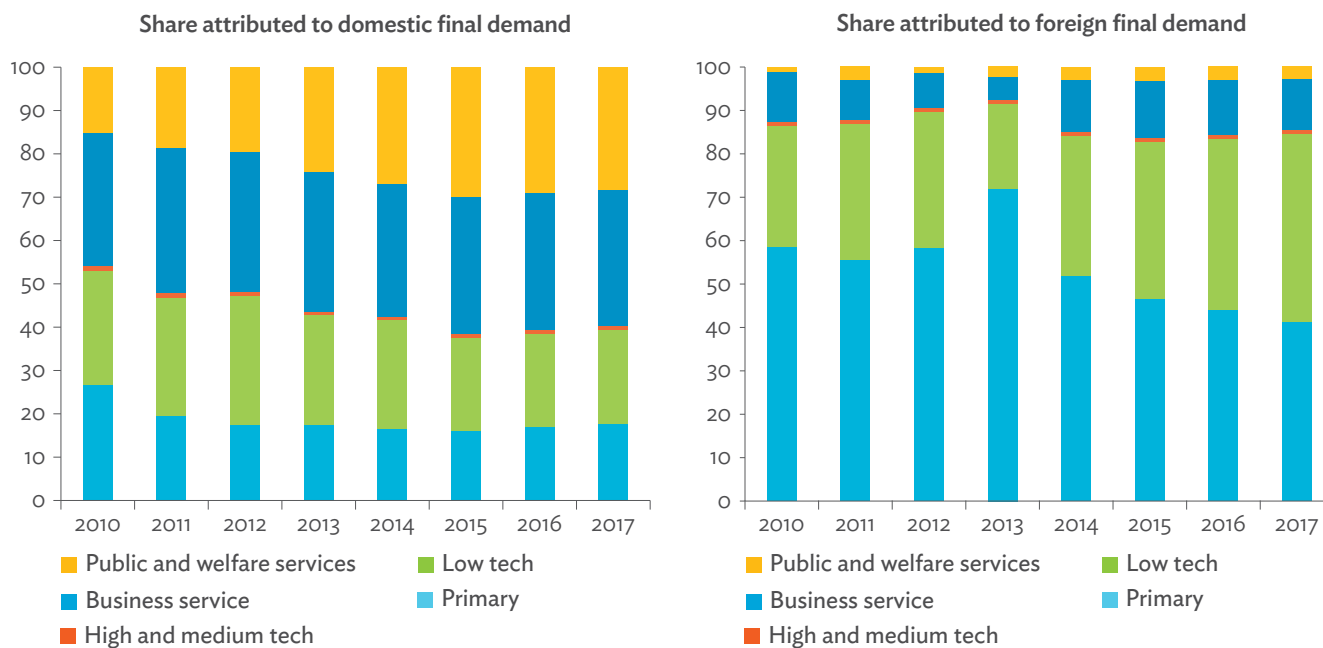
Figure 5.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 5.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 5.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.936 | 0.946 | 0.946 | 0.945 | 0.937 | 0.950 | 0.953 | 0.953 |
| Mining and quarrying | 0.801 | 0.801 | 0.804 | 0.804 | 0.844 | 0.856 | 0.857 | 0.855 |
| Food, beverages, and tobacco | 0.840 | 0.850 | 0.854 | 0.850 | 0.816 | 0.843 | 0.814 | 0.810 |
| Textiles and textile products | 0.797 | 0.797 | 0.802 | 0.795 | 0.756 | 0.792 | 0.767 | 0.762 |
| Leather, leather products, and footwear | 0.799 | 0.797 | 0.802 | 0.805 | 0.759 | 0.792 | 0.792 | 0.786 |
| Wood and products of wood and cork | 0.851 | 0.848 | 0.851 | 0.845 | 0.814 | 0.835 | 0.831 | 0.821 |
| Pulp, paper, paper products, printing, and publishing | 0.834 | 0.837 | 0.841 | 0.833 | 0.798 | 0.803 | 0.791 | 0.776 |
| Coke, refined petroleum, and nuclear fuel | 0.679 | 0.683 | 0.691 | 0.686 | 0.617 | 0.673 | 0.690 | 0.688 |
| Chemicals and chemical products | 0.733 | 0.719 | 0.727 | 0.720 | 0.665 | 0.701 | 0.707 | 0.700 |
| Rubber and plastics | 0.577 | 0.565 | 0.576 | 0.566 | 0.484 | 0.545 | 0.560 | 0.552 |
| Other nonmetallic minerals | 0.753 | 0.752 | 0.758 | 0.754 | 0.722 | 0.757 | 0.761 | 0.757 |
| Basic metals and fabricated metal | 0.527 | 0.522 | 0.527 | 0.523 | 0.425 | 0.527 | 0.533 | 0.532 |
| Machinery, nec | 0.597 | 0.530 | 0.554 | 0.458 | 0.435 | 0.426 | 0.540 | 0.503 |
| Electrical and optical equipment | 0.276 | 0.538 | 0.586 | 0.580 | 0.489 | 0.547 | 0.548 | 0.539 |
| Transport equipment | 0.338 | 0.293 | 0.305 | 0.295 | 0.156 | 0.248 | 0.255 | 0.239 |
| Manufacturing, nec; recycling | 0.799 | 0.794 | 0.798 | 0.792 | 0.720 | 0.777 | 0.776 | 0.769 |
| Electricity, gas, and water supply | 0.882 | 0.887 | 0.889 | 0.886 | 0.870 | 0.893 | 0.900 | 0.906 |
| Construction | 0.578 | 0.562 | 0.575 | 0.561 | 0.587 | 0.606 | 0.632 | 0.626 |
| Sale, maintenance, and repair | 0.799 | 0.808 | 0.818 | 0.806 | 0.795 | 0.801 | 0.801 | 0.797 |
| Wholesale trade and commission trade | 0.872 | 0.862 | 0.885 | 0.878 | 0.872 | 0.884 | 0.886 | 0.883 |
| Retail trade | 0.842 | 0.848 | 0.857 | 0.847 | 0.841 | 0.832 | 0.858 | 0.854 |
| Hotels and restaurants | 0.811 | 0.797 | 0.805 | 0.800 | 0.768 | 0.792 | 0.785 | 0.771 |
| Inland transport | 0.718 | 0.700 | 0.707 | 0.700 | 0.658 | 0.695 | 0.710 | 0.704 |
| Water transport | 0.176 | 0.176 | 0.178 | 0.176 | 0.114 | 0.116 | 0.116 | 0.116 |
| Air transport | 0.155 | 0.154 | 0.156 | 0.155 | 0.099 | 0.102 | 0.103 | 0.103 |
| Other supporting and auxiliary transport activities | 0.277 | 0.275 | 0.277 | 0.276 | 0.220 | 0.224 | 0.224 | 0.225 |
| Post and telecommunications | 0.875 | 0.871 | 0.875 | 0.869 | 0.838 | 0.859 | 0.858 | 0.854 |
| Financial intermediation | 0.891 | 0.894 | 0.900 | 0.896 | 0.898 | 0.944 | 0.945 | 0.943 |
| Real estate activities | 0.948 | 0.961 | 0.964 | 0.955 | 0.958 | 0.963 | 0.965 | 0.965 |
| Renting of M&Eq and other business activities | 0.870 | 0.890 | 0.900 | 0.887 | 0.881 | 0.900 | 0.899 | 0.896 |
| Public administration and defense; compulsory social security | 0.831 | 0.846 | 0.854 | 0.848 | 0.862 | 0.830 | 0.848 | 0.857 |
| Education | 0.912 | 0.925 | 0.931 | 0.911 | 0.897 | 0.911 | 0.917 | 0.919 |
| Health and social work | 0.749 | 0.756 | 0.759 | 0.757 | 0.798 | 0.793 | 0.809 | 0.818 |
| Other community, social, and personal services | 0.856 | 0.871 | 0.875 | 0.869 | 0.839 | 0.864 | 0.866 | 0.864 |
| Private households with employed persons | 1.000 | 1.000 | 1.000 | 0.998 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 5.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.041 | 0.047 | 0.047 | 0.047 | 0.053 | 0.038 | 0.034 | 0.032 |
| Mining and quarrying | 0.173 | 0.172 | 0.170 | 0.178 | 0.131 | 0.105 | 0.099 | 0.097 |
| Food, beverages, and tobacco | 0.124 | 0.131 | 0.129 | 0.131 | 0.160 | 0.126 | 0.151 | 0.150 |
| Textiles and textile products | 0.170 | 0.171 | 0.170 | 0.172 | 0.205 | 0.158 | 0.177 | 0.173 |
| Leather, leather products, and footwear | 0.169 | 0.169 | 0.168 | 0.161 | 0.200 | 0.155 | 0.147 | 0.143 |
| Wood and products of wood and cork | 0.115 | 0.117 | 0.117 | 0.119 | 0.141 | 0.107 | 0.100 | 0.098 |
| Pulp, paper, paper products, printing, and publishing | 0.132 | 0.114 | 0.114 | 0.115 | 0.138 | 0.116 | 0.113 | 0.110 |
| Coke, refined petroleum, and nuclear fuel | 0.293 | 0.292 | 0.285 | 0.288 | 0.354 | 0.287 | 0.263 | 0.259 |
| Chemicals and chemical products | 0.240 | 0.218 | 0.216 | 0.215 | 0.256 | 0.194 | 0.173 | 0.163 |
| Rubber and plastics | 0.392 | 0.369 | 0.364 | 0.365 | 0.433 | 0.346 | 0.314 | 0.305 |
| Other nonmetallic minerals | 0.216 | 0.211 | 0.209 | 0.211 | 0.235 | 0.185 | 0.175 | 0.171 |
| Basic metals and fabricated metal | 0.447 | 0.435 | 0.435 | 0.433 | 0.523 | 0.411 | 0.397 | 0.392 |
| Machinery, nec | 0.376 | 0.338 | 0.328 | 0.407 | 0.458 | 0.436 | 0.292 | 0.306 |
| Electrical and optical equipment | 0.713 | 0.320 | 0.287 | 0.271 | 0.329 | 0.217 | 0.177 | 0.144 |
| Transport equipment | 0.634 | 0.491 | 0.504 | 0.481 | 0.575 | 0.402 | 0.336 | 0.291 |
| Manufacturing, nec; recycling | 0.171 | 0.171 | 0.170 | 0.171 | 0.237 | 0.167 | 0.158 | 0.155 |
| Electricity, gas, and water supply | 0.093 | 0.097 | 0.095 | 0.098 | 0.109 | 0.080 | 0.076 | 0.072 |
| Construction | 0.391 | 0.385 | 0.380 | 0.397 | 0.363 | 0.330 | 0.294 | 0.292 |
| Sale, maintenance, and repair | 0.171 | 0.170 | 0.161 | 0.173 | 0.180 | 0.167 | 0.163 | 0.162 |
| Wholesale trade and commission trade | 0.102 | 0.119 | 0.097 | 0.104 | 0.106 | 0.088 | 0.082 | 0.081 |
| Retail trade | 0.131 | 0.130 | 0.123 | 0.133 | 0.135 | 0.138 | 0.106 | 0.105 |
| Hotels and restaurants | 0.153 | 0.143 | 0.140 | 0.147 | 0.167 | 0.128 | 0.122 | 0.118 |
| Inland transport | 0.253 | 0.233 | 0.227 | 0.228 | 0.254 | 0.198 | 0.171 | 0.166 |
| Water transport | 0.801 | 0.806 | 0.805 | 0.804 | 0.866 | 0.860 | 0.858 | 0.855 |
| Air transport | 0.822 | 0.828 | 0.827 | 0.827 | 0.882 | 0.875 | 0.872 | 0.869 |
| Other supporting and auxiliary transport activities | 0.700 | 0.703 | 0.702 | 0.701 | 0.755 | 0.745 | 0.742 | 0.739 |
| Post and telecommunications | 0.098 | 0.102 | 0.099 | 0.103 | 0.128 | 0.100 | 0.095 | 0.092 |
| Financial intermediation | 0.075 | 0.093 | 0.088 | 0.093 | 0.089 | 0.043 | 0.042 | 0.042 |
| Real estate activities | 0.029 | 0.035 | 0.032 | 0.040 | 0.037 | 0.031 | 0.028 | 0.027 |
| Renting of M&Eq and other business activities | 0.103 | 0.089 | 0.080 | 0.094 | 0.097 | 0.074 | 0.071 | 0.071 |
| Public administration and defense; compulsory social security | 0.140 | 0.128 | 0.122 | 0.133 | 0.116 | 0.138 | 0.116 | 0.105 |
| Education | 0.063 | 0.062 | 0.058 | 0.080 | 0.093 | 0.072 | 0.064 | 0.060 |
| Health and social work | 0.226 | 0.212 | 0.212 | 0.222 | 0.175 | 0.170 | 0.148 | 0.134 |
| Other community, social, and personal services | 0.105 | 0.110 | 0.107 | 0.113 | 0.139 | 0.108 | 0.101 | 0.099 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 5.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.097 | 1.112 | 1.114 | 1.113 | 1.104 | 1.110 | 1.103 | 1.098 |
| Mining and quarrying | 1.243 | 1.236 | 1.236 | 1.243 | 1.304 | 1.320 | 1.318 | 1.309 |
| Food, beverages, and tobacco | 1.735 | 1.763 | 1.774 | 1.761 | 1.722 | 1.753 | 1.707 | 1.698 |
| Textiles and textile products | 1.530 | 1.525 | 1.536 | 1.524 | 1.440 | 1.480 | 1.432 | 1.422 |
| Leather, leather products, and footwear | 1.531 | 1.524 | 1.535 | 1.525 | 1.440 | 1.475 | 1.469 | 1.457 |
| Wood and products of wood and cork | 1.616 | 1.615 | 1.629 | 1.625 | 1.562 | 1.573 | 1.563 | 1.549 |
| Pulp, paper, paper products, printing, and publishing | 1.604 | 1.599 | 1.615 | 1.609 | 1.541 | 1.532 | 1.510 | 1.490 |
| Coke, refined petroleum, and nuclear fuel | 1.349 | 1.343 | 1.352 | 1.345 | 1.239 | 1.320 | 1.341 | 1.334 |
| Chemicals and chemical products | 1.303 | 1.272 | 1.280 | 1.270 | 1.174 | 1.224 | 1.224 | 1.211 |
| Rubber and plastics | 1.483 | 1.449 | 1.460 | 1.447 | 1.303 | 1.394 | 1.413 | 1.399 |
| Other nonmetallic minerals | 1.457 | 1.442 | 1.443 | 1.434 | 1.378 | 1.432 | 1.427 | 1.418 |
| Basic metals and fabricated metal | 1.214 | 1.203 | 1.207 | 1.203 | 1.044 | 1.204 | 1.214 | 1.209 |
| Machinery, nec | 1.201 | 1.120 | 1.157 | 1.000 | 1.276 | 1.264 | 1.453 | 1.390 |
| Electrical and optical equipment | 1.080 | 1.059 | 1.137 | 1.128 | 1.000 | 1.090 | 1.089 | 1.071 |
| Transport equipment | 1.305 | 1.226 | 1.241 | 1.227 | 1.008 | 1.160 | 1.171 | 1.142 |
| Manufacturing, nec; recycling | 1.437 | 1.432 | 1.444 | 1.439 | 1.343 | 1.413 | 1.410 | 1.400 |
| Electricity, gas, and water supply | 1.177 | 1.181 | 1.181 | 1.181 | 1.157 | 1.181 | 1.170 | 1.161 |
| Construction | 1.469 | 1.449 | 1.456 | 1.459 | 1.466 | 1.573 | 1.631 | 1.625 |
| Sale, maintenance, and repair | 1.399 | 1.381 | 1.386 | 1.387 | 1.363 | 1.381 | 1.379 | 1.374 |
| Wholesale trade and commission trade | 1.238 | 1.210 | 1.233 | 1.234 | 1.219 | 1.242 | 1.239 | 1.233 |
| Retail trade | 1.306 | 1.292 | 1.296 | 1.297 | 1.279 | 1.269 | 1.308 | 1.302 |
| Hotels and restaurants | 1.707 | 1.673 | 1.688 | 1.674 | 1.634 | 1.669 | 1.654 | 1.628 |
| Inland transport | 1.378 | 1.338 | 1.344 | 1.336 | 1.243 | 1.284 | 1.309 | 1.297 |
| Water transport | 1.099 | 1.097 | 1.098 | 1.097 | 1.000 | 1.000 | 1.000 | 1.000 |
| Air transport | 1.102 | 1.100 | 1.101 | 1.100 | 1.015 | 1.017 | 1.018 | 1.018 |
| Other supporting and auxiliary transport activities | 1.086 | 1.083 | 1.084 | 1.083 | 1.007 | 1.008 | 1.008 | 1.008 |
| Post and telecommunications | 1.282 | 1.276 | 1.280 | 1.278 | 1.241 | 1.237 | 1.258 | 1.250 |
| Financial intermediation | 1.603 | 1.584 | 1.588 | 1.591 | 1.592 | 1.330 | 1.330 | 1.325 |
| Real estate activities | 1.096 | 1.119 | 1.118 | 1.123 | 1.120 | 1.120 | 1.123 | 1.118 |
| Renting of M&Eq and other business activities | 1.304 | 1.316 | 1.324 | 1.313 | 1.307 | 1.315 | 1.313 | 1.304 |
| Public administration and defense; compulsory social security | 1.361 | 1.364 | 1.369 | 1.383 | 1.395 | 1.511 | 1.480 | 1.425 |
| Education | 1.209 | 1.216 | 1.218 | 1.204 | 1.220 | 1.334 | 1.318 | 1.291 |
| Health and social work | 1.151 | 1.148 | 1.151 | 1.156 | 1.223 | 1.337 | 1.321 | 1.288 |
| Other community, social, and personal services | 1.232 | 1.242 | 1.244 | 1.244 | 1.222 | 1.271 | 1.272 | 1.264 |
| Private households with employed persons | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

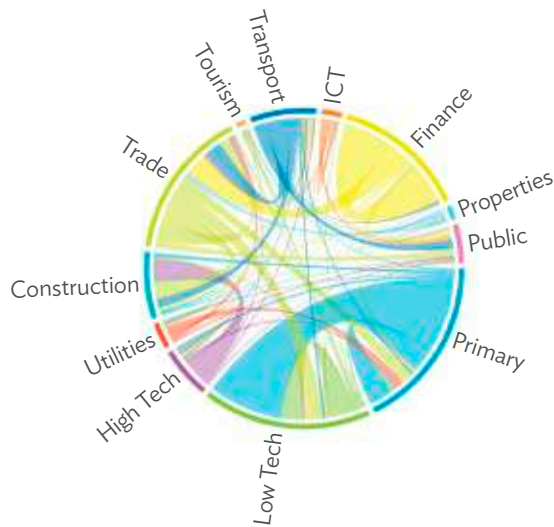
Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

5.2

Lao People's Democratic Republic

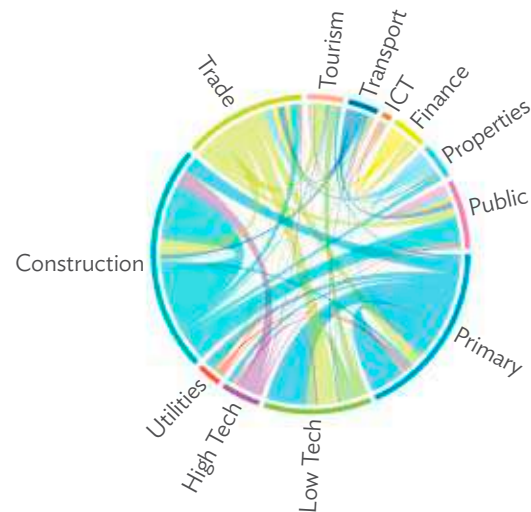
Figure 5.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

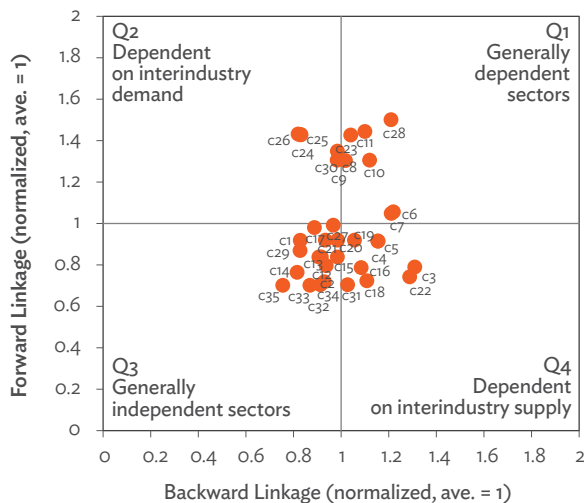
Figure 5.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

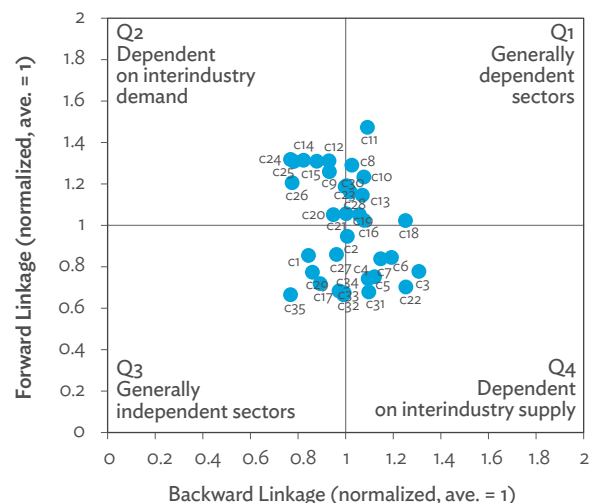
Figure 5.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.2.2b: Backward and Forward Linkages by Industry, 2017

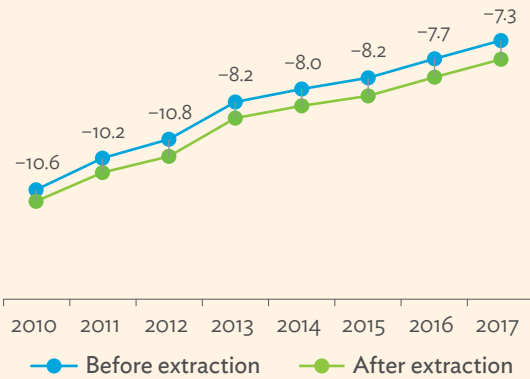


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Box 5: Hypothetical Extraction of Food, Beverages, and Tobacco Industry in the Lao People's Democratic Republic

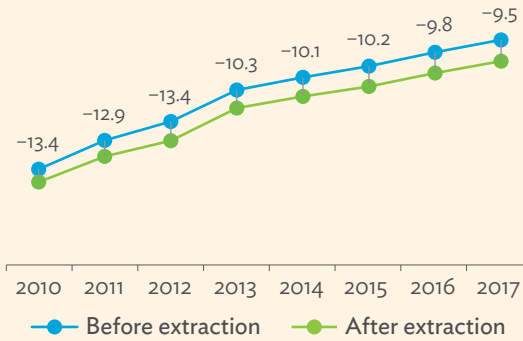
Figure 5.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

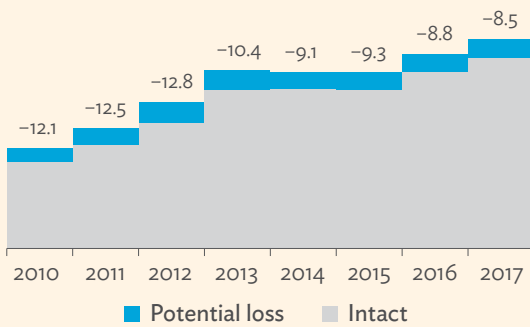
Figure 5.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

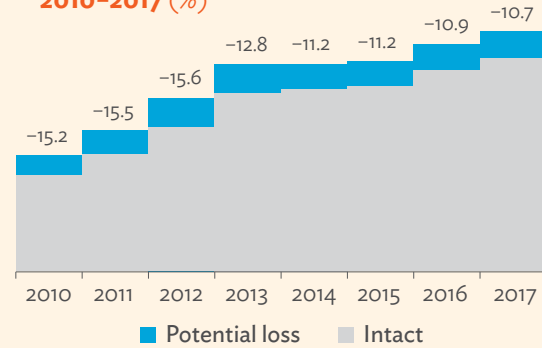
Figure 5.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

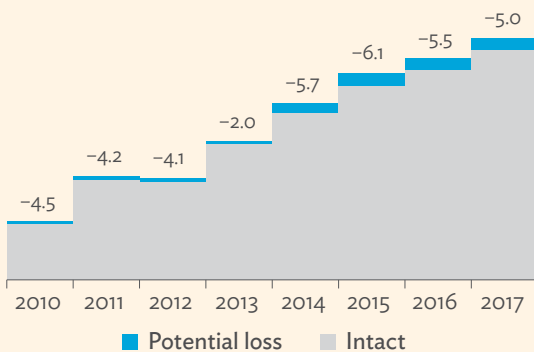
Figure 5.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

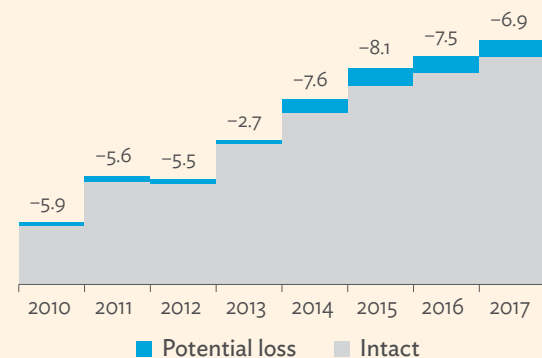
Figure 5.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 5.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.828 | 0.847 | 0.842 | 0.846 | 0.867 | 0.848 | 0.839 | 0.844 |
| Mining and quarrying | 0.938 | 0.940 | 0.934 | 0.945 | 1.024 | 1.008 | 1.003 | 1.007 |
| Food, beverages, and tobacco | 1.309 | 1.342 | 1.341 | 1.339 | 1.352 | 1.339 | 1.300 | 1.306 |
| Textiles and textile products | 1.154 | 1.161 | 1.161 | 1.158 | 1.130 | 1.130 | 1.090 | 1.094 |
| Leather, leather products, and footwear | 1.155 | 1.160 | 1.160 | 1.160 | 1.130 | 1.126 | 1.118 | 1.121 |
| Wood and products of wood and cork | 1.219 | 1.229 | 1.231 | 1.236 | 1.226 | 1.202 | 1.190 | 1.192 |
| Pulp, paper, paper products, printing, and publishing | 1.210 | 1.217 | 1.220 | 1.223 | 1.210 | 1.170 | 1.150 | 1.146 |
| Coke, refined petroleum, and nuclear fuel | 1.018 | 1.022 | 1.021 | 1.022 | 0.973 | 1.009 | 1.021 | 1.026 |
| Chemicals and chemical products | 0.983 | 0.968 | 0.968 | 0.966 | 0.921 | 0.935 | 0.932 | 0.931 |
| Rubber and plastics | 1.119 | 1.103 | 1.103 | 1.100 | 1.023 | 1.065 | 1.076 | 1.076 |
| Other nonmetallic minerals | 1.100 | 1.097 | 1.090 | 1.090 | 1.082 | 1.094 | 1.087 | 1.091 |
| Basic metals and fabricated metal | 0.916 | 0.916 | 0.912 | 0.915 | 0.819 | 0.919 | 0.924 | 0.930 |
| Machinery, nec | 0.906 | 0.852 | 0.874 | 0.760 | 1.002 | 0.966 | 1.106 | 1.069 |
| Electrical and optical equipment | 0.815 | 0.806 | 0.859 | 0.857 | 0.785 | 0.833 | 0.829 | 0.824 |
| Transport equipment | 0.985 | 0.933 | 0.938 | 0.933 | 0.792 | 0.886 | 0.891 | 0.878 |
| Manufacturing, nec; recycling | 1.084 | 1.090 | 1.091 | 1.094 | 1.055 | 1.079 | 1.074 | 1.077 |
| Electricity, gas, and water supply | 0.888 | 0.899 | 0.892 | 0.898 | 0.909 | 0.902 | 0.891 | 0.893 |
| Construction | 1.108 | 1.103 | 1.100 | 1.109 | 1.151 | 1.202 | 1.242 | 1.250 |
| Sale, maintenance, and repair | 1.056 | 1.051 | 1.047 | 1.055 | 1.070 | 1.055 | 1.050 | 1.057 |
| Wholesale trade and commission trade | 0.934 | 0.921 | 0.932 | 0.938 | 0.957 | 0.948 | 0.943 | 0.948 |
| Retail trade | 0.985 | 0.983 | 0.979 | 0.986 | 1.004 | 0.969 | 0.996 | 1.001 |
| Hotels and restaurants | 1.288 | 1.273 | 1.276 | 1.273 | 1.283 | 1.275 | 1.259 | 1.252 |
| Inland transport | 1.040 | 1.019 | 1.015 | 1.016 | 0.975 | 0.981 | 0.996 | 0.997 |
| Water transport | 0.829 | 0.835 | 0.830 | 0.834 | 0.785 | 0.764 | 0.761 | 0.769 |
| Air transport | 0.832 | 0.837 | 0.832 | 0.836 | 0.797 | 0.777 | 0.775 | 0.783 |
| Other supporting and auxiliary transport activities | 0.819 | 0.824 | 0.819 | 0.824 | 0.791 | 0.770 | 0.767 | 0.775 |
| Post and telecommunications | 0.967 | 0.971 | 0.967 | 0.972 | 0.974 | 0.945 | 0.958 | 0.961 |
| Financial intermediation | 1.210 | 1.206 | 1.200 | 1.210 | 1.250 | 1.016 | 1.012 | 1.019 |
| Real estate activities | 0.827 | 0.851 | 0.845 | 0.854 | 0.879 | 0.855 | 0.855 | 0.860 |
| Renting of M&Eq and other business activities | 0.984 | 1.002 | 1.000 | 0.998 | 1.026 | 1.005 | 1.000 | 1.003 |
| Public administration and defense; compulsory social security | 1.027 | 1.038 | 1.034 | 1.052 | 1.095 | 1.154 | 1.127 | 1.096 |
| Education | 0.912 | 0.925 | 0.920 | 0.915 | 0.958 | 1.019 | 1.004 | 0.993 |
| Health and social work | 0.869 | 0.874 | 0.869 | 0.879 | 0.960 | 1.021 | 1.006 | 0.991 |
| Other community, social, and personal services | 0.929 | 0.945 | 0.940 | 0.946 | 0.959 | 0.971 | 0.969 | 0.972 |
| Private households with employed persons | 0.755 | 0.761 | 0.756 | 0.760 | 0.785 | 0.764 | 0.761 | 0.769 |

lowest linkage  highest linkage


M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 5.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.916 | 0.948 | 0.997 | 0.909 | 0.917 | 0.876 | 0.853 | 0.848 |
| Mining and quarrying | 0.790 | 0.752 | 0.794 | 0.770 | 0.996 | 0.899 | 0.925 | 0.943 |
| Food, beverages, and tobacco | 0.783 | 0.822 | 0.856 | 0.797 | 0.824 | 0.789 | 0.772 | 0.770 |
| Textiles and textile products | 0.912 | 0.886 | 0.939 | 0.869 | 0.795 | 0.721 | 0.724 | 0.733 |
| Leather, leather products, and footwear | 0.912 | 0.886 | 0.940 | 0.875 | 0.806 | 0.734 | 0.735 | 0.743 |
| Wood and products of wood and cork | 1.057 | 0.990 | 1.088 | 1.061 | 0.912 | 0.806 | 0.825 | 0.839 |
| Pulp, paper, paper products, printing, and publishing | 1.049 | 0.990 | 1.088 | 1.061 | 0.905 | 0.799 | 0.818 | 0.832 |
| Coke, refined petroleum, and nuclear fuel | 1.311 | 1.290 | 1.350 | 1.249 | 1.339 | 1.312 | 1.304 | 1.295 |
| Chemicals and chemical products | 1.313 | 1.290 | 1.358 | 1.249 | 1.308 | 1.274 | 1.269 | 1.263 |
| Rubber and plastics | 1.313 | 1.290 | 1.355 | 1.249 | 1.284 | 1.246 | 1.242 | 1.237 |
| Other nonmetallic minerals | 1.456 | 1.447 | 1.454 | 1.462 | 1.339 | 1.473 | 1.481 | 1.482 |
| Basic metals and fabricated metal | 0.833 | 0.958 | 0.942 | 0.987 | 1.071 | 1.308 | 1.317 | 1.317 |
| Machinery, nec | 0.833 | 0.958 | 0.943 | 0.987 | 0.944 | 1.138 | 1.147 | 1.146 |
| Electrical and optical equipment | 0.756 | 0.958 | 0.943 | 0.987 | 1.069 | 1.312 | 1.321 | 1.320 |
| Transport equipment | 0.833 | 0.958 | 0.943 | 0.987 | 1.064 | 1.308 | 1.316 | 1.314 |
| Manufacturing, nec; recycling | 0.780 | 0.841 | 0.839 | 0.833 | 0.916 | 1.027 | 1.024 | 1.022 |
| Electricity, gas, and water supply | 0.979 | 0.937 | 1.006 | 0.987 | 0.787 | 0.665 | 0.690 | 0.709 |
| Construction | 0.715 | 0.751 | 0.742 | 0.810 | 0.765 | 0.976 | 1.003 | 1.021 |
| Sale, maintenance, and repair | 0.917 | 0.974 | 1.006 | 0.959 | 1.033 | 1.072 | 1.060 | 1.050 |
| Wholesale trade and commission trade | 0.917 | 0.974 | 1.006 | 0.959 | 1.033 | 1.072 | 1.061 | 1.050 |
| Retail trade | 0.917 | 0.974 | 1.006 | 0.960 | 1.037 | 1.077 | 1.065 | 1.055 |
| Hotels and restaurants | 0.734 | 0.712 | 0.735 | 0.692 | 0.732 | 0.696 | 0.689 | 0.692 |
| Inland transport | 1.438 | 1.376 | 1.649 | 1.403 | 1.242 | 1.183 | 1.188 | 1.189 |
| Water transport | 1.439 | 1.377 | 0.935 | 1.403 | 1.360 | 1.317 | 1.320 | 1.323 |
| Air transport | 1.440 | 1.377 | 0.922 | 1.403 | 1.351 | 1.307 | 1.315 | 1.314 |
| Other supporting and auxiliary transport activities | 1.443 | 1.379 | 0.999 | 1.403 | 1.255 | 1.196 | 1.206 | 1.209 |
| Post and telecommunications | 0.990 | 0.936 | 0.984 | 0.914 | 0.956 | 0.883 | 0.868 | 0.853 |
| Financial intermediation | 1.514 | 1.423 | 1.479 | 1.385 | 1.372 | 1.214 | 1.190 | 1.162 |
| Real estate activities | 0.865 | 0.823 | 0.866 | 0.796 | 0.851 | 0.790 | 0.775 | 0.765 |
| Renting of M&Eq and other business activities | 1.359 | 1.342 | 1.393 | 1.290 | 1.305 | 1.243 | 1.220 | 1.193 |
| Public administration and defense; compulsory social security | 0.695 | 0.693 | 0.694 | 0.679 | 0.700 | 0.668 | 0.664 | 0.667 |
| Education | 0.695 | 0.683 | 0.692 | 0.667 | 0.690 | 0.660 | 0.658 | 0.664 |
| Health and social work | 0.693 | 0.661 | 0.678 | 0.645 | 0.671 | 0.644 | 0.644 | 0.654 |
| Other community, social, and personal services | 0.710 | 0.683 | 0.702 | 0.666 | 0.702 | 0.671 | 0.667 | 0.672 |
| Private households with employed persons | 0.693 | 0.661 | 0.678 | 0.645 | 0.671 | 0.644 | 0.644 | 0.654 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

5.3

Lao People's Democratic Republic

Figure 5.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)

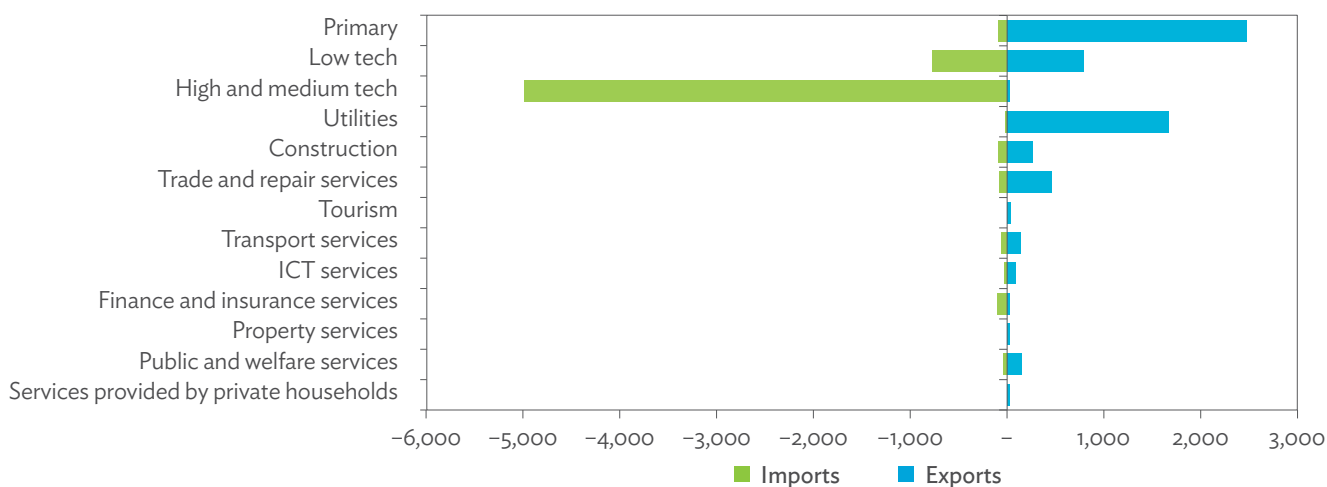


GDP = gross domestic product.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.3.2: Total Foreign Trade by Sector, 2017 (\$ million)

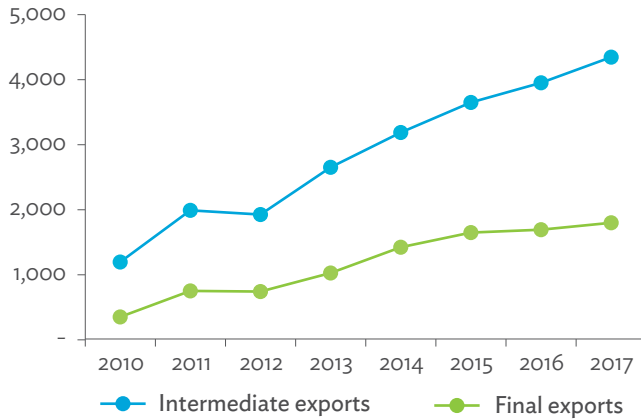


\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

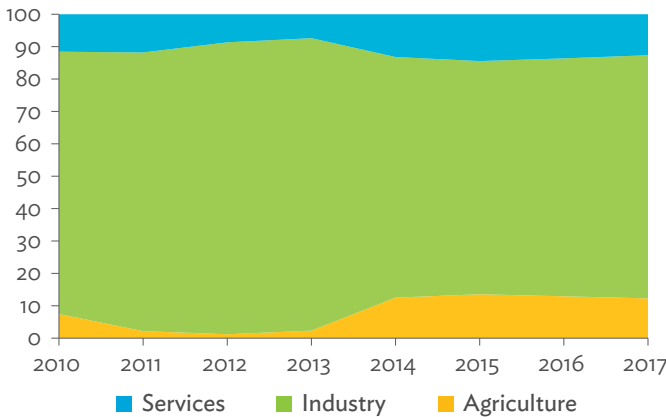
Figure 5.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

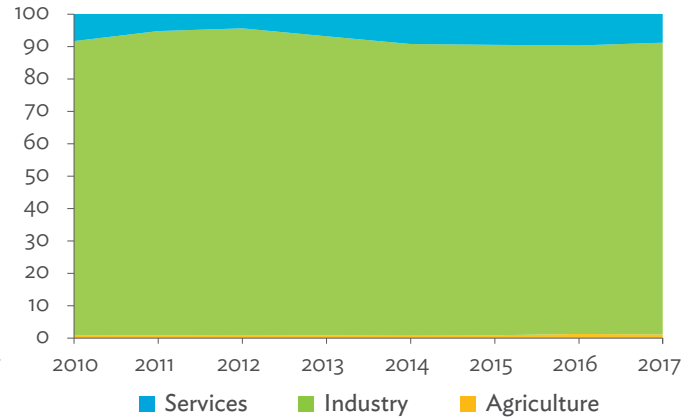
Figure 5.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

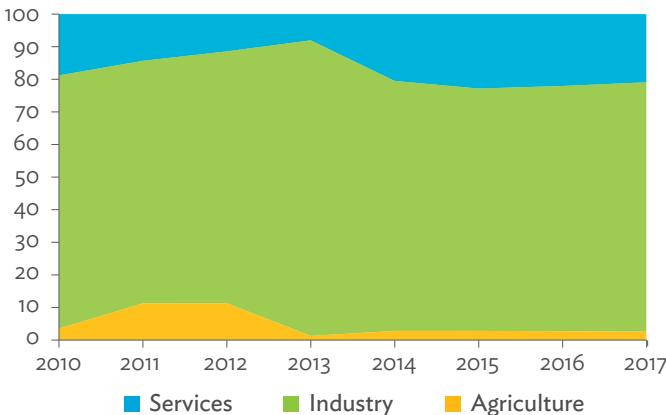
Figure 5.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

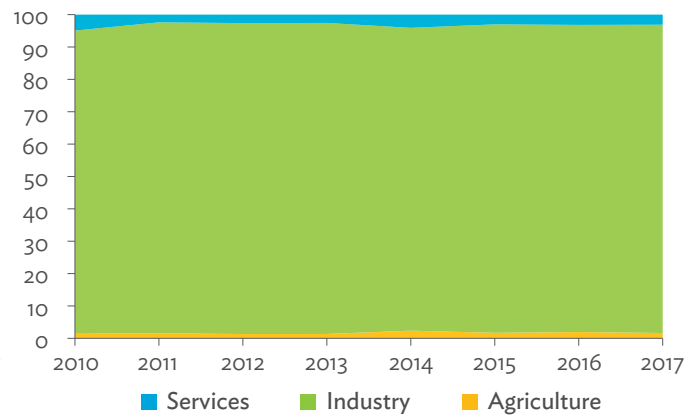
Figure 5.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

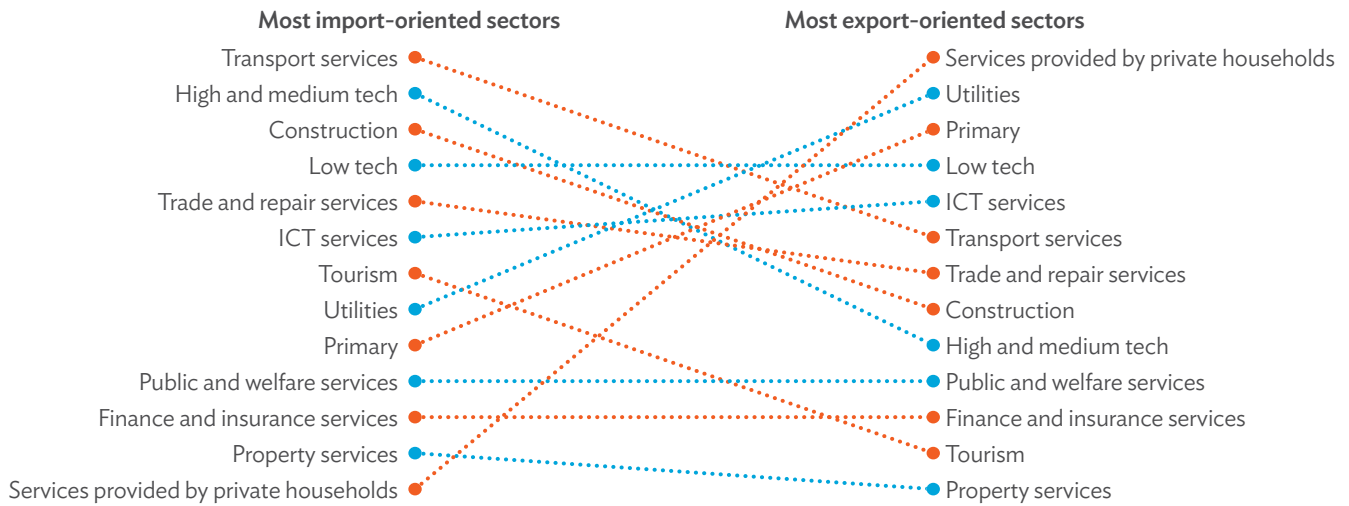
Figure 5.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

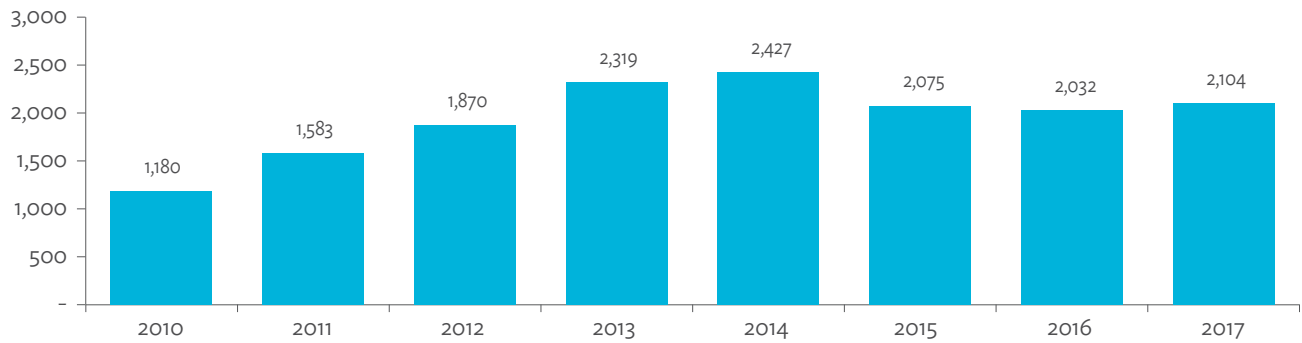
Figure 5.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

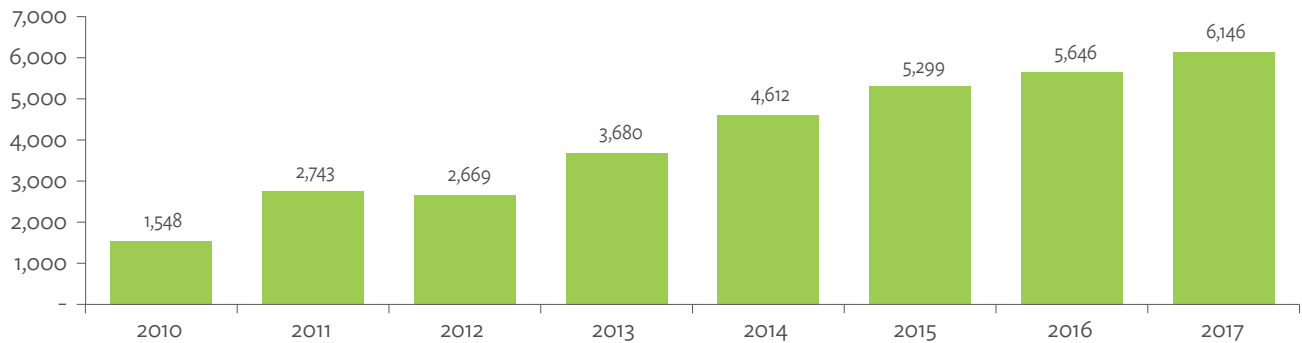
Figure 5.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

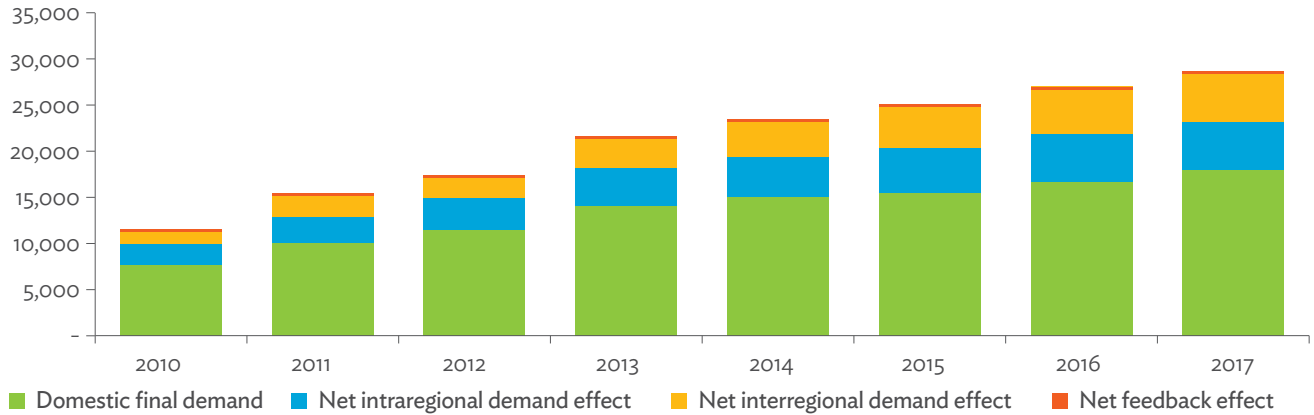
Figure 5.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

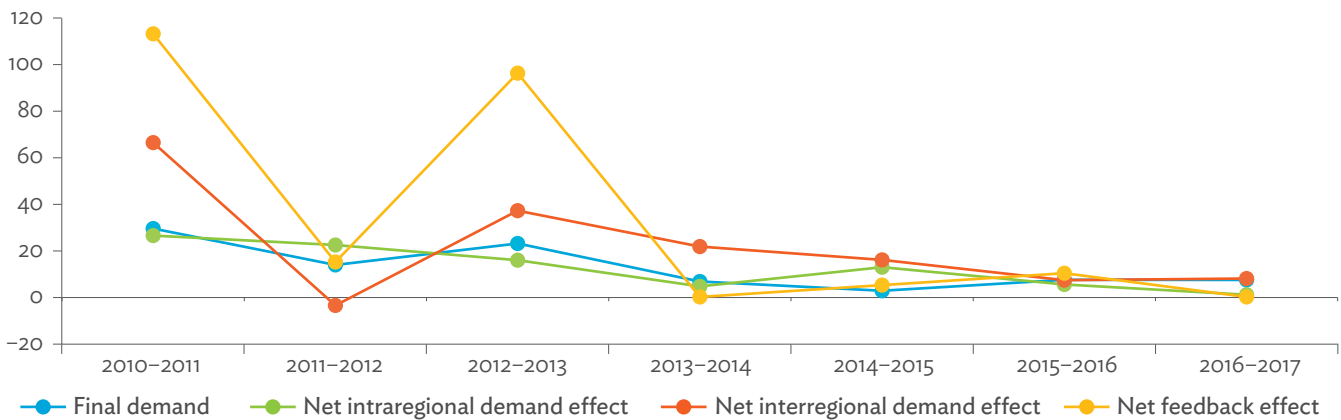


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

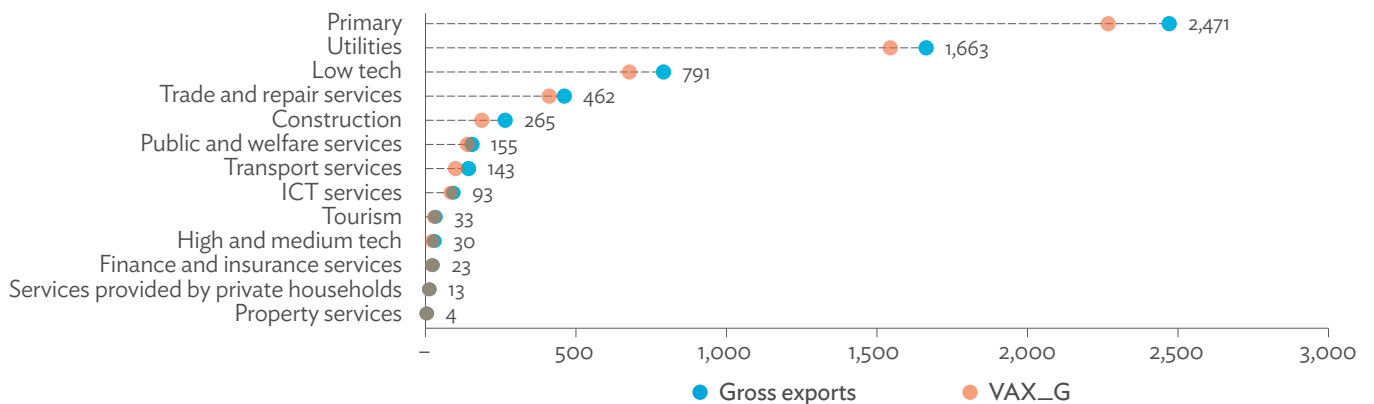
Figure 5.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

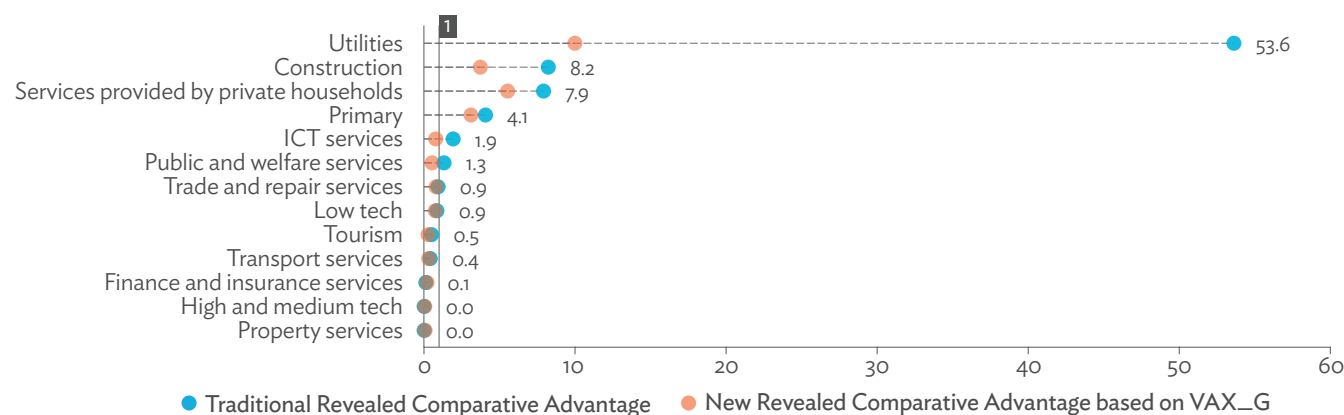


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 5.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Final demand | | | | | | | | |
| Primary | 2,364 | 2,768 | 2,891 | 4,247 | 3,798 | 3,806 | 4,064 | 4,309 |
| Low tech | 2,324 | 3,242 | 3,920 | 3,921 | 4,809 | 4,649 | 5,158 | 5,805 |
| High and medium tech | 113 | 107 | 129 | 117 | 134 | 118 | 132 | 152 |
| Business service | 2,019 | 2,558 | 2,868 | 3,355 | 3,584 | 3,811 | 4,072 | 4,320 |
| Personal service | 925 | 1,365 | 1,638 | 2,462 | 2,748 | 3,129 | 3,267 | 3,368 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 565 | 694 | 848 | 948 | 1,320 | 1,021 | 1,080 | 1,106 |
| Low tech | 307 | 683 | 850 | 1,154 | 775 | 1,508 | 1,693 | 1,796 |
| High and medium tech | 189 | 251 | 309 | 285 | 296 | 318 | 337 | 346 |
| Business service | 1,230 | 1,229 | 1,517 | 1,640 | 1,837 | 1,948 | 1,973 | 1,925 |
| Personal service | 4 | 50 | 38 | 106 | 103 | 101 | 89 | 61 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 5.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 881 | 1,315 | 1,349 | 2,171 | 2,254 | 2,265 | 2,328 | 2,364 |
| Low tech | 327 | 744 | 717 | 736 | 1,107 | 1,499 | 1,783 | 2,166 |
| High and medium tech | 24 | 40 | 38 | 40 | 58 | 91 | 93 | 93 |
| Business service | 285 | 369 | 317 | 342 | 602 | 807 | 806 | 810 |
| Personal service | 1 | 60 | 21 | 63 | 65 | 85 | 91 | 84 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 0.03 | 0.05 | 0.06 | 0.15 | 0.12 | 0.11 | 0.12 | 0.11 |
| Low tech | 0.01 | 0.02 | 0.03 | 0.03 | 0.05 | 0.06 | 0.08 | 0.09 |
| High and medium tech | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Business service | 0.01 | 0.01 | 0.01 | 0.02 | 0.03 | 0.04 | 0.04 | 0.03 |
| Personal service | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 5.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0972 | 0.1124 | 0.1139 | 0.1127 | 0.1037 | 0.1103 | 0.1027 | 0.0975 |
| Mining and quarrying | 0.2425 | 0.2355 | 0.2356 | 0.2426 | 0.3038 | 0.3195 | 0.3177 | 0.3087 |
| Food, beverages, and tobacco | 0.7353 | 0.7634 | 0.7741 | 0.7607 | 0.7224 | 0.7529 | 0.7071 | 0.6980 |
| Textiles and textile products | 0.5300 | 0.5252 | 0.5359 | 0.5236 | 0.4397 | 0.4796 | 0.4323 | 0.4218 |
| Leather, leather products, and footwear | 0.5308 | 0.5240 | 0.5349 | 0.5254 | 0.4399 | 0.4748 | 0.4691 | 0.4569 |
| Wood and products of wood and cork | 0.6159 | 0.6145 | 0.6288 | 0.6251 | 0.5618 | 0.5732 | 0.5629 | 0.5494 |
| Pulp, paper, paper products, printing, and publishing | 0.6038 | 0.5992 | 0.6150 | 0.6088 | 0.5408 | 0.5315 | 0.5100 | 0.4900 |
| Coke, refined petroleum, and nuclear fuel | 0.3492 | 0.3429 | 0.3515 | 0.3446 | 0.2393 | 0.3204 | 0.3405 | 0.3338 |
| Chemicals and chemical products | 0.3032 | 0.2719 | 0.2803 | 0.2700 | 0.1736 | 0.2243 | 0.2244 | 0.2108 |
| Rubber and plastics | 0.4834 | 0.4490 | 0.4597 | 0.4470 | 0.3027 | 0.3940 | 0.4129 | 0.3986 |
| Other nonmetallic minerals | 0.4572 | 0.4415 | 0.4430 | 0.4335 | 0.3778 | 0.4318 | 0.4274 | 0.4179 |
| Basic metals and fabricated metal | 0.2143 | 0.2034 | 0.2069 | 0.2032 | 0.0438 | 0.2037 | 0.2136 | 0.2092 |
| Machinery, nec | 0.2014 | 0.1197 | 0.1566 | 0.0000 | 0.2758 | 0.2644 | 0.4528 | 0.3902 |
| Electrical and optical equipment | 0.0802 | 0.0587 | 0.1367 | 0.1276 | 0.0002 | 0.0901 | 0.0887 | 0.0709 |
| Transport equipment | 0.3049 | 0.2263 | 0.2406 | 0.2267 | 0.0082 | 0.1596 | 0.1709 | 0.1420 |
| Manufacturing, nec; recycling | 0.4367 | 0.4325 | 0.4438 | 0.4392 | 0.3433 | 0.4128 | 0.4101 | 0.4000 |
| Electricity, gas, and water supply | 0.1769 | 0.1810 | 0.1808 | 0.1812 | 0.1572 | 0.1814 | 0.1704 | 0.1607 |
| Construction | 0.4690 | 0.4489 | 0.4558 | 0.4591 | 0.4664 | 0.5734 | 0.6308 | 0.6248 |
| Sale, maintenance, and repair | 0.3991 | 0.3808 | 0.3856 | 0.3872 | 0.3634 | 0.3809 | 0.3791 | 0.3742 |
| Wholesale trade and commission trade | 0.2382 | 0.2100 | 0.2331 | 0.2343 | 0.2190 | 0.2417 | 0.2387 | 0.2327 |
| Retail trade | 0.3056 | 0.2921 | 0.2961 | 0.2974 | 0.2790 | 0.2686 | 0.3080 | 0.3020 |
| Hotels and restaurants | 0.7073 | 0.6727 | 0.6881 | 0.6740 | 0.6343 | 0.6693 | 0.6538 | 0.6277 |
| Inland transport | 0.3783 | 0.3383 | 0.3437 | 0.3363 | 0.2425 | 0.2842 | 0.3085 | 0.2969 |
| Water transport | 0.0991 | 0.0968 | 0.0981 | 0.0972 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Air transport | 0.1021 | 0.0998 | 0.1011 | 0.1002 | 0.0146 | 0.0170 | 0.0178 | 0.0176 |
| Other supporting and auxiliary transport activities | 0.0856 | 0.0829 | 0.0840 | 0.0831 | 0.0071 | 0.0082 | 0.0079 | 0.0078 |
| Post and telecommunications | 0.2817 | 0.2762 | 0.2803 | 0.2781 | 0.2408 | 0.2372 | 0.2582 | 0.2495 |
| Financial intermediation | 0.6030 | 0.5840 | 0.5882 | 0.5909 | 0.5918 | 0.3296 | 0.3296 | 0.3246 |
| Real estate activities | 0.0964 | 0.1187 | 0.1176 | 0.1231 | 0.1197 | 0.1200 | 0.1231 | 0.1184 |
| Renting of M&Eq and other business activities | 0.3043 | 0.3164 | 0.3238 | 0.3129 | 0.3070 | 0.3153 | 0.3131 | 0.3039 |
| Public administration and defense; compulsory social security | 0.3608 | 0.3636 | 0.3688 | 0.3832 | 0.3951 | 0.5113 | 0.4804 | 0.4254 |
| Education | 0.2092 | 0.2160 | 0.2180 | 0.2038 | 0.2204 | 0.3337 | 0.3183 | 0.2912 |
| Health and social work | 0.1512 | 0.1481 | 0.1505 | 0.1555 | 0.2230 | 0.3372 | 0.3210 | 0.2882 |
| Other community, social, and personal services | 0.2318 | 0.2422 | 0.2441 | 0.2444 | 0.2219 | 0.2710 | 0.2722 | 0.2636 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 5.3.4: Net Interregional Multipliers (M₂), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.1061 | 0.1254 | 0.1252 | 0.1279 | 0.1431 | 0.1050 | 0.0930 | 0.0888 |
| Mining and quarrying | 0.4597 | 0.4676 | 0.4633 | 0.4952 | 0.3639 | 0.2973 | 0.2826 | 0.2737 |
| Food, beverages, and tobacco | 0.3191 | 0.3438 | 0.3438 | 0.3459 | 0.4220 | 0.3374 | 0.4025 | 0.4013 |
| Textiles and textile products | 0.4566 | 0.4664 | 0.4667 | 0.4764 | 0.5703 | 0.4439 | 0.4993 | 0.4892 |
| Leather, leather products, and footwear | 0.4523 | 0.4612 | 0.4616 | 0.4470 | 0.5583 | 0.4378 | 0.4153 | 0.4059 |
| Wood and products of wood and cork | 0.2956 | 0.3071 | 0.3137 | 0.3173 | 0.3771 | 0.2928 | 0.2742 | 0.2682 |
| Pulp, paper, paper products, printing, and publishing | 0.3416 | 0.3012 | 0.3052 | 0.3095 | 0.3695 | 0.3140 | 0.3062 | 0.2980 |
| Coke, refined petroleum, and nuclear fuel | 0.7577 | 0.7733 | 0.7593 | 0.7779 | 0.9562 | 0.7957 | 0.7337 | 0.7219 |
| Chemicals and chemical products | 0.6250 | 0.5798 | 0.5784 | 0.5741 | 0.6774 | 0.5268 | 0.4691 | 0.4485 |
| Rubber and plastics | 1.0217 | 0.9820 | 0.9734 | 0.9741 | 1.1467 | 0.9370 | 0.8500 | 0.8346 |
| Other nonmetallic minerals | 0.5661 | 0.5647 | 0.5635 | 0.5638 | 0.6187 | 0.4973 | 0.4621 | 0.4763 |
| Basic metals and fabricated metal | 1.2349 | 1.2290 | 1.2405 | 1.2450 | 1.5148 | 1.2011 | 1.1669 | 1.1497 |
| Machinery, nec | 1.0491 | 0.8675 | 0.8863 | 1.1986 | 1.1239 | 1.0940 | 0.7869 | 0.8161 |
| Electrical and optical equipment | 1.8363 | 0.8775 | 0.8175 | 0.7814 | 0.9577 | 0.6359 | 0.5208 | 0.4226 |
| Transport equipment | 1.7324 | 1.3746 | 1.4303 | 1.3783 | 1.6624 | 1.1715 | 0.9828 | 0.8440 |
| Manufacturing, nec; recycling | 0.4569 | 0.4643 | 0.4705 | 0.4712 | 0.6536 | 0.4664 | 0.4442 | 0.4349 |
| Electricity, gas, and water supply | 0.2481 | 0.2641 | 0.2611 | 0.2705 | 0.3009 | 0.2247 | 0.2133 | 0.2017 |
| Construction | 1.0484 | 1.0490 | 1.0465 | 1.1096 | 1.0118 | 0.9349 | 0.8368 | 0.8320 |
| Sale, maintenance, and repair | 0.4500 | 0.4597 | 0.4378 | 0.4696 | 0.4810 | 0.4571 | 0.4445 | 0.4401 |
| Wholesale trade and commission trade | 0.2532 | 0.2965 | 0.2491 | 0.2680 | 0.2631 | 0.2245 | 0.2085 | 0.2061 |
| Retail trade | 0.3426 | 0.3497 | 0.3329 | 0.3602 | 0.3618 | 0.3778 | 0.2921 | 0.2889 |
| Hotels and restaurants | 0.3824 | 0.3748 | 0.3709 | 0.3882 | 0.4355 | 0.3428 | 0.3245 | 0.3153 |
| Inland transport | 0.6609 | 0.6190 | 0.6158 | 0.6142 | 0.6854 | 0.5434 | 0.4715 | 0.4566 |
| Water transport | 2.0254 | 2.1189 | 2.1189 | 2.1499 | 2.3256 | 2.3682 | 2.3733 | 2.3638 |
| Air transport | 2.0465 | 2.1496 | 2.1454 | 2.1615 | 2.3357 | 2.3744 | 2.3731 | 2.3660 |
| Other supporting and auxiliary transport activities | 1.8142 | 1.8675 | 1.8712 | 1.8786 | 2.0124 | 2.0389 | 2.0414 | 2.0305 |
| Post and telecommunications | 0.2429 | 0.2649 | 0.2598 | 0.2666 | 0.3275 | 0.2596 | 0.2466 | 0.2404 |
| Financial intermediation | 0.1743 | 0.2217 | 0.2084 | 0.2158 | 0.2040 | 0.0998 | 0.0957 | 0.0952 |
| Real estate activities | 0.0739 | 0.0933 | 0.0863 | 0.1095 | 0.0992 | 0.0847 | 0.0780 | 0.0743 |
| Renting of M&Eq and other business activities | 0.2632 | 0.2363 | 0.2136 | 0.2503 | 0.2559 | 0.1983 | 0.1918 | 0.1917 |
| Public administration and defense; compulsory social security | 0.3503 | 0.3372 | 0.3221 | 0.3586 | 0.3057 | 0.3758 | 0.3180 | 0.2873 |
| Education | 0.1585 | 0.1637 | 0.1540 | 0.2088 | 0.2385 | 0.1958 | 0.1745 | 0.1641 |
| Health and social work | 0.5939 | 0.5698 | 0.5710 | 0.6081 | 0.4765 | 0.4754 | 0.4174 | 0.3755 |
| Other community, social, and personal services | 0.2733 | 0.2950 | 0.2886 | 0.3054 | 0.3535 | 0.2811 | 0.2601 | 0.2731 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0038 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 5.3.5: Net Feedback Multipliers (M3), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mining and quarrying | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Food, beverages, and tobacco | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Textiles and textile products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Leather, leather products, and footwear | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Pulp, paper, paper products, printing, and publishing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Coke, refined petroleum, and nuclear fuel | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Chemicals and chemical products | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Rubber and plastics | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other nonmetallic minerals | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Basic metals and fabricated metal | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0000 |
| Machinery, nec | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electrical and optical equipment | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Transport equipment | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| Manufacturing, nec; recycling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity, gas, and water supply | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Construction | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Sale, maintenance, and repair | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wholesale trade and commission trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Retail trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotels and restaurants | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Inland transport | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water transport | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Air transport | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Other supporting and auxiliary transport activities | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Post and telecommunications | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Financial intermediation | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Real estate activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Renting of M&Eq and other business activities | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Public administration and defense; compulsory social security | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Education | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Health and social work | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other community, social, and personal services | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 5.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 909 | 765 | 1,546 | 1,296 | 1,585 | 1,329 | 2,677 | 2,209 | 2,306 | 2,037 | 2,376 | 2,161 | 2,414 | 2,210 | 2,471 | 2,268 |
| Low tech | 243 | 210 | 363 | 312 | 364 | 314 | 284 | 244 | 671 | 556 | 806 | 698 | 794 | 679 | 791 | 678 |
| High and medium tech | 15 | 7 | 10 | 7 | 8 | 6 | 7 | 5 | 23 | 15 | 28 | 21 | 29 | 22 | 30 | 22 |
| Utilities | 175 | 158 | 463 | 418 | 448 | 406 | 400 | 361 | 723 | 644 | 942 | 867 | 1,245 | 1,151 | 1,663 | 1,544 |
| Construction | 3 | 2 | 19 | 12 | 11 | 7 | 34 | 20 | 176 | 112 | 242 | 162 | 251 | 177 | 265 | 187 |
| Trade and repair services | 116 | 101 | 161 | 139 | 136 | 119 | 128 | 111 | 366 | 316 | 458 | 398 | 456 | 406 | 462 | 411 |
| Tourism | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 23 | 36 | 31 | 35 | 30 | 33 | 29 |
| Transport services | 48 | 29 | 63 | 38 | 51 | 36 | 43 | 26 | 101 | 63 | 128 | 86 | 135 | 94 | 143 | 100 |
| ICT services | 22 | 20 | 33 | 30 | 28 | 25 | 21 | 19 | 71 | 62 | 90 | 81 | 92 | 83 | 93 | 84 |
| Finance and insurance services | 3 | 3 | 5 | 5 | 5 | 4 | 4 | 4 | 17 | 15 | 21 | 20 | 22 | 21 | 23 | 22 |
| Property services | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| Public and welfare services | 13 | 11 | 81 | 71 | 32 | 28 | 83 | 72 | 118 | 104 | 155 | 136 | 155 | 138 | 155 | 140 |
| Services provided by private households | - | - | - | - | - | - | 0 | 0 | 10 | 10 | 11 | 11 | 13 | 13 | 13 | 13 |

\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 5.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 5.399 | 3.609 | 4.638 | 3.011 | 4.882 | 3.213 | 6.309 | 4.006 | 4.612 | 3.554 | 4.630 | 3.395 | 4.525 | 3.337 | 4.074 | 3.112 |
| Low tech | 1.087 | 1.024 | 0.933 | 0.909 | 0.968 | 0.929 | 0.530 | 0.539 | 0.978 | 0.844 | 1.016 | 0.874 | 0.942 | 0.812 | 0.859 | 0.746 |
| High and medium tech | 0.020 | 0.048 | 0.008 | 0.046 | 0.007 | 0.044 | 0.004 | 0.036 | 0.011 | 0.041 | 0.012 | 0.056 | 0.011 | 0.054 | 0.011 | 0.051 |
| Utilities | 25.176 | 5.335 | 37.754 | 7.572 | 36.869 | 7.852 | 23.466 | 5.693 | 33.388 | 6.123 | 36.603 | 6.514 | 36.455 | 8.174 | 53.619 | 9.991 |
| Construction | 0.429 | 0.149 | 1.788 | 0.722 | 1.046 | 0.429 | 1.692 | 1.101 | 7.407 | 2.012 | 8.573 | 3.775 | 7.258 | 3.663 | 8.230 | 3.733 |
| Trade and repair services | 0.960 | 0.908 | 0.757 | 0.719 | 0.640 | 0.639 | 0.445 | 0.522 | 1.009 | 0.828 | 1.078 | 0.960 | 1.002 | 0.881 | 0.937 | 0.804 |
| Tourism | 0.041 | 0.027 | 0.004 | 0.074 | 0.003 | 0.062 | 0.000 | 0.045 | 0.549 | 0.312 | 0.625 | 0.342 | 0.500 | 0.291 | 0.504 | 0.272 |
| Transport services | 0.518 | 0.411 | 0.411 | 0.344 | 0.336 | 0.336 | 0.210 | 0.206 | 0.393 | 0.286 | 0.429 | 0.321 | 0.428 | 0.324 | 0.417 | 0.314 |
| ICT services | 2.120 | 1.014 | 1.907 | 0.908 | 1.531 | 0.783 | 0.826 | 0.442 | 2.204 | 1.036 | 2.425 | 1.124 | 2.213 | 0.982 | 1.931 | 0.776 |
| Finance and insurance services | 0.071 | 0.498 | 0.065 | 0.201 | 0.058 | 0.184 | 0.038 | 0.158 | 0.118 | 0.176 | 0.128 | 0.240 | 0.121 | 0.223 | 0.122 | 0.205 |
| Property services | 0.010 | 0.033 | 0.001 | 0.093 | 0.001 | 0.085 | 0.000 | 0.065 | 0.010 | 0.096 | 0.011 | 0.097 | 0.010 | 0.085 | 0.010 | 0.073 |
| Public and welfare services | 0.459 | 0.186 | 1.693 | 0.693 | 0.670 | 0.276 | 1.170 | 0.515 | 1.346 | 0.576 | 1.473 | 0.571 | 1.294 | 0.531 | 1.327 | 0.533 |
| Services provided by private households | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 6.744 | 5.189 | 6.778 | 5.005 | 8.188 | 5.880 | 7.914 | 5.541 |

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

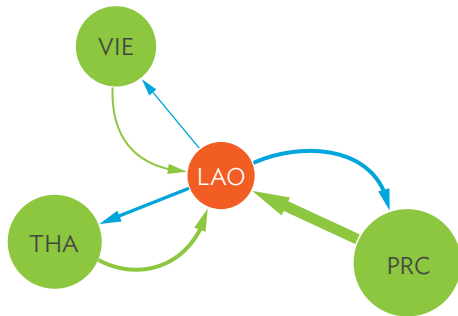
Source: Asian Development Bank Multi-Regional Input-Output Database.

5.4

GLOBAL VALUE CHAIN INDICATORS

Lao People's Democratic Republic

Figure 5.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



● Economy in focus ● Import partner ● Export partner

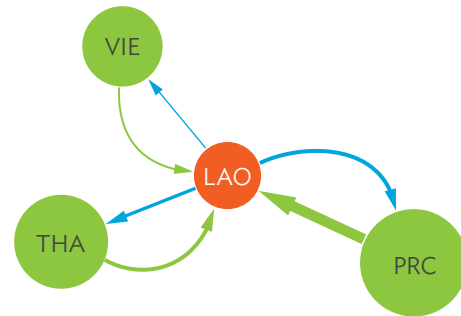
LAO = Lao People's Democratic Republic, PRC = People's Republic of China, THA = Thailand, VIE = Viet Nam.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



● Economy in focus ● Import partner ● Export partner

LAO = Lao People's Democratic Republic, PRC = People's Republic of China, THA = Thailand, VIE = Viet Nam.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 5.4.2: Trade in Value-Added by Industry, 2017 (\$ million)

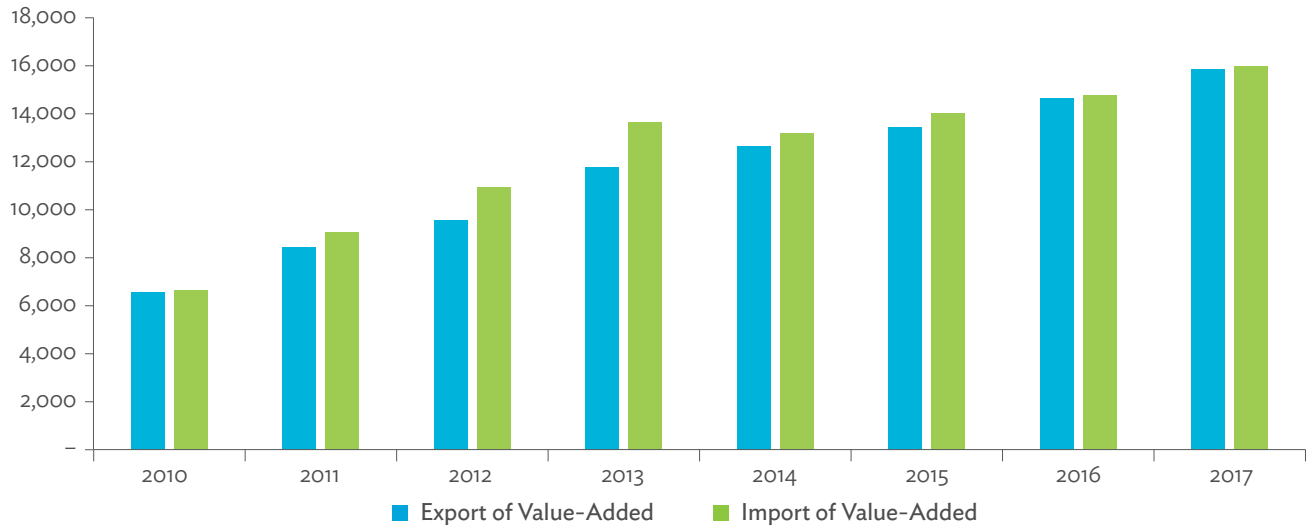


\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.4.3: Trade in Value-Added, 2010–2017 (\$ million)

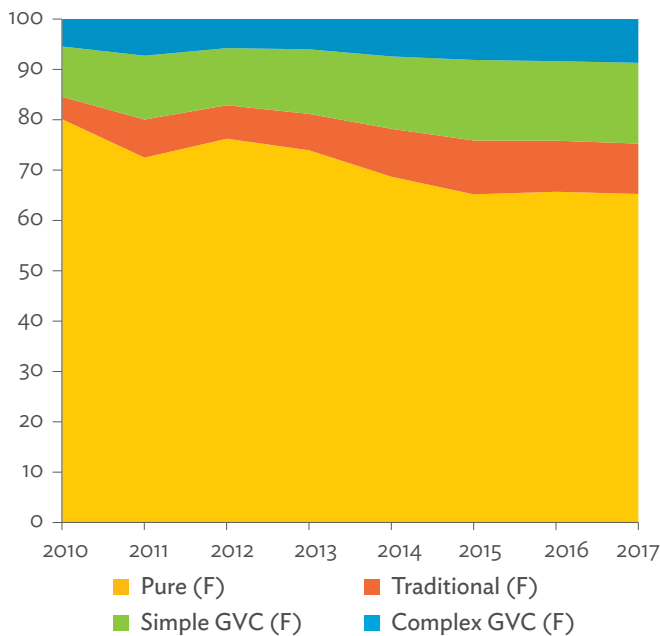


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 5.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)

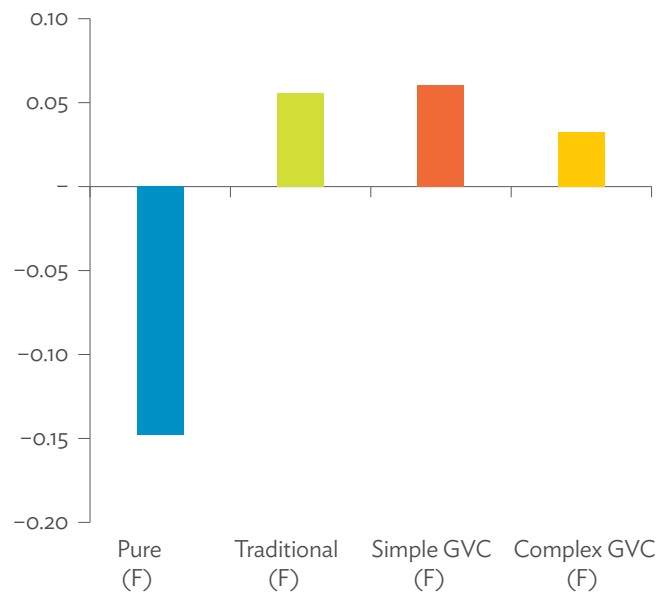


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 5.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



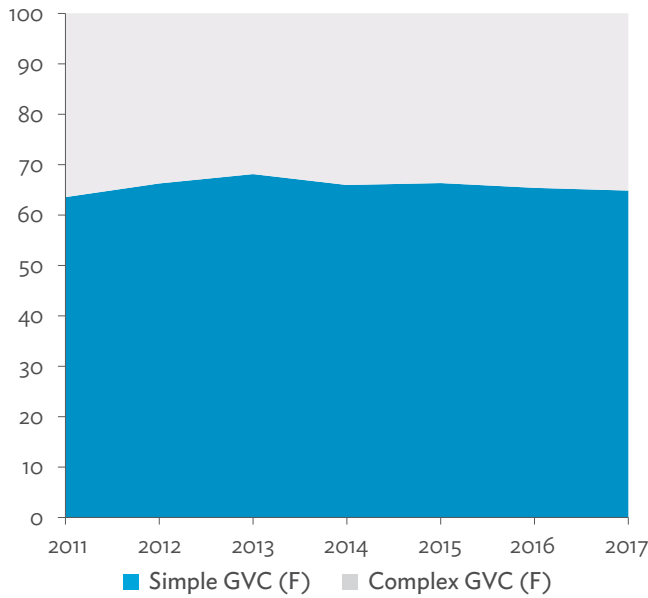
GVC = global value chain.

Note: Share in 2017 minus share in 2010, in percentage points.

Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

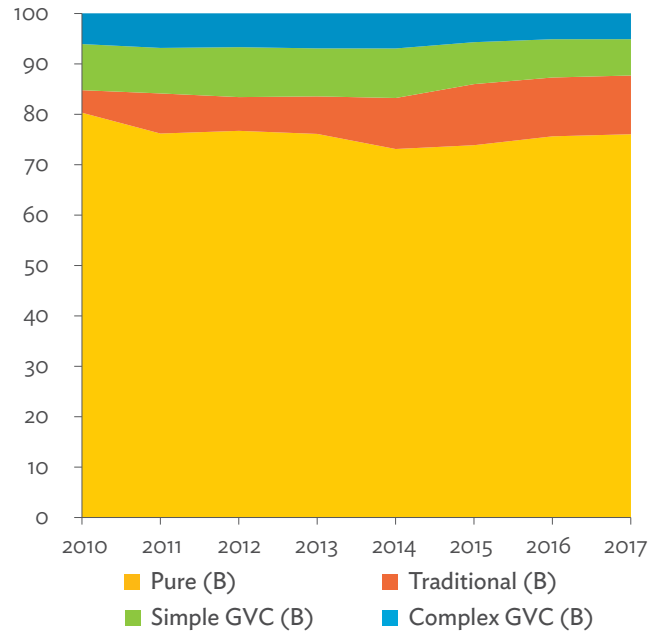
Figure 5.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

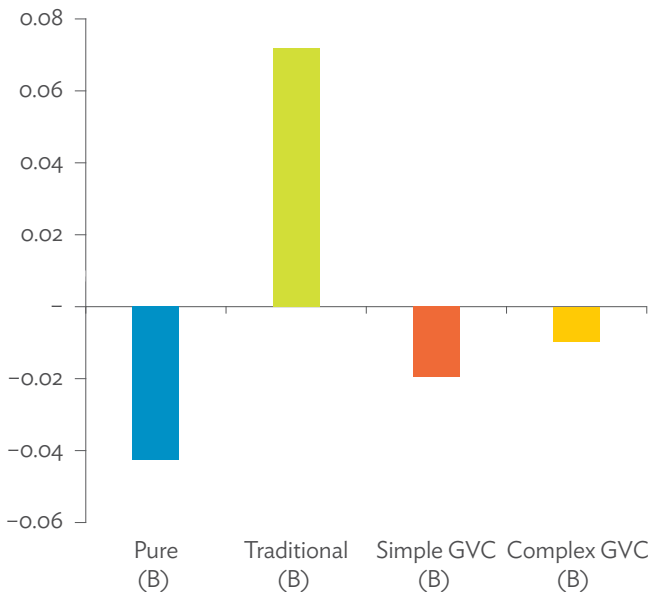
Figure 5.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

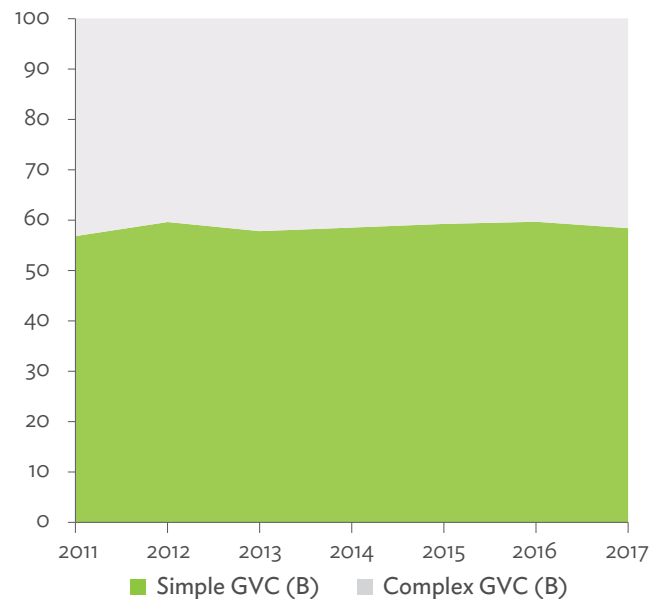
Figure 5.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

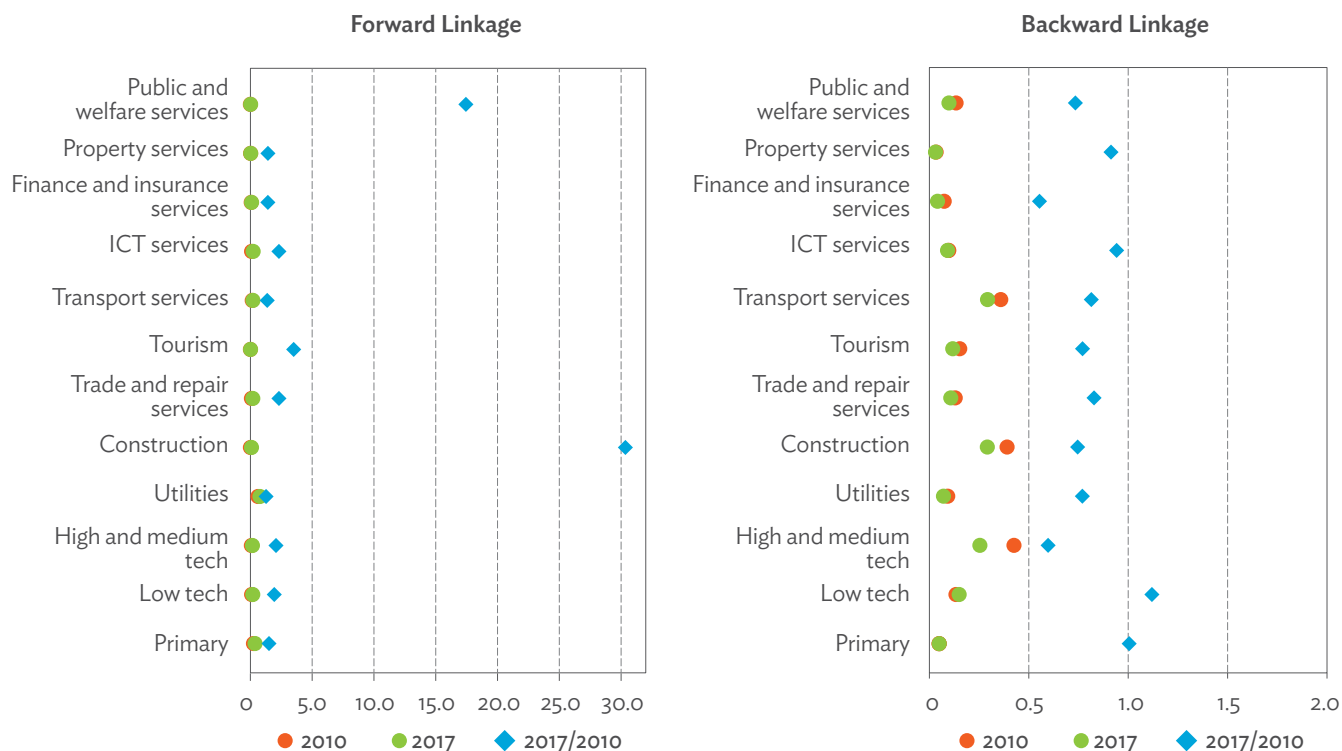
Figure 5.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

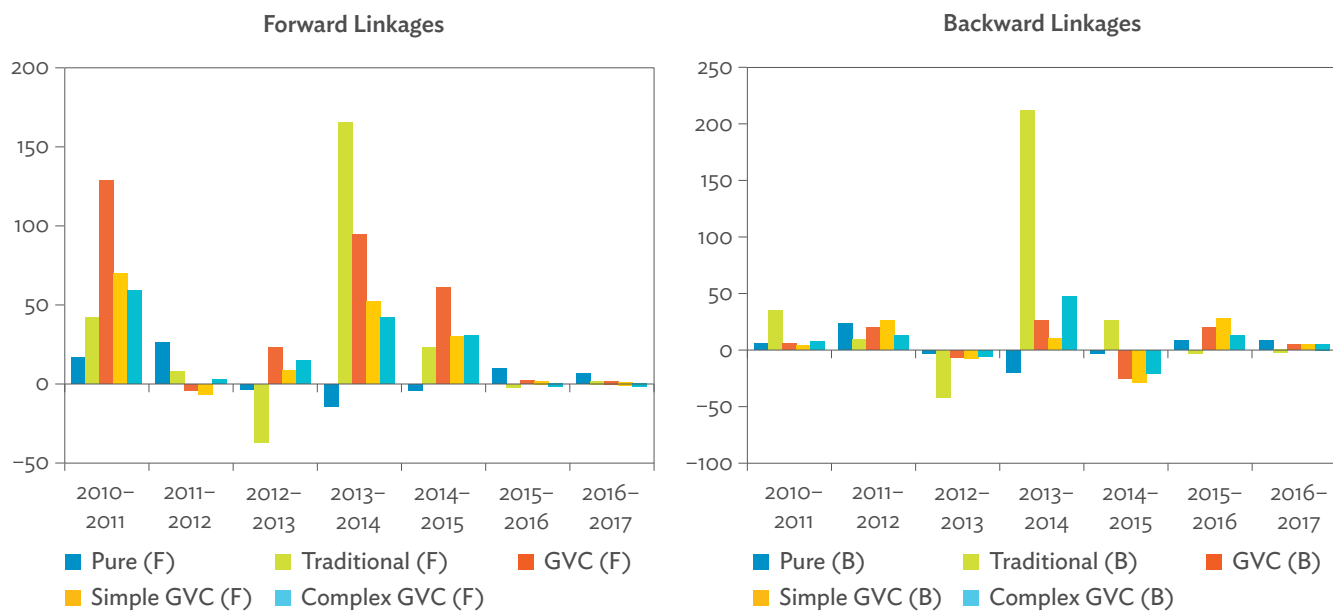
Figure 5.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 5.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

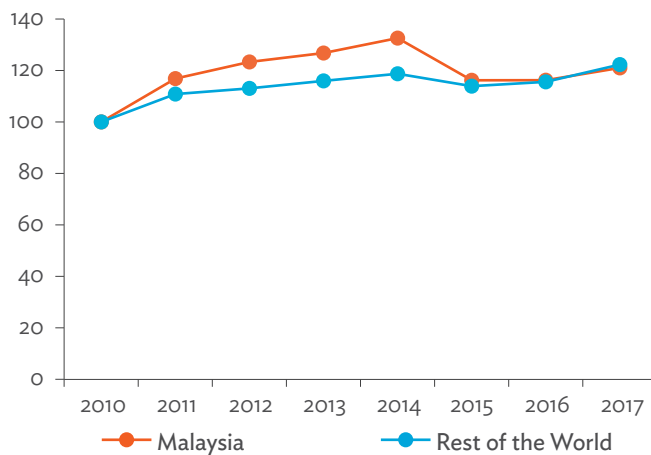
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6.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Malaysia

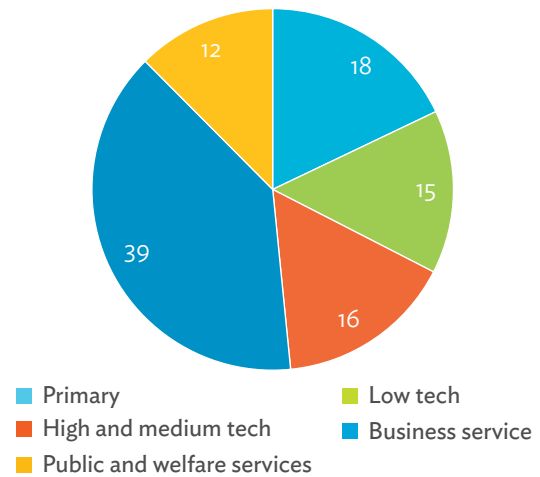
Figure 6.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

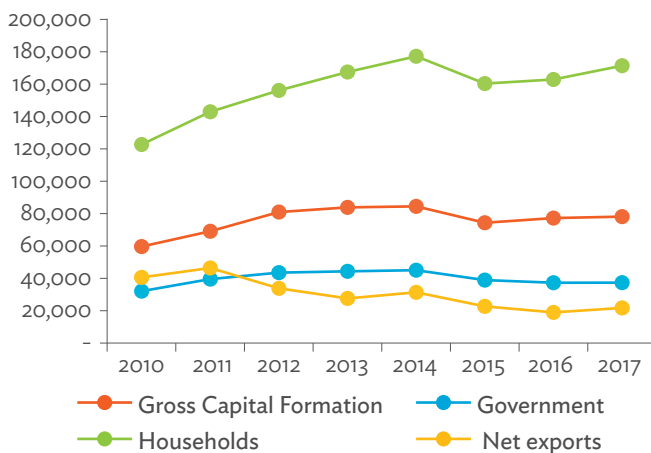
Figure 6.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 6.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)

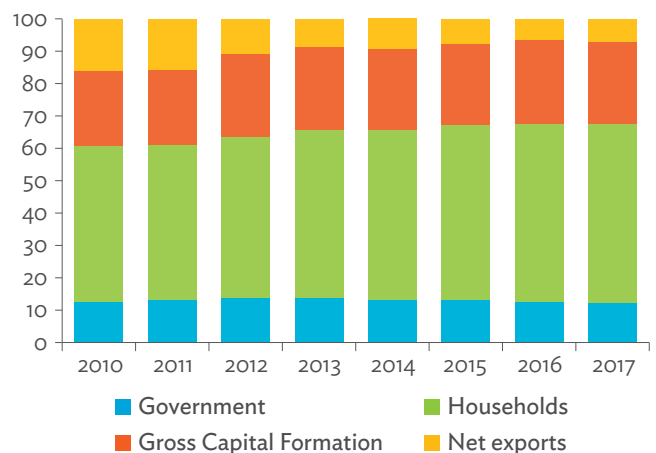


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

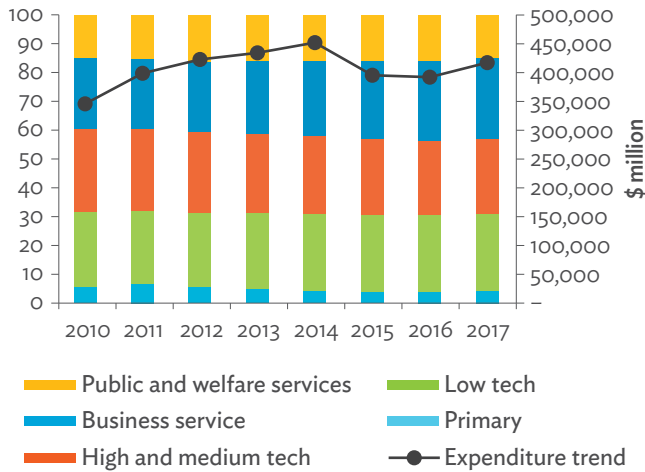
Figure 6.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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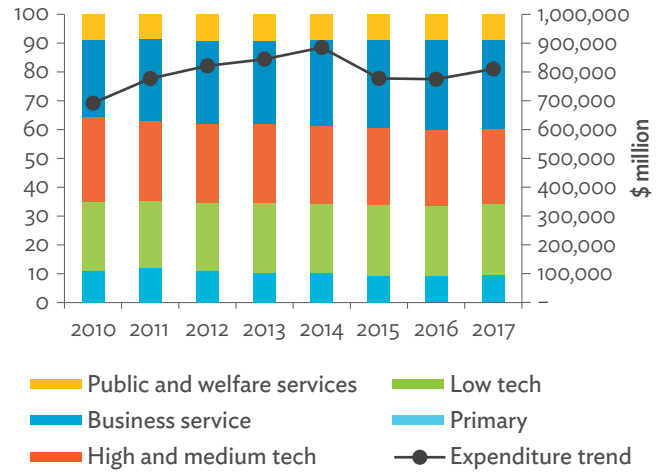
Figure 6.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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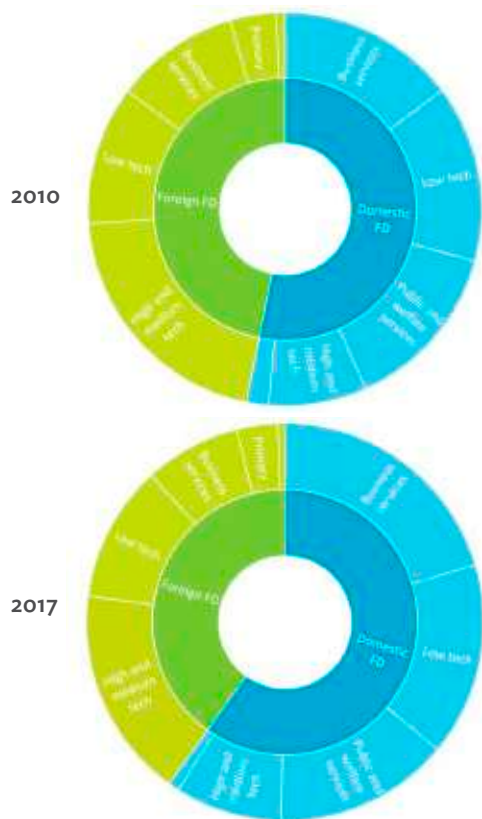
Figure 6.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

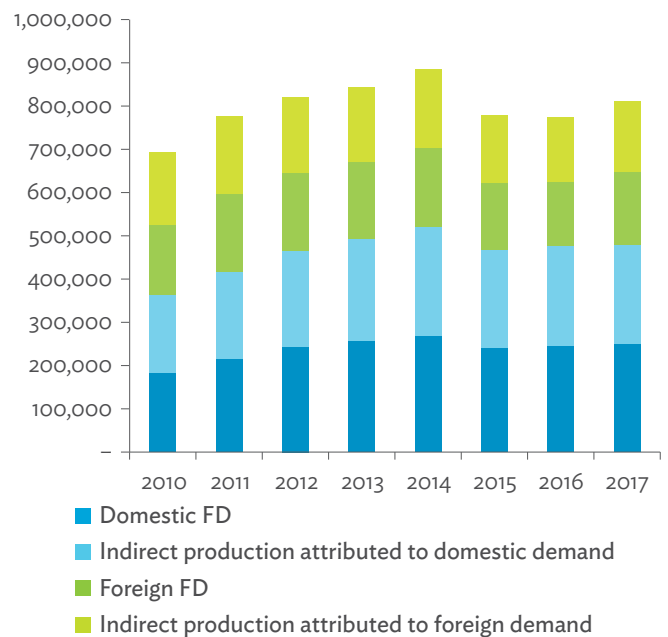
Figure 6.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

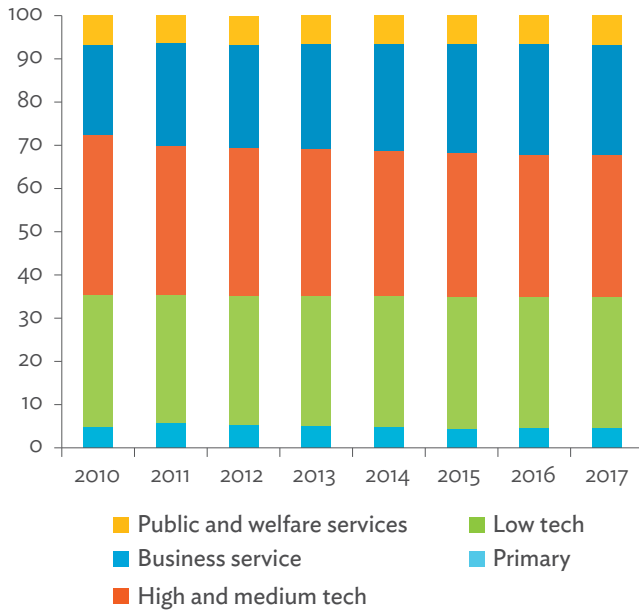
Figure 6.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

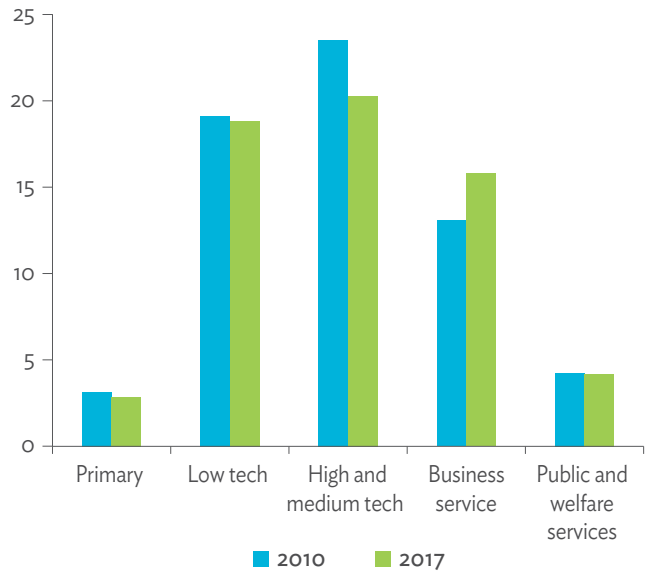
Figure 6.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

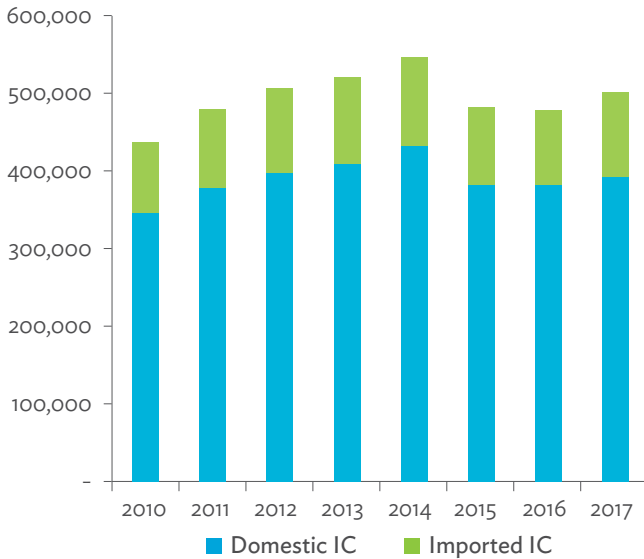
Figure 6.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

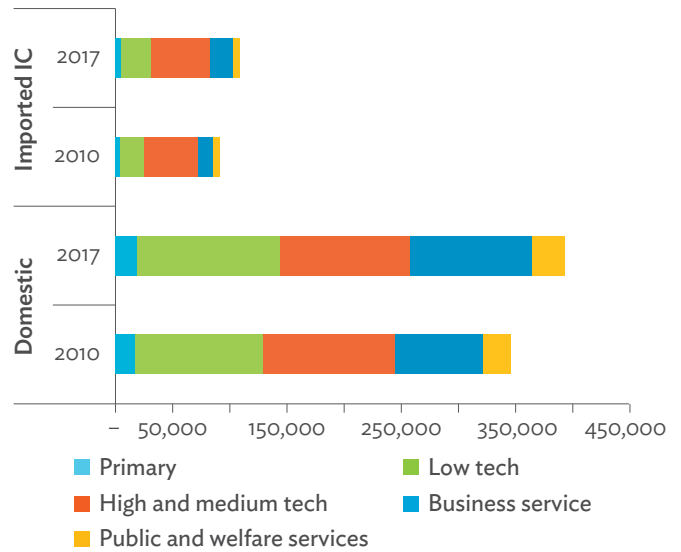


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

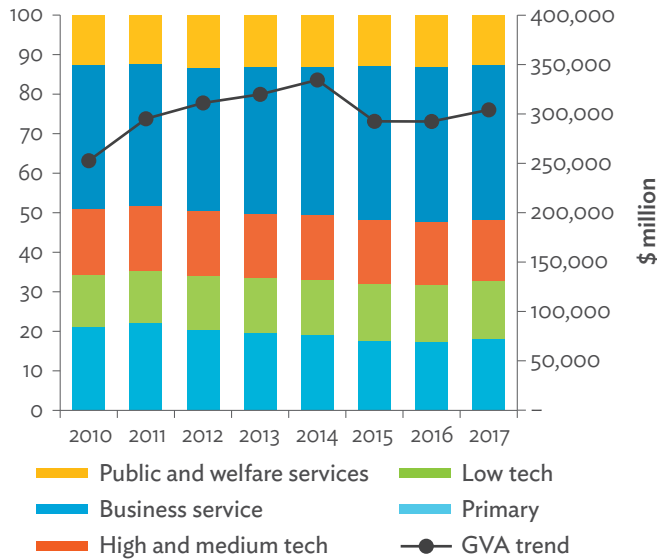


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

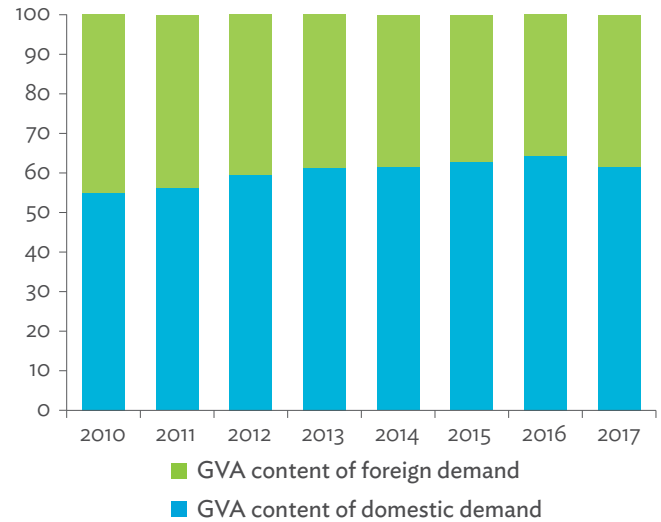
Figure 6.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

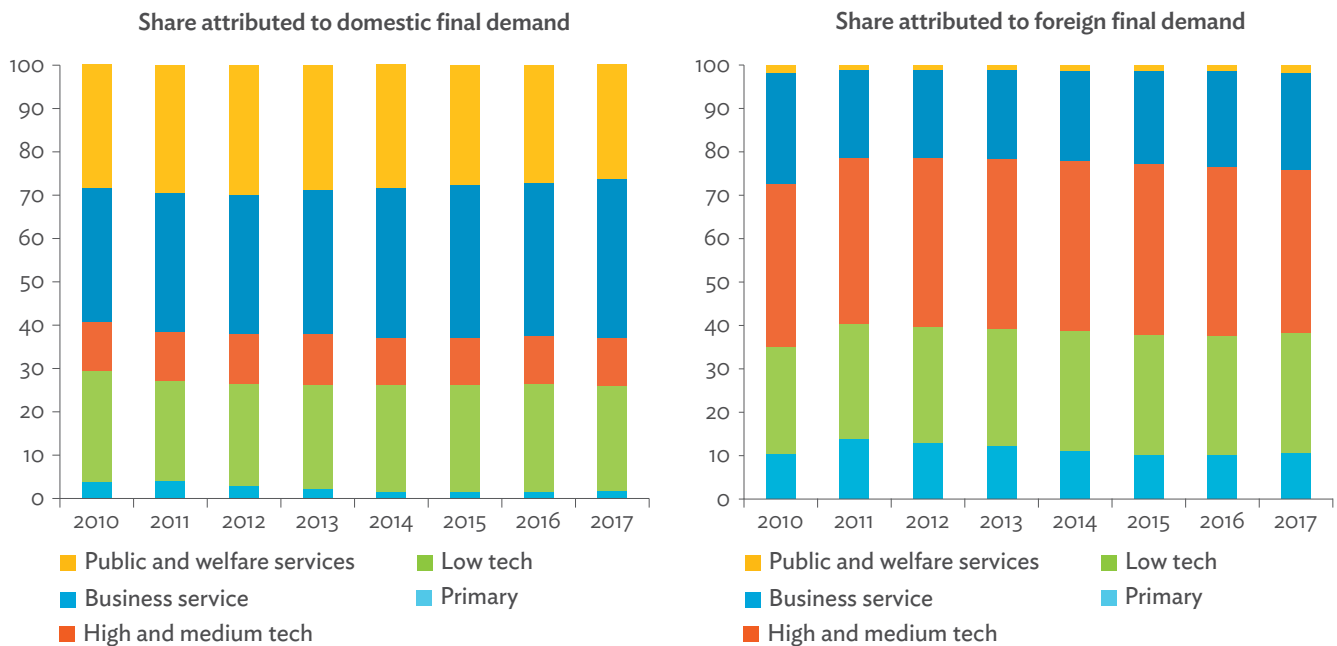
Figure 6.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 6.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 6.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.856 | 0.864 | 0.858 | 0.858 | 0.860 | 0.860 | 0.863 | 0.851 |
| Mining and quarrying | 0.923 | 0.928 | 0.928 | 0.929 | 0.930 | 0.929 | 0.931 | 0.925 |
| Food, beverages, and tobacco | 0.732 | 0.763 | 0.732 | 0.731 | 0.733 | 0.731 | 0.738 | 0.720 |
| Textiles and textile products | 0.689 | 0.710 | 0.708 | 0.709 | 0.712 | 0.712 | 0.717 | 0.694 |
| Leather, leather products, and footwear | 0.728 | 0.754 | 0.750 | 0.750 | 0.754 | 0.753 | 0.758 | 0.738 |
| Wood and products of wood and cork | 0.727 | 0.744 | 0.715 | 0.715 | 0.717 | 0.717 | 0.723 | 0.700 |
| Pulp, paper, paper products, printing, and publishing | 0.674 | 0.695 | 0.692 | 0.694 | 0.700 | 0.700 | 0.707 | 0.681 |
| Coke, refined petroleum, and nuclear fuel | 0.794 | 0.786 | 0.787 | 0.784 | 0.784 | 0.783 | 0.787 | 0.762 |
| Chemicals and chemical products | 0.658 | 0.657 | 0.656 | 0.658 | 0.664 | 0.663 | 0.670 | 0.641 |
| Rubber and plastics | 0.644 | 0.632 | 0.626 | 0.632 | 0.641 | 0.640 | 0.649 | 0.620 |
| Other nonmetallic minerals | 0.688 | 0.699 | 0.695 | 0.693 | 0.694 | 0.690 | 0.696 | 0.668 |
| Basic metals and fabricated metal | 0.544 | 0.553 | 0.553 | 0.553 | 0.558 | 0.559 | 0.568 | 0.541 |
| Machinery, nec | 0.535 | 0.601 | 0.601 | 0.602 | 0.607 | 0.608 | 0.615 | 0.591 |
| Electrical and optical equipment | 0.549 | 0.553 | 0.555 | 0.557 | 0.562 | 0.563 | 0.571 | 0.550 |
| Transport equipment | 0.460 | 0.462 | 0.460 | 0.461 | 0.467 | 0.465 | 0.472 | 0.442 |
| Manufacturing, nec; recycling | 0.735 | 0.750 | 0.742 | 0.743 | 0.746 | 0.744 | 0.750 | 0.730 |
| Electricity, gas, and water supply | 0.785 | 0.815 | 0.816 | 0.818 | 0.821 | 0.819 | 0.822 | 0.805 |
| Construction | 0.685 | 0.687 | 0.682 | 0.680 | 0.682 | 0.682 | 0.688 | 0.667 |
| Sale, maintenance, and repair | 0.811 | 0.776 | 0.775 | 0.777 | 0.780 | 0.778 | 0.781 | 0.756 |
| Wholesale trade and commission trade | 0.865 | 0.807 | 0.805 | 0.806 | 0.809 | 0.809 | 0.813 | 0.798 |
| Retail trade | 0.856 | 0.854 | 0.852 | 0.853 | 0.856 | 0.855 | 0.858 | 0.846 |
| Hotels and restaurants | 0.806 | 0.833 | 0.823 | 0.824 | 0.826 | 0.825 | 0.830 | 0.819 |
| Inland transport | 0.764 | 0.771 | 0.773 | 0.774 | 0.778 | 0.779 | 0.784 | 0.766 |
| Water transport | 0.776 | 0.769 | 0.770 | 0.770 | 0.773 | 0.774 | 0.779 | 0.762 |
| Air transport | 0.674 | 0.688 | 0.689 | 0.691 | 0.695 | 0.696 | 0.702 | 0.675 |
| Other supporting and auxiliary transport activities | 0.766 | 0.782 | 0.783 | 0.785 | 0.789 | 0.789 | 0.794 | 0.777 |
| Post and telecommunications | 0.830 | 0.782 | 0.784 | 0.787 | 0.792 | 0.791 | 0.794 | 0.779 |
| Financial intermediation | 0.895 | 0.886 | 0.886 | 0.887 | 0.889 | 0.887 | 0.888 | 0.879 |
| Real estate activities | 0.915 | 0.925 | 0.925 | 0.926 | 0.927 | 0.926 | 0.927 | 0.922 |
| Renting of M&Eq and other business activities | 0.837 | 0.861 | 0.861 | 0.863 | 0.866 | 0.866 | 0.868 | 0.857 |
| Public administration and defense; compulsory social security | 0.819 | 0.833 | 0.834 | 0.836 | 0.839 | 0.838 | 0.841 | 0.828 |
| Education | 0.907 | 0.925 | 0.926 | 0.926 | 0.928 | 0.927 | 0.929 | 0.922 |
| Health and social work | 0.731 | 0.751 | 0.752 | 0.754 | 0.758 | 0.759 | 0.764 | 0.745 |
| Other community, social, and personal services | 0.802 | 0.802 | 0.803 | 0.805 | 0.810 | 0.809 | 0.813 | 0.800 |
| Private households with employed persons | 0.880 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 6.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.136 | 0.134 | 0.139 | 0.138 | 0.136 | 0.136 | 0.133 | 0.145 |
| Mining and quarrying | 0.068 | 0.072 | 0.071 | 0.071 | 0.070 | 0.070 | 0.069 | 0.075 |
| Food, beverages, and tobacco | 0.261 | 0.226 | 0.255 | 0.256 | 0.254 | 0.253 | 0.245 | 0.262 |
| Textiles and textile products | 0.305 | 0.280 | 0.281 | 0.281 | 0.277 | 0.275 | 0.269 | 0.286 |
| Leather, leather products, and footwear | 0.265 | 0.238 | 0.241 | 0.241 | 0.237 | 0.236 | 0.230 | 0.246 |
| Wood and products of wood and cork | 0.266 | 0.249 | 0.277 | 0.277 | 0.274 | 0.274 | 0.266 | 0.292 |
| Pulp, paper, paper products, printing, and publishing | 0.320 | 0.299 | 0.301 | 0.299 | 0.293 | 0.291 | 0.284 | 0.312 |
| Coke, refined petroleum, and nuclear fuel | 0.199 | 0.214 | 0.213 | 0.216 | 0.216 | 0.217 | 0.213 | 0.237 |
| Chemicals and chemical products | 0.335 | 0.342 | 0.343 | 0.341 | 0.335 | 0.335 | 0.328 | 0.357 |
| Rubber and plastics | 0.350 | 0.362 | 0.366 | 0.361 | 0.352 | 0.351 | 0.341 | 0.372 |
| Other nonmetallic minerals | 0.305 | 0.299 | 0.303 | 0.305 | 0.304 | 0.307 | 0.301 | 0.329 |
| Basic metals and fabricated metal | 0.451 | 0.442 | 0.442 | 0.442 | 0.437 | 0.434 | 0.425 | 0.450 |
| Machinery, nec | 0.460 | 0.392 | 0.391 | 0.390 | 0.385 | 0.382 | 0.374 | 0.396 |
| Electrical and optical equipment | 0.446 | 0.443 | 0.440 | 0.439 | 0.433 | 0.431 | 0.423 | 0.444 |
| Transport equipment | 0.536 | 0.494 | 0.491 | 0.489 | 0.482 | 0.475 | 0.463 | 0.499 |
| Manufacturing, nec; recycling | 0.258 | 0.245 | 0.253 | 0.252 | 0.249 | 0.249 | 0.244 | 0.263 |
| Electricity, gas, and water supply | 0.208 | 0.184 | 0.183 | 0.181 | 0.178 | 0.179 | 0.176 | 0.193 |
| Construction | 0.308 | 0.310 | 0.314 | 0.316 | 0.314 | 0.314 | 0.307 | 0.328 |
| Sale, maintenance, and repair | 0.182 | 0.193 | 0.191 | 0.190 | 0.187 | 0.184 | 0.180 | 0.189 |
| Wholesale trade and commission trade | 0.127 | 0.191 | 0.194 | 0.192 | 0.189 | 0.189 | 0.184 | 0.200 |
| Retail trade | 0.136 | 0.136 | 0.137 | 0.136 | 0.134 | 0.133 | 0.130 | 0.141 |
| Hotels and restaurants | 0.187 | 0.157 | 0.167 | 0.166 | 0.164 | 0.163 | 0.159 | 0.169 |
| Inland transport | 0.229 | 0.230 | 0.229 | 0.227 | 0.224 | 0.223 | 0.218 | 0.236 |
| Water transport | 0.216 | 0.229 | 0.228 | 0.227 | 0.224 | 0.222 | 0.217 | 0.234 |
| Air transport | 0.319 | 0.307 | 0.304 | 0.303 | 0.298 | 0.296 | 0.290 | 0.316 |
| Other supporting and auxiliary transport activities | 0.227 | 0.213 | 0.212 | 0.210 | 0.206 | 0.205 | 0.200 | 0.216 |
| Post and telecommunications | 0.162 | 0.207 | 0.203 | 0.200 | 0.196 | 0.195 | 0.191 | 0.205 |
| Financial intermediation | 0.097 | 0.106 | 0.105 | 0.104 | 0.102 | 0.102 | 0.100 | 0.108 |
| Real estate activities | 0.076 | 0.071 | 0.070 | 0.070 | 0.068 | 0.068 | 0.067 | 0.073 |
| Renting of M&Eq and other business activities | 0.156 | 0.133 | 0.132 | 0.130 | 0.127 | 0.126 | 0.123 | 0.135 |
| Public administration and defense; compulsory social security | 0.174 | 0.160 | 0.159 | 0.157 | 0.154 | 0.154 | 0.150 | 0.161 |
| Education | 0.084 | 0.073 | 0.072 | 0.071 | 0.070 | 0.070 | 0.068 | 0.075 |
| Health and social work | 0.262 | 0.246 | 0.246 | 0.244 | 0.239 | 0.238 | 0.232 | 0.251 |
| Other community, social, and personal services | 0.190 | 0.194 | 0.192 | 0.190 | 0.185 | 0.184 | 0.180 | 0.194 |
| Private households with employed persons | 0.112 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 6.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.636 | 1.631 | 1.622 | 1.622 | 1.630 | 1.635 | 1.638 | 1.616 |
| Mining and quarrying | 1.246 | 1.243 | 1.244 | 1.243 | 1.248 | 1.252 | 1.256 | 1.248 |
| Food, beverages, and tobacco | 2.543 | 2.589 | 2.537 | 2.534 | 2.544 | 2.555 | 2.550 | 2.479 |
| Textiles and textile products | 1.956 | 1.977 | 1.975 | 1.975 | 1.987 | 1.993 | 2.004 | 1.953 |
| Leather, leather products, and footwear | 1.855 | 1.887 | 1.882 | 1.882 | 1.895 | 1.900 | 1.907 | 1.864 |
| Wood and products of wood and cork | 2.363 | 2.347 | 2.293 | 2.291 | 2.302 | 2.312 | 2.317 | 2.292 |
| Pulp, paper, paper products, printing, and publishing | 2.070 | 2.094 | 2.090 | 2.095 | 2.113 | 2.120 | 2.131 | 2.098 |
| Coke, refined petroleum, and nuclear fuel | 1.968 | 1.806 | 1.808 | 1.803 | 1.806 | 1.823 | 1.835 | 1.833 |
| Chemicals and chemical products | 2.226 | 2.166 | 2.167 | 2.173 | 2.193 | 2.210 | 2.225 | 2.176 |
| Rubber and plastics | 2.661 | 2.539 | 2.541 | 2.560 | 2.595 | 2.609 | 2.613 | 2.575 |
| Other nonmetallic minerals | 2.262 | 2.209 | 2.197 | 2.189 | 2.194 | 2.223 | 2.240 | 2.214 |
| Basic metals and fabricated metal | 2.154 | 2.050 | 2.051 | 2.050 | 2.068 | 2.080 | 2.100 | 2.028 |
| Machinery, nec | 1.933 | 1.844 | 1.847 | 1.848 | 1.866 | 1.875 | 1.891 | 1.829 |
| Electrical and optical equipment | 1.882 | 1.881 | 1.891 | 1.894 | 1.915 | 1.923 | 1.943 | 1.874 |
| Transport equipment | 2.132 | 2.059 | 2.058 | 2.062 | 2.084 | 2.084 | 2.099 | 2.035 |
| Manufacturing, nec; recycling | 1.717 | 1.959 | 1.946 | 1.947 | 1.959 | 1.972 | 1.982 | 1.957 |
| Electricity, gas, and water supply | 1.750 | 1.755 | 1.759 | 1.761 | 1.772 | 1.787 | 1.798 | 1.787 |
| Construction | 2.130 | 2.074 | 2.062 | 2.056 | 2.064 | 2.077 | 2.091 | 2.049 |
| Sale, maintenance, and repair | 1.670 | 1.547 | 1.545 | 1.548 | 1.559 | 1.558 | 1.564 | 1.516 |
| Wholesale trade and commission trade | 1.470 | 1.791 | 1.789 | 1.790 | 1.802 | 1.808 | 1.815 | 1.788 |
| Retail trade | 1.501 | 1.604 | 1.603 | 1.604 | 1.613 | 1.615 | 1.618 | 1.592 |
| Hotels and restaurants | 2.079 | 2.114 | 2.099 | 2.099 | 2.109 | 2.114 | 2.114 | 2.070 |
| Inland transport | 2.076 | 2.030 | 2.035 | 2.038 | 2.051 | 2.060 | 2.071 | 2.041 |
| Water transport | 1.981 | 1.947 | 1.949 | 1.950 | 1.961 | 1.968 | 1.979 | 1.943 |
| Air transport | 2.206 | 2.192 | 2.196 | 2.199 | 2.214 | 2.223 | 2.237 | 2.198 |
| Other supporting and auxiliary transport activities | 2.085 | 2.077 | 2.081 | 2.085 | 2.099 | 2.105 | 2.114 | 2.082 |
| Post and telecommunications | 2.153 | 1.955 | 1.961 | 1.967 | 1.982 | 1.985 | 1.994 | 1.962 |
| Financial intermediation | 1.860 | 1.821 | 1.823 | 1.822 | 1.829 | 1.830 | 1.834 | 1.818 |
| Real estate activities | 1.600 | 1.587 | 1.588 | 1.587 | 1.593 | 1.594 | 1.597 | 1.585 |
| Renting of M&Eq and other business activities | 1.525 | 1.539 | 1.541 | 1.543 | 1.553 | 1.555 | 1.560 | 1.543 |
| Public administration and defense; compulsory social security | 1.787 | 1.797 | 1.799 | 1.801 | 1.812 | 1.815 | 1.822 | 1.795 |
| Education | 1.333 | 1.344 | 1.345 | 1.345 | 1.351 | 1.354 | 1.355 | 1.352 |
| Health and social work | 1.738 | 1.724 | 1.727 | 1.732 | 1.749 | 1.756 | 1.766 | 1.729 |
| Other community, social, and personal services | 1.769 | 1.882 | 1.886 | 1.890 | 1.903 | 1.907 | 1.915 | 1.887 |
| Private households with employed persons | 1.287 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

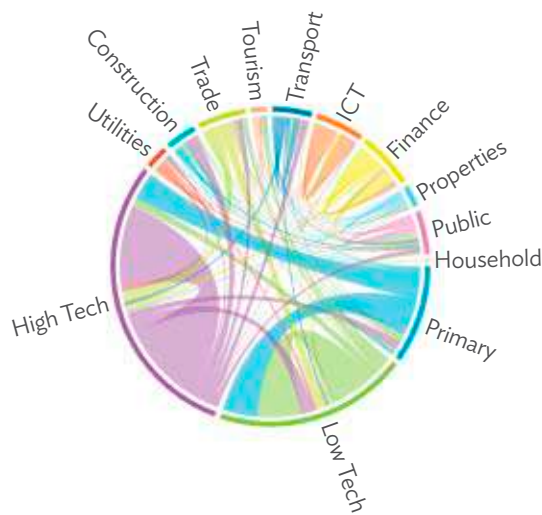
Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

6.2

Malaysia

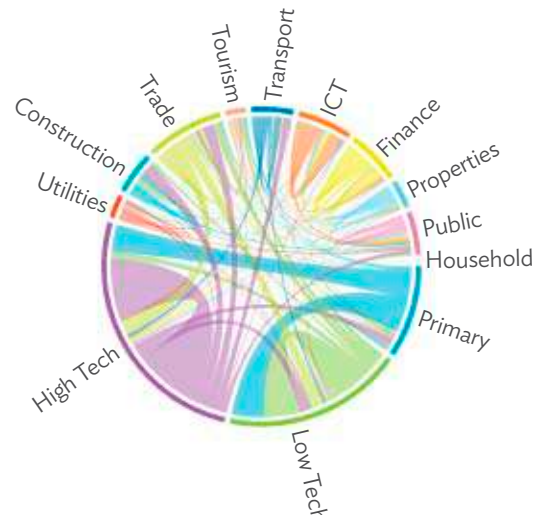
Figure 6.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

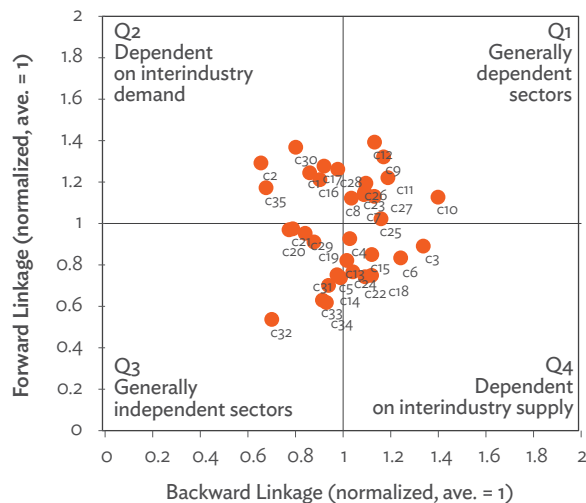
Figure 6.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

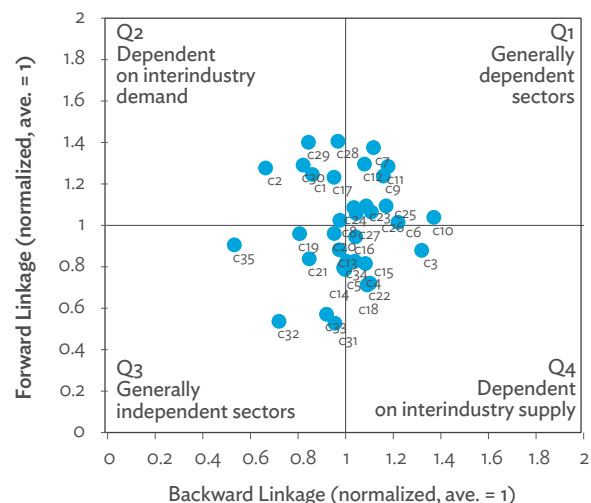
Figure 6.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 6.2.2b: Backward and Forward Linkages by Industry, 2017

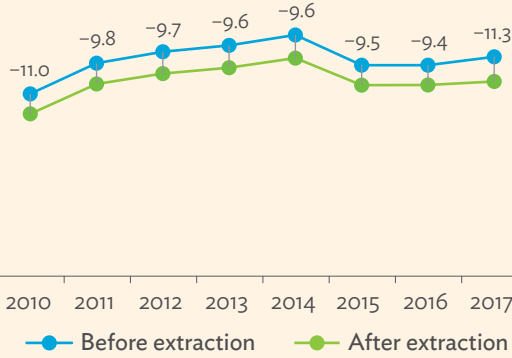


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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Box 6: Hypothetical Extraction of Coke, Refined Petroleum, and Nuclear Fuel Industry in Malaysia

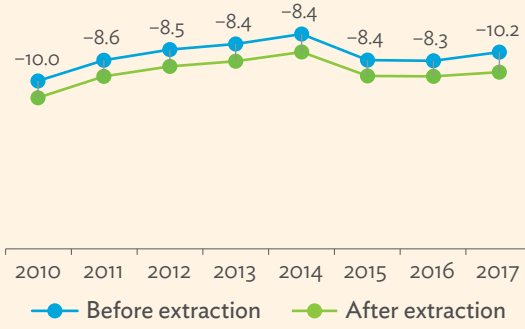
Figure 6.2.3a: Potential Decline in Gross Value Added, 2010-2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

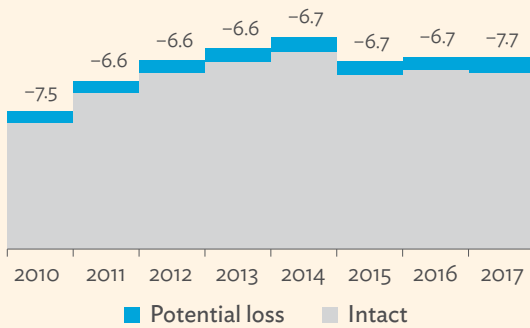
Figure 6.2.4a: Potential Decline in Gross Output, 2010-2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

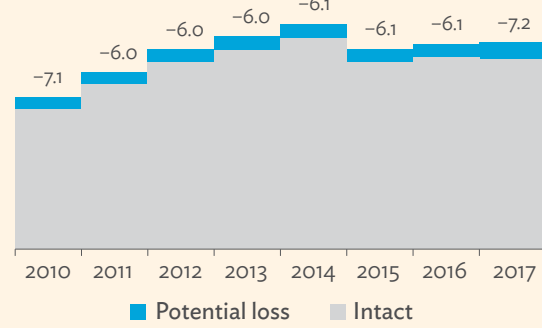
Figure 6.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010-2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

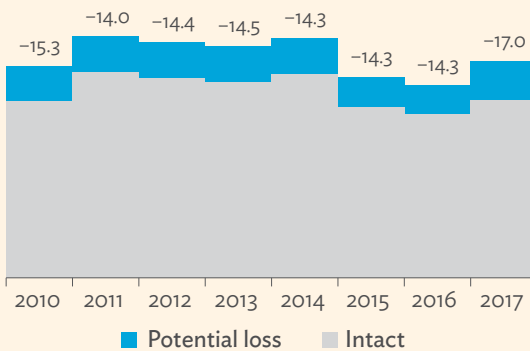
Figure 6.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010-2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

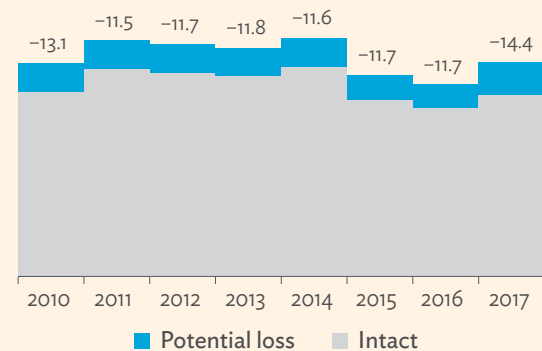
Figure 6.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010-2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010-2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 6.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.636 | 1.631 | 1.622 | 1.622 | 1.630 | 1.635 | 1.638 | 1.616 |
| Mining and quarrying | 1.246 | 1.243 | 1.244 | 1.243 | 1.248 | 1.252 | 1.256 | 1.248 |
| Food, beverages, and tobacco | 2.543 | 2.589 | 2.537 | 2.534 | 2.544 | 2.555 | 2.550 | 2.479 |
| Textiles and textile products | 1.956 | 1.977 | 1.975 | 1.975 | 1.987 | 1.993 | 2.004 | 1.953 |
| Leather, leather products, and footwear | 1.855 | 1.887 | 1.882 | 1.882 | 1.895 | 1.900 | 1.907 | 1.864 |
| Wood and products of wood and cork | 2.363 | 2.347 | 2.293 | 2.291 | 2.302 | 2.312 | 2.317 | 2.292 |
| Pulp, paper, paper products, printing, and publishing | 2.070 | 2.094 | 2.090 | 2.095 | 2.113 | 2.120 | 2.131 | 2.098 |
| Coke, refined petroleum, and nuclear fuel | 1.968 | 1.806 | 1.808 | 1.803 | 1.806 | 1.823 | 1.835 | 1.833 |
| Chemicals and chemical products | 2.226 | 2.166 | 2.167 | 2.173 | 2.193 | 2.210 | 2.225 | 2.176 |
| Rubber and plastics | 2.661 | 2.539 | 2.541 | 2.560 | 2.595 | 2.609 | 2.613 | 2.575 |
| Other nonmetallic minerals | 2.262 | 2.209 | 2.197 | 2.189 | 2.194 | 2.223 | 2.240 | 2.214 |
| Basic metals and fabricated metal | 2.154 | 2.050 | 2.051 | 2.050 | 2.068 | 2.080 | 2.100 | 2.028 |
| Machinery, nec | 1.933 | 1.844 | 1.847 | 1.848 | 1.866 | 1.875 | 1.891 | 1.829 |
| Electrical and optical equipment | 1.882 | 1.881 | 1.891 | 1.894 | 1.915 | 1.923 | 1.943 | 1.874 |
| Transport equipment | 2.132 | 2.059 | 2.058 | 2.062 | 2.084 | 2.084 | 2.099 | 2.035 |
| Manufacturing, nec; recycling | 1.717 | 1.959 | 1.946 | 1.947 | 1.959 | 1.972 | 1.982 | 1.957 |
| Electricity, gas, and water supply | 1.750 | 1.755 | 1.759 | 1.761 | 1.772 | 1.787 | 1.798 | 1.787 |
| Construction | 2.130 | 2.074 | 2.062 | 2.056 | 2.064 | 2.077 | 2.091 | 2.049 |
| Sale, maintenance, and repair | 1.670 | 1.547 | 1.545 | 1.548 | 1.559 | 1.558 | 1.564 | 1.516 |
| Wholesale trade and commission trade | 1.470 | 1.791 | 1.789 | 1.790 | 1.802 | 1.808 | 1.815 | 1.788 |
| Retail trade | 1.501 | 1.604 | 1.603 | 1.604 | 1.613 | 1.615 | 1.618 | 1.592 |
| Hotels and restaurants | 2.079 | 2.114 | 2.099 | 2.099 | 2.109 | 2.114 | 2.114 | 2.070 |
| Inland transport | 2.076 | 2.030 | 2.035 | 2.038 | 2.051 | 2.060 | 2.071 | 2.041 |
| Water transport | 1.981 | 1.947 | 1.949 | 1.950 | 1.961 | 1.968 | 1.979 | 1.943 |
| Air transport | 2.206 | 2.192 | 2.196 | 2.199 | 2.214 | 2.223 | 2.237 | 2.198 |
| Other supporting and auxiliary transport activities | 2.085 | 2.077 | 2.081 | 2.085 | 2.099 | 2.105 | 2.114 | 2.082 |
| Post and telecommunications | 2.153 | 1.955 | 1.961 | 1.967 | 1.982 | 1.985 | 1.994 | 1.962 |
| Financial intermediation | 1.860 | 1.821 | 1.823 | 1.822 | 1.829 | 1.830 | 1.834 | 1.818 |
| Real estate activities | 1.600 | 1.587 | 1.588 | 1.587 | 1.593 | 1.594 | 1.597 | 1.585 |
| Renting of M&Eq and other business activities | 1.525 | 1.539 | 1.541 | 1.543 | 1.553 | 1.555 | 1.560 | 1.543 |
| Public administration and defense; compulsory social security | 1.787 | 1.797 | 1.799 | 1.801 | 1.812 | 1.815 | 1.822 | 1.795 |
| Education | 1.333 | 1.344 | 1.345 | 1.345 | 1.351 | 1.354 | 1.355 | 1.352 |
| Health and social work | 1.738 | 1.724 | 1.727 | 1.732 | 1.749 | 1.756 | 1.766 | 1.729 |
| Other community, social, and personal services | 1.769 | 1.882 | 1.886 | 1.890 | 1.903 | 1.907 | 1.915 | 1.887 |
| Private households with employed persons | 1.287 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

lowest linkage  highest linkage


M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 6.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.251 | 1.175 | 1.210 | 1.238 | 1.264 | 1.264 | 1.251 | 1.252 |
| Mining and quarrying | 1.300 | 1.263 | 1.262 | 1.277 | 1.293 | 1.297 | 1.308 | 1.285 |
| Food, beverages, and tobacco | 0.888 | 0.907 | 0.906 | 0.906 | 0.904 | 0.904 | 0.888 | 0.876 |
| Textiles and textile products | 0.924 | 0.829 | 0.829 | 0.828 | 0.825 | 0.821 | 0.851 | 0.822 |
| Leather, leather products, and footwear | 0.745 | 0.785 | 0.785 | 0.775 | 0.763 | 0.760 | 0.769 | 0.789 |
| Wood and products of wood and cork | 0.828 | 0.974 | 0.990 | 1.000 | 1.008 | 1.016 | 1.015 | 1.015 |
| Pulp, paper, paper products, printing, and publishing | 1.143 | 1.321 | 1.334 | 1.349 | 1.367 | 1.365 | 1.365 | 1.386 |
| Coke, refined petroleum, and nuclear fuel | 1.125 | 1.029 | 1.024 | 1.028 | 1.031 | 1.035 | 1.041 | 1.024 |
| Chemicals and chemical products | 1.330 | 1.225 | 1.217 | 1.225 | 1.235 | 1.240 | 1.232 | 1.244 |
| Rubber and plastics | 1.130 | 1.016 | 1.030 | 1.043 | 1.055 | 1.065 | 1.041 | 1.039 |
| Other nonmetallic minerals | 1.227 | 1.289 | 1.294 | 1.292 | 1.292 | 1.290 | 1.282 | 1.292 |
| Basic metals and fabricated metal | 1.403 | 1.270 | 1.286 | 1.296 | 1.310 | 1.314 | 1.310 | 1.304 |
| Machinery, nec | 0.816 | 0.857 | 0.861 | 0.860 | 0.858 | 0.865 | 0.875 | 0.879 |
| Electrical and optical equipment | 0.730 | 0.777 | 0.782 | 0.785 | 0.787 | 0.796 | 0.798 | 0.781 |
| Transport equipment | 0.845 | 0.799 | 0.797 | 0.801 | 0.804 | 0.807 | 0.812 | 0.810 |
| Manufacturing, nec; recycling | 1.217 | 0.918 | 0.921 | 0.927 | 0.931 | 0.938 | 0.945 | 0.943 |
| Electricity, gas, and water supply | 1.285 | 1.293 | 1.278 | 1.260 | 1.244 | 1.238 | 1.232 | 1.238 |
| Construction | 0.742 | 0.728 | 0.706 | 0.695 | 0.684 | 0.687 | 0.690 | 0.704 |
| Sale, maintenance, and repair | 0.908 | 1.001 | 0.996 | 0.976 | 0.958 | 0.960 | 0.960 | 0.959 |
| Wholesale trade and commission trade | 0.968 | 1.001 | 0.996 | 0.976 | 0.958 | 0.961 | 0.962 | 0.959 |
| Retail trade | 0.973 | 0.867 | 0.863 | 0.848 | 0.834 | 0.833 | 0.832 | 0.833 |
| Hotels and restaurants | 0.736 | 0.741 | 0.737 | 0.728 | 0.718 | 0.711 | 0.708 | 0.713 |
| Inland transport | 1.155 | 1.099 | 1.098 | 1.099 | 1.101 | 1.102 | 1.104 | 1.096 |
| Water transport | 0.760 | 1.095 | 1.093 | 1.094 | 1.095 | 1.095 | 1.097 | 1.089 |
| Air transport | 1.023 | 1.100 | 1.098 | 1.100 | 1.102 | 1.101 | 1.103 | 1.096 |
| Other supporting and auxiliary transport activities | 1.199 | 1.068 | 1.067 | 1.069 | 1.071 | 1.071 | 1.072 | 1.066 |
| Post and telecommunications | 1.134 | 1.092 | 1.085 | 1.074 | 1.063 | 1.058 | 1.057 | 1.059 |
| Financial intermediation | 1.268 | 1.417 | 1.396 | 1.413 | 1.432 | 1.420 | 1.412 | 1.417 |
| Real estate activities | 0.950 | 1.411 | 1.417 | 1.405 | 1.395 | 1.391 | 1.386 | 1.412 |
| Renting of M&Eq and other business activities | 1.377 | 1.321 | 1.315 | 1.299 | 1.287 | 1.288 | 1.289 | 1.298 |
| Public administration and defense; compulsory social security | 0.692 | 0.516 | 0.514 | 0.513 | 0.509 | 0.504 | 0.500 | 0.514 |
| Education | 0.523 | 0.533 | 0.531 | 0.530 | 0.526 | 0.520 | 0.518 | 0.523 |
| Health and social work | 0.619 | 0.594 | 0.587 | 0.585 | 0.580 | 0.572 | 0.574 | 0.559 |
| Other community, social, and personal services | 0.608 | 0.804 | 0.810 | 0.811 | 0.811 | 0.805 | 0.801 | 0.821 |
| Private households with employed persons | 1.177 | 0.884 | 0.886 | 0.894 | 0.901 | 0.904 | 0.918 | 0.903 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

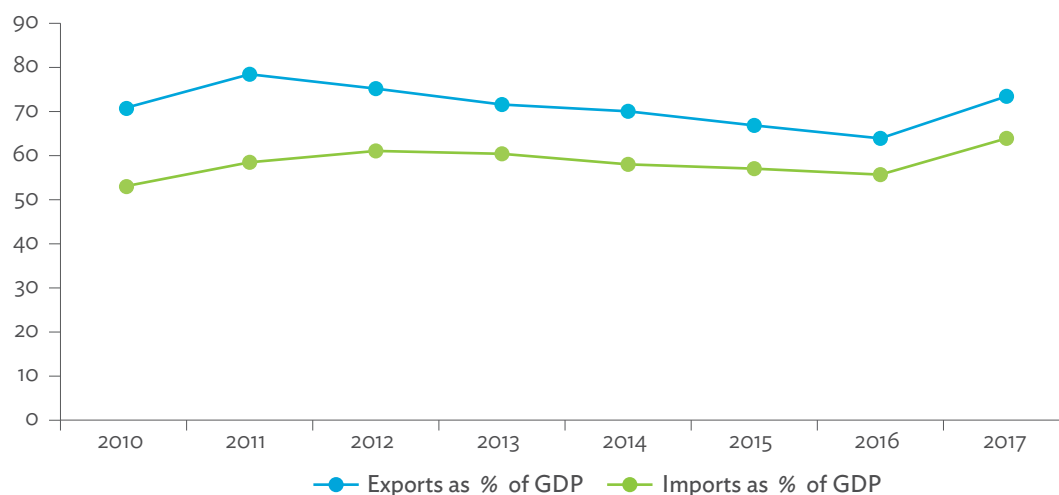
Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

6.3

Malaysia

Figure 6.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)

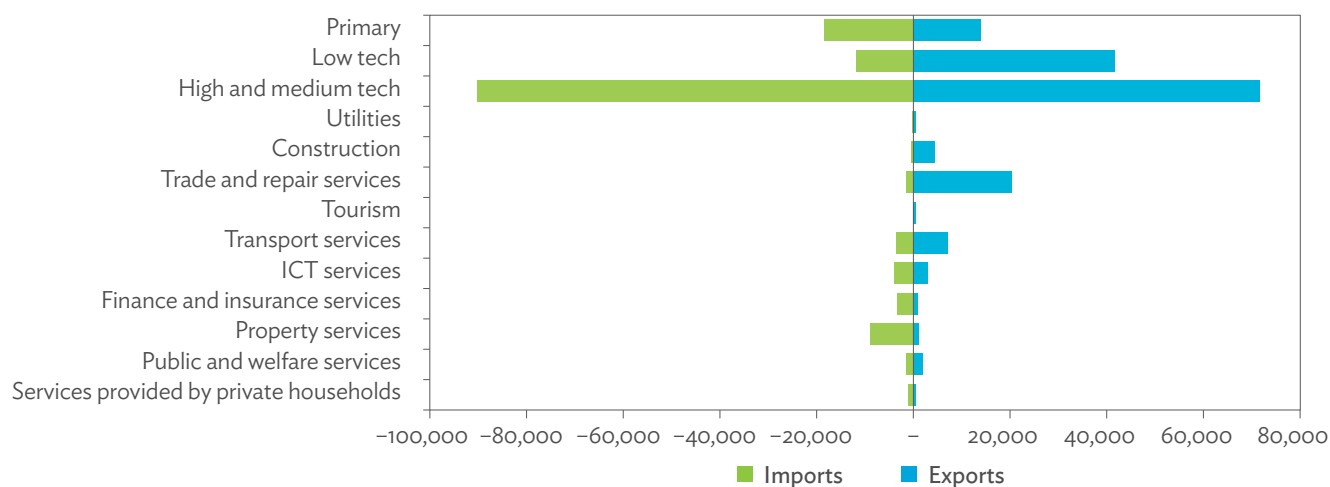


GDP = gross domestic product.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.3.2: Total Foreign Trade by Sector, 2017 (\$ million)

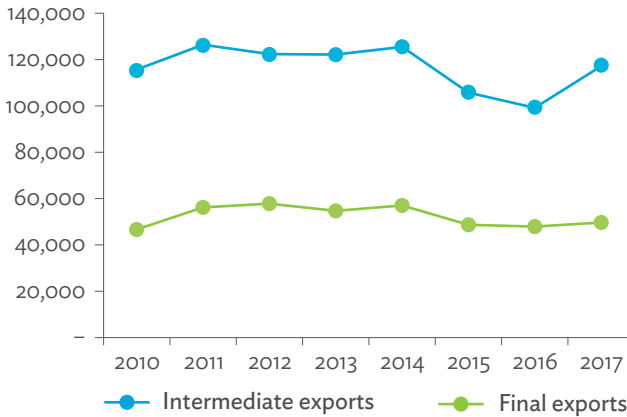


\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

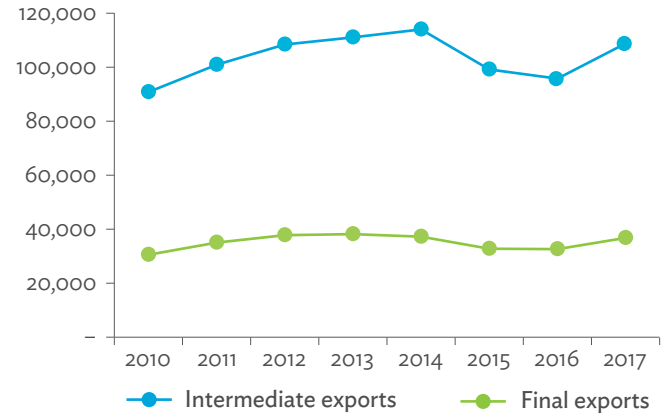
[Click here for figure data](#)

Figure 6.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)



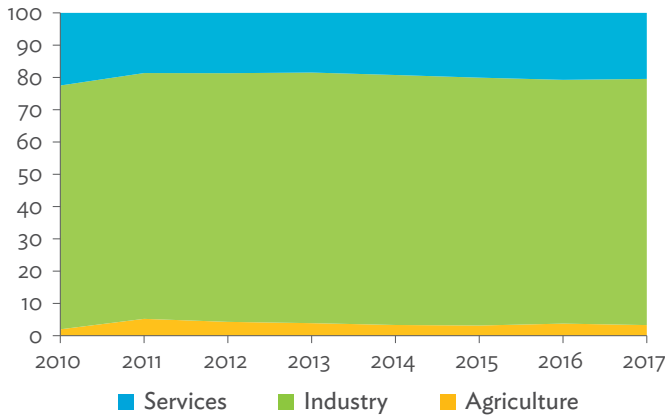
\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 6.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)



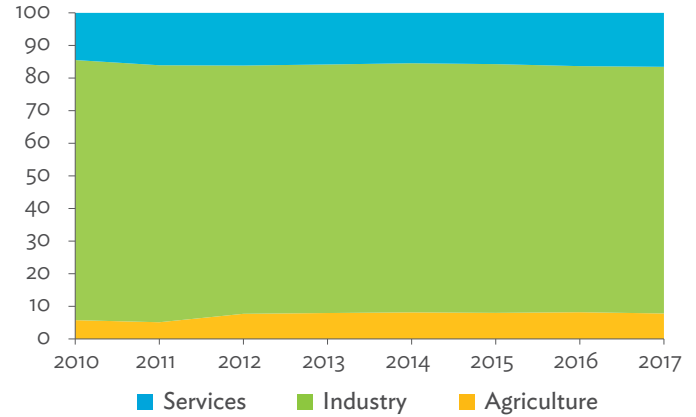
\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 6.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



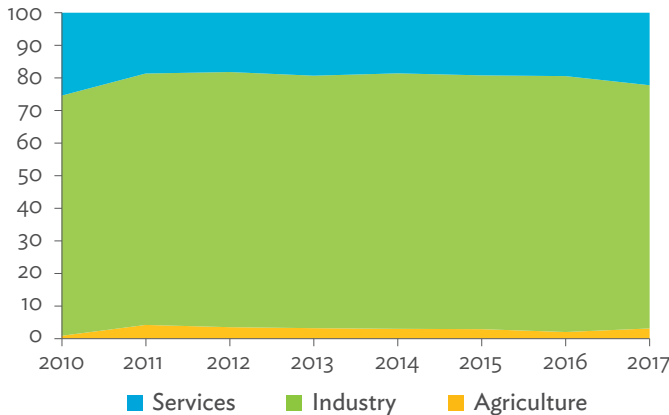
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 6.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



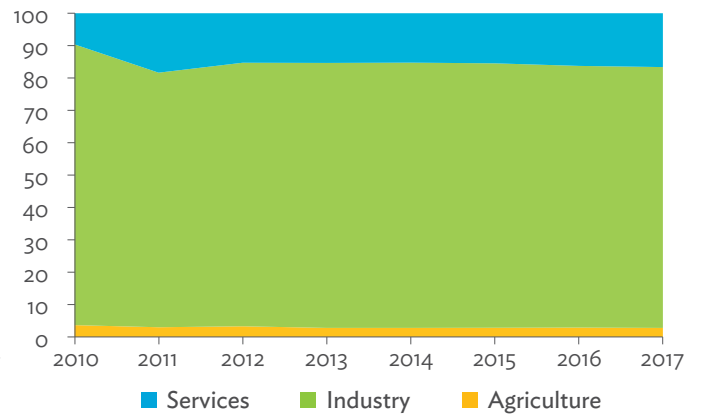
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 6.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



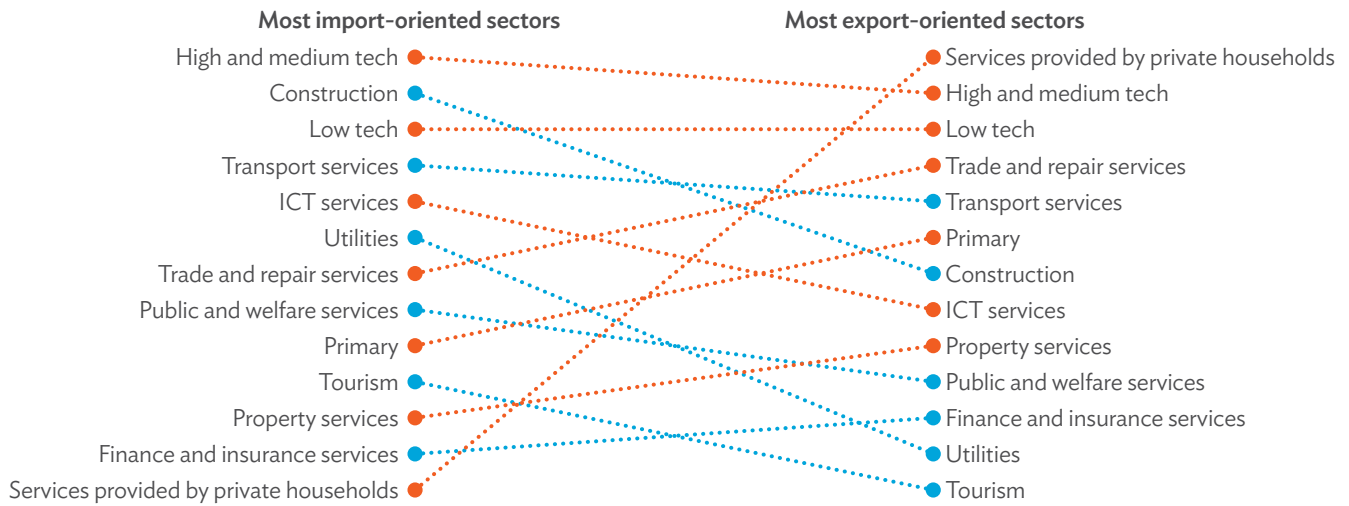
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 6.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

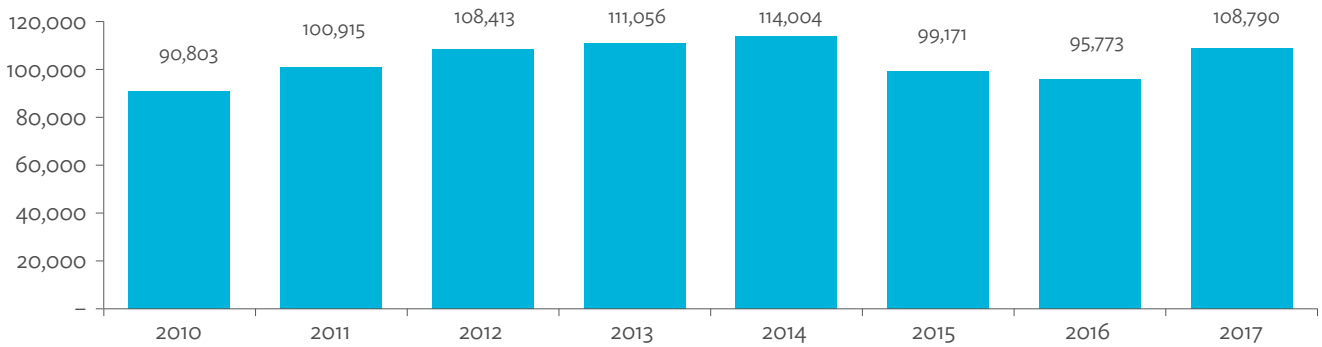
Figure 6.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

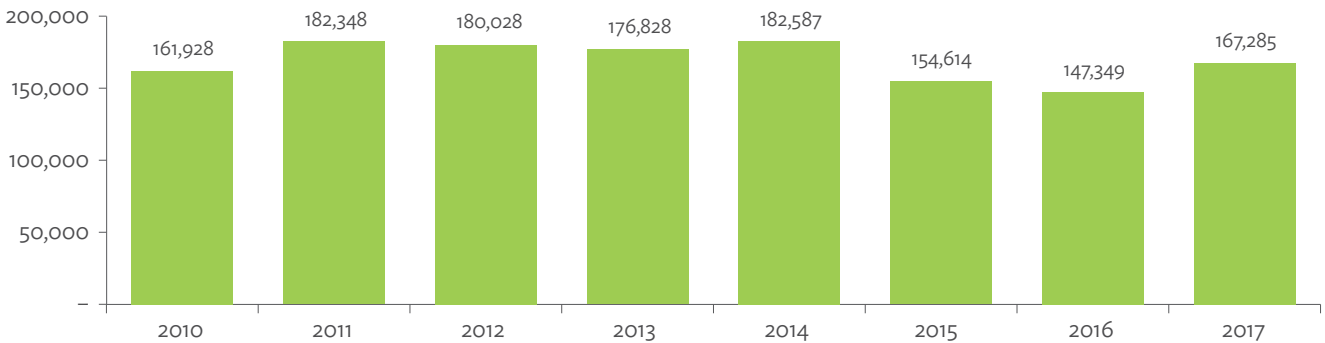
Figure 6.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

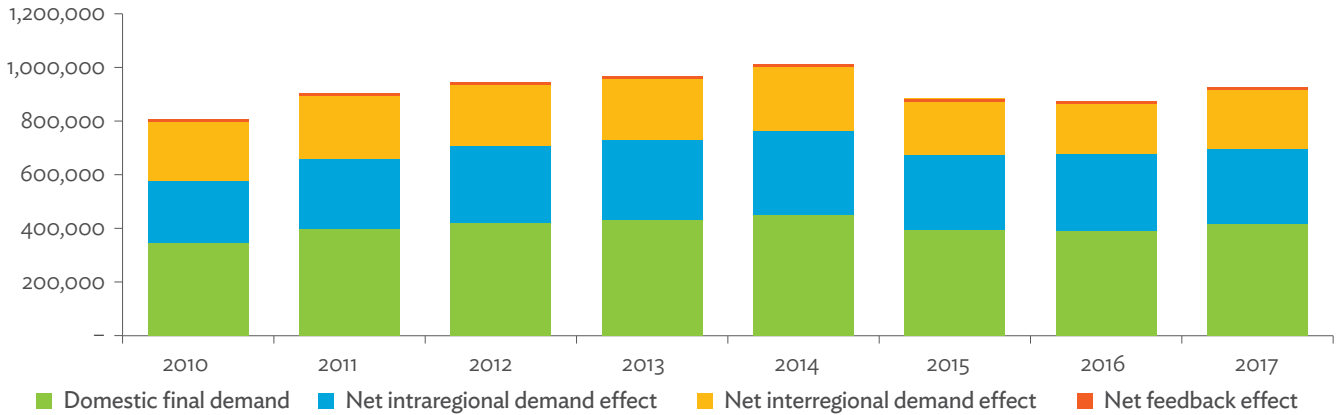
Figure 6.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

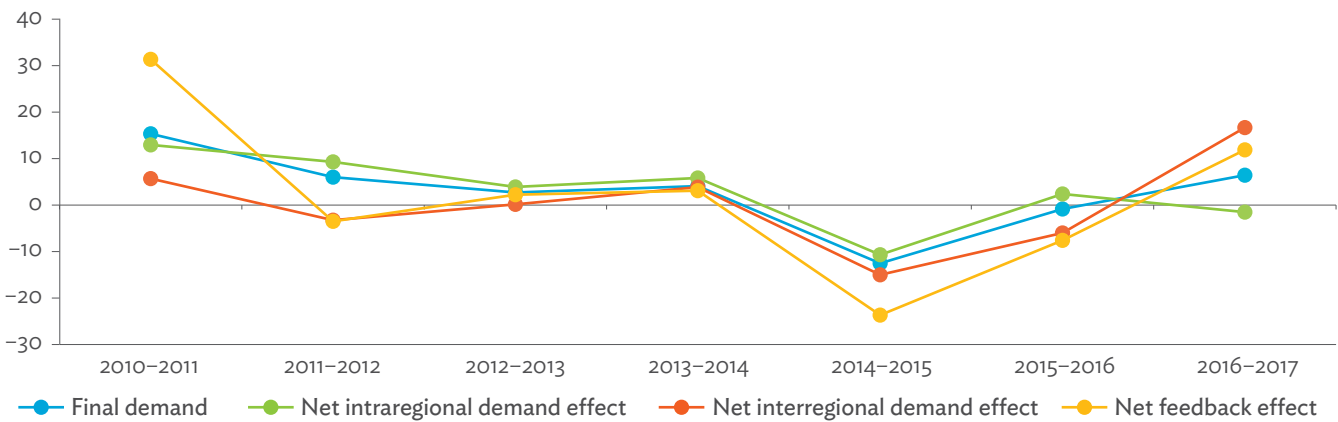


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

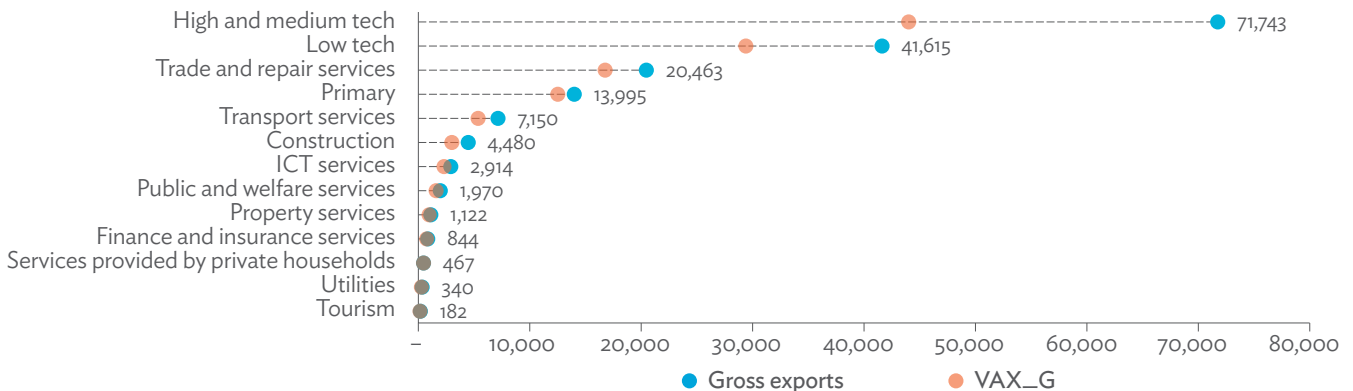
Figure 6.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

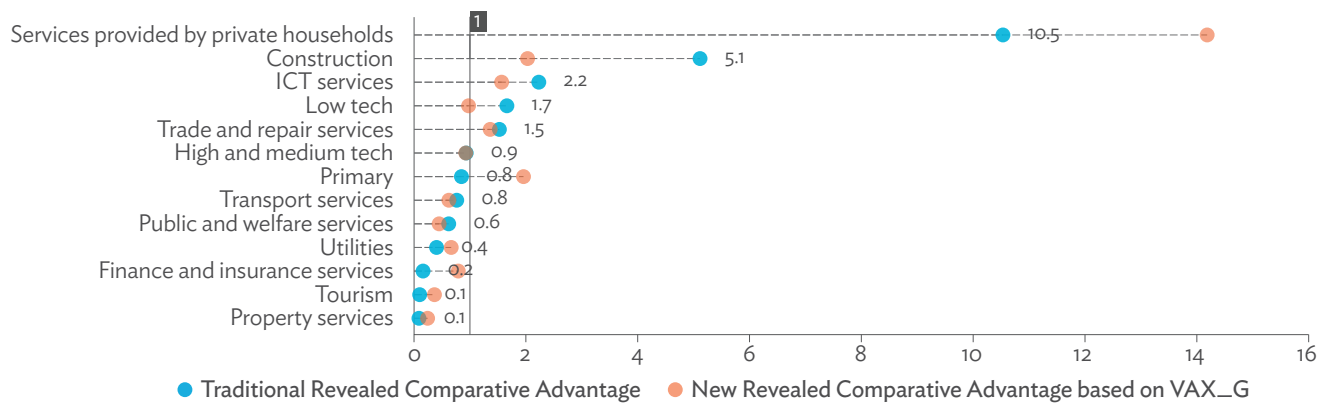


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 6.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|--------|---------|---------|---------|---------|---------|---------|---------|
| Final demand | | | | | | | | |
| Primary | 19,584 | 27,712 | 24,481 | 22,152 | 19,959 | 15,785 | 15,138 | 17,692 |
| Low tech | 90,057 | 99,802 | 108,776 | 113,500 | 120,081 | 105,530 | 105,521 | 112,165 |
| High and medium tech | 99,213 | 114,015 | 117,859 | 119,041 | 121,703 | 104,107 | 100,565 | 108,132 |
| Business service | 86,031 | 97,401 | 104,180 | 110,941 | 119,114 | 108,085 | 108,963 | 117,468 |
| Personal service | 50,937 | 59,937 | 67,560 | 68,699 | 71,220 | 61,948 | 61,946 | 61,895 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 34,600 | 41,809 | 42,762 | 44,020 | 45,751 | 38,163 | 40,004 | 38,957 |
| Low tech | 52,097 | 57,655 | 63,614 | 66,530 | 70,654 | 63,526 | 64,175 | 63,284 |
| High and medium tech | 67,266 | 65,012 | 72,435 | 75,390 | 80,577 | 72,651 | 73,389 | 71,624 |
| Business service | 67,658 | 89,274 | 98,539 | 102,364 | 108,229 | 98,378 | 101,640 | 98,759 |
| Personal service | 8,156 | 5,787 | 6,318 | 6,438 | 6,722 | 5,907 | 6,091 | 8,362 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 6.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 34,375 | 41,797 | 39,063 | 37,837 | 37,857 | 30,139 | 28,237 | 34,130 |
| Low tech | 49,626 | 49,928 | 49,392 | 49,004 | 52,054 | 44,444 | 41,385 | 50,350 |
| High and medium tech | 89,224 | 93,762 | 90,890 | 93,203 | 96,010 | 81,734 | 75,815 | 86,155 |
| Business service | 54,729 | 56,455 | 54,732 | 54,361 | 57,489 | 50,573 | 49,028 | 55,396 |
| Personal service | 3,003 | 2,175 | 2,117 | 2,162 | 2,295 | 1,955 | 1,857 | 3,027 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 87.18 | 91.64 | 91.09 | 89.59 | 90.26 | 65.45 | 58.59 | 77.47 |
| Low tech | 100.26 | 104.38 | 104.55 | 104.91 | 110.55 | 85.05 | 78.13 | 98.64 |
| High and medium tech | 273.95 | 411.72 | 390.09 | 405.80 | 413.48 | 314.24 | 288.86 | 299.54 |
| Business service | 107.74 | 142.32 | 138.07 | 139.65 | 148.44 | 117.48 | 112.42 | 124.09 |
| Personal service | 6.31 | 5.83 | 5.69 | 5.83 | 6.18 | 4.71 | 4.41 | 7.11 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 6.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.6356 | 0.6314 | 0.6222 | 0.6217 | 0.6300 | 0.6348 | 0.6385 | 0.6156 |
| Mining and quarrying | 0.2460 | 0.2433 | 0.2441 | 0.2427 | 0.2482 | 0.2524 | 0.2562 | 0.2478 |
| Food, beverages, and tobacco | 1.5430 | 1.5887 | 1.5365 | 1.5341 | 1.5439 | 1.5547 | 1.5505 | 1.4789 |
| Textiles and textile products | 0.9560 | 0.9770 | 0.9748 | 0.9747 | 0.9873 | 0.9932 | 1.0040 | 0.9532 |
| Leather, leather products, and footwear | 0.8548 | 0.8873 | 0.8817 | 0.8823 | 0.8946 | 0.9000 | 0.9070 | 0.8638 |
| Wood and products of wood and cork | 1.3627 | 1.3469 | 1.2932 | 1.2915 | 1.3021 | 1.3116 | 1.3175 | 1.2925 |
| Pulp, paper, paper products, printing, and publishing | 1.0697 | 1.0940 | 1.0903 | 1.0953 | 1.1134 | 1.1199 | 1.1306 | 1.0985 |
| Coke, refined petroleum, and nuclear fuel | 0.9684 | 0.8062 | 0.8084 | 0.8027 | 0.8061 | 0.8230 | 0.8354 | 0.8334 |
| Chemicals and chemical products | 1.2257 | 1.1658 | 1.1669 | 1.1727 | 1.1930 | 1.2105 | 1.2249 | 1.1758 |
| Rubber and plastics | 1.6615 | 1.5391 | 1.5412 | 1.5604 | 1.5946 | 1.6085 | 1.6129 | 1.5750 |
| Other nonmetallic minerals | 1.2616 | 1.2094 | 1.1965 | 1.1888 | 1.1945 | 1.2229 | 1.2396 | 1.2141 |
| Basic metals and fabricated metal | 1.1539 | 1.0502 | 1.0506 | 1.0504 | 1.0677 | 1.0801 | 1.0998 | 1.0279 |
| Machinery, nec | 0.9331 | 0.8436 | 0.8469 | 0.8483 | 0.8657 | 0.8749 | 0.8913 | 0.8291 |
| Electrical and optical equipment | 0.8824 | 0.8805 | 0.8905 | 0.8940 | 0.9147 | 0.9235 | 0.9429 | 0.8737 |
| Transport equipment | 1.1325 | 1.0589 | 1.0575 | 1.0618 | 1.0837 | 1.0840 | 1.0987 | 1.0355 |
| Manufacturing, nec; recycling | 0.7170 | 0.9587 | 0.9459 | 0.9466 | 0.9594 | 0.9724 | 0.9817 | 0.9572 |
| Electricity, gas, and water supply | 0.7500 | 0.7551 | 0.7586 | 0.7607 | 0.7716 | 0.7873 | 0.7978 | 0.7867 |
| Construction | 1.1302 | 1.0744 | 1.0620 | 1.0555 | 1.0635 | 1.0766 | 1.0908 | 1.0489 |
| Sale, maintenance, and repair | 0.6702 | 0.5470 | 0.5453 | 0.5480 | 0.5595 | 0.5579 | 0.5639 | 0.5159 |
| Wholesale trade and commission trade | 0.4702 | 0.7906 | 0.7886 | 0.7903 | 0.8017 | 0.8079 | 0.8148 | 0.7885 |
| Retail trade | 0.5015 | 0.6037 | 0.6027 | 0.6039 | 0.6135 | 0.6151 | 0.6181 | 0.5923 |
| Hotels and restaurants | 1.0787 | 1.1142 | 1.0992 | 1.0994 | 1.1092 | 1.1144 | 1.1142 | 1.0704 |
| Inland transport | 1.0758 | 1.0302 | 1.0352 | 1.0379 | 1.0514 | 1.0605 | 1.0710 | 1.0409 |
| Water transport | 0.9808 | 0.9468 | 0.9493 | 0.9498 | 0.9613 | 0.9681 | 0.9790 | 0.9433 |
| Air transport | 1.2058 | 1.1919 | 1.1958 | 1.1987 | 1.2138 | 1.2230 | 1.2369 | 1.1978 |
| Other supporting and auxiliary transport activities | 1.0847 | 1.0774 | 1.0813 | 1.0848 | 1.0987 | 1.1047 | 1.1137 | 1.0819 |
| Post and telecommunications | 1.1532 | 0.9554 | 0.9613 | 0.9668 | 0.9815 | 0.9848 | 0.9936 | 0.9621 |
| Financial intermediation | 0.8605 | 0.8207 | 0.8228 | 0.8224 | 0.8294 | 0.8304 | 0.8342 | 0.8179 |
| Real estate activities | 0.6003 | 0.5869 | 0.5878 | 0.5872 | 0.5928 | 0.5939 | 0.5968 | 0.5849 |
| Renting of M&Eq and other business activities | 0.5245 | 0.5387 | 0.5408 | 0.5428 | 0.5527 | 0.5547 | 0.5598 | 0.5431 |
| Public administration and defense; compulsory social security | 0.7868 | 0.7968 | 0.7989 | 0.8009 | 0.8119 | 0.8154 | 0.8219 | 0.7952 |
| Education | 0.3328 | 0.3441 | 0.3453 | 0.3449 | 0.3510 | 0.3536 | 0.3551 | 0.3518 |
| Health and social work | 0.7383 | 0.7241 | 0.7269 | 0.7321 | 0.7494 | 0.7560 | 0.7656 | 0.7288 |
| Other community, social, and personal services | 0.7693 | 0.8823 | 0.8860 | 0.8896 | 0.9029 | 0.9071 | 0.9146 | 0.8874 |
| Private households with employed persons | 0.2869 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 6.3.4: Net Interregional Multipliers (M2), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.3333 | 0.3290 | 0.3396 | 0.3415 | 0.3364 | 0.3380 | 0.3283 | 0.3590 |
| Mining and quarrying | 0.1719 | 0.1812 | 0.1815 | 0.1828 | 0.1808 | 0.1833 | 0.1801 | 0.1943 |
| Food, beverages, and tobacco | 0.6081 | 0.5269 | 0.5845 | 0.5871 | 0.5818 | 0.5827 | 0.5622 | 0.6009 |
| Textiles and textile products | 0.7845 | 0.7271 | 0.7304 | 0.7397 | 0.7298 | 0.7284 | 0.7110 | 0.7563 |
| Leather, leather products, and footwear | 0.6748 | 0.6179 | 0.6224 | 0.6275 | 0.6171 | 0.6165 | 0.5994 | 0.6418 |
| Wood and products of wood and cork | 0.6228 | 0.5901 | 0.6487 | 0.6524 | 0.6452 | 0.6462 | 0.6262 | 0.6869 |
| Pulp, paper, paper products, printing, and publishing | 0.7712 | 0.7231 | 0.7277 | 0.7317 | 0.7186 | 0.7134 | 0.6927 | 0.7622 |
| Coke, refined petroleum, and nuclear fuel | 0.4507 | 0.4467 | 0.4470 | 0.4608 | 0.4630 | 0.4766 | 0.4710 | 0.5208 |
| Chemicals and chemical products | 0.8428 | 0.8716 | 0.8735 | 0.8797 | 0.8652 | 0.8708 | 0.8529 | 0.9256 |
| Rubber and plastics | 0.8761 | 0.9288 | 0.9340 | 0.9285 | 0.9031 | 0.9054 | 0.8762 | 0.9574 |
| Other nonmetallic minerals | 0.7576 | 0.7339 | 0.7481 | 0.7650 | 0.7623 | 0.7793 | 0.7647 | 0.8338 |
| Basic metals and fabricated metal | 1.2149 | 1.2010 | 1.2112 | 1.2283 | 1.2159 | 1.2197 | 1.1944 | 1.2712 |
| Machinery, nec | 1.2536 | 1.0619 | 1.0664 | 1.0784 | 1.0650 | 1.0673 | 1.0440 | 1.1099 |
| Electrical and optical equipment | 1.2145 | 1.2234 | 1.2180 | 1.2341 | 1.2176 | 1.2231 | 1.1994 | 1.2632 |
| Transport equipment | 1.4652 | 1.3707 | 1.3669 | 1.3767 | 1.3552 | 1.3476 | 1.3123 | 1.4174 |
| Manufacturing, nec; recycling | 0.6642 | 0.6280 | 0.6448 | 0.6498 | 0.6417 | 0.6483 | 0.6311 | 0.6794 |
| Electricity, gas, and water supply | 0.5053 | 0.4433 | 0.4429 | 0.4444 | 0.4357 | 0.4445 | 0.4363 | 0.4747 |
| Construction | 0.8059 | 0.8145 | 0.8331 | 0.8506 | 0.8462 | 0.8541 | 0.8371 | 0.8928 |
| Sale, maintenance, and repair | 0.4515 | 0.5179 | 0.5139 | 0.5179 | 0.5119 | 0.5080 | 0.4947 | 0.5220 |
| Wholesale trade and commission trade | 0.3170 | 0.4716 | 0.4757 | 0.4793 | 0.4720 | 0.4745 | 0.4616 | 0.5005 |
| Retail trade | 0.3378 | 0.3454 | 0.3464 | 0.3479 | 0.3425 | 0.3427 | 0.3340 | 0.3646 |
| Hotels and restaurants | 0.4484 | 0.3760 | 0.3942 | 0.3953 | 0.3897 | 0.3906 | 0.3787 | 0.4040 |
| Inland transport | 0.5644 | 0.5650 | 0.5630 | 0.5675 | 0.5579 | 0.5636 | 0.5501 | 0.5952 |
| Water transport | 0.5441 | 0.5780 | 0.5778 | 0.5819 | 0.5730 | 0.5750 | 0.5619 | 0.6032 |
| Air transport | 0.7722 | 0.7481 | 0.7454 | 0.7524 | 0.7408 | 0.7467 | 0.7289 | 0.7948 |
| Other supporting and auxiliary transport activities | 0.5434 | 0.5209 | 0.5190 | 0.5206 | 0.5107 | 0.5117 | 0.4989 | 0.5382 |
| Post and telecommunications | 0.3872 | 0.4639 | 0.4570 | 0.4573 | 0.4481 | 0.4483 | 0.4373 | 0.4678 |
| Financial intermediation | 0.2197 | 0.2283 | 0.2252 | 0.2256 | 0.2211 | 0.2210 | 0.2165 | 0.2341 |
| Real estate activities | 0.1722 | 0.1562 | 0.1550 | 0.1553 | 0.1526 | 0.1537 | 0.1511 | 0.1625 |
| Renting of M&Eq and other business activities | 0.3412 | 0.3118 | 0.3103 | 0.3098 | 0.3032 | 0.3016 | 0.2931 | 0.3198 |
| Public administration and defense; compulsory social security | 0.4164 | 0.3826 | 0.3818 | 0.3824 | 0.3752 | 0.3766 | 0.3666 | 0.3936 |
| Education | 0.2099 | 0.1815 | 0.1800 | 0.1791 | 0.1747 | 0.1763 | 0.1698 | 0.1876 |
| Health and social work | 0.6677 | 0.6440 | 0.6465 | 0.6479 | 0.6346 | 0.6334 | 0.6184 | 0.6692 |
| Other community, social, and personal services | 0.4347 | 0.4459 | 0.4428 | 0.4430 | 0.4335 | 0.4343 | 0.4216 | 0.4489 |
| Private households with employed persons | 0.2559 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 6.3.5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0010 | 0.0009 | 0.0009 | 0.0009 | 0.0009 | 0.0008 | 0.0007 | 0.0009 |
| Mining and quarrying | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0004 | 0.0004 | 0.0005 |
| Food, beverages, and tobacco | 0.0018 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0012 | 0.0011 | 0.0014 |
| Textiles and textile products | 0.0023 | 0.0021 | 0.0020 | 0.0020 | 0.0019 | 0.0017 | 0.0015 | 0.0019 |
| Leather, leather products, and footwear | 0.0019 | 0.0017 | 0.0016 | 0.0016 | 0.0016 | 0.0014 | 0.0012 | 0.0015 |
| Wood and products of wood and cork | 0.0019 | 0.0017 | 0.0017 | 0.0016 | 0.0016 | 0.0014 | 0.0013 | 0.0016 |
| Pulp, paper, paper products, printing, and publishing | 0.0021 | 0.0020 | 0.0019 | 0.0019 | 0.0019 | 0.0016 | 0.0015 | 0.0019 |
| Coke, refined petroleum, and nuclear fuel | 0.0013 | 0.0009 | 0.0008 | 0.0008 | 0.0009 | 0.0008 | 0.0007 | 0.0009 |
| Chemicals and chemical products | 0.0027 | 0.0026 | 0.0025 | 0.0025 | 0.0025 | 0.0022 | 0.0020 | 0.0025 |
| Rubber and plastics | 0.0029 | 0.0033 | 0.0031 | 0.0030 | 0.0029 | 0.0025 | 0.0022 | 0.0029 |
| Other nonmetallic minerals | 0.0022 | 0.0019 | 0.0018 | 0.0018 | 0.0018 | 0.0016 | 0.0015 | 0.0019 |
| Basic metals and fabricated metal | 0.0030 | 0.0029 | 0.0028 | 0.0028 | 0.0028 | 0.0025 | 0.0023 | 0.0027 |
| Machinery, nec | 0.0052 | 0.0032 | 0.0029 | 0.0030 | 0.0030 | 0.0027 | 0.0025 | 0.0028 |
| Electrical and optical equipment | 0.0061 | 0.0087 | 0.0077 | 0.0079 | 0.0077 | 0.0067 | 0.0064 | 0.0063 |
| Transport equipment | 0.0051 | 0.0062 | 0.0056 | 0.0055 | 0.0053 | 0.0046 | 0.0043 | 0.0046 |
| Manufacturing, nec; recycling | 0.0022 | 0.0019 | 0.0018 | 0.0018 | 0.0018 | 0.0016 | 0.0014 | 0.0017 |
| Electricity, gas, and water supply | 0.0014 | 0.0012 | 0.0011 | 0.0011 | 0.0011 | 0.0010 | 0.0009 | 0.0011 |
| Construction | 0.0024 | 0.0026 | 0.0024 | 0.0024 | 0.0024 | 0.0022 | 0.0020 | 0.0023 |
| Sale, maintenance, and repair | 0.0015 | 0.0017 | 0.0016 | 0.0015 | 0.0015 | 0.0013 | 0.0012 | 0.0014 |
| Wholesale trade and commission trade | 0.0010 | 0.0017 | 0.0016 | 0.0016 | 0.0016 | 0.0014 | 0.0013 | 0.0015 |
| Retail trade | 0.0011 | 0.0012 | 0.0011 | 0.0011 | 0.0010 | 0.0009 | 0.0008 | 0.0010 |
| Hotels and restaurants | 0.0013 | 0.0011 | 0.0010 | 0.0010 | 0.0010 | 0.0009 | 0.0008 | 0.0010 |
| Inland transport | 0.0021 | 0.0017 | 0.0016 | 0.0016 | 0.0015 | 0.0014 | 0.0013 | 0.0015 |
| Water transport | 0.0017 | 0.0015 | 0.0015 | 0.0015 | 0.0014 | 0.0013 | 0.0012 | 0.0014 |
| Air transport | 0.0027 | 0.0021 | 0.0020 | 0.0020 | 0.0019 | 0.0017 | 0.0016 | 0.0019 |
| Other supporting and auxiliary transport activities | 0.0020 | 0.0016 | 0.0015 | 0.0015 | 0.0015 | 0.0013 | 0.0012 | 0.0014 |
| Post and telecommunications | 0.0013 | 0.0018 | 0.0017 | 0.0017 | 0.0016 | 0.0014 | 0.0013 | 0.0014 |
| Financial intermediation | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0005 | 0.0005 | 0.0004 | 0.0005 |
| Real estate activities | 0.0005 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0003 | 0.0003 | 0.0004 |
| Renting of M&Eq and other business activities | 0.0009 | 0.0010 | 0.0009 | 0.0009 | 0.0008 | 0.0007 | 0.0007 | 0.0008 |
| Public administration and defense; compulsory social security | 0.0013 | 0.0013 | 0.0012 | 0.0012 | 0.0012 | 0.0010 | 0.0009 | 0.0011 |
| Education | 0.0008 | 0.0009 | 0.0008 | 0.0008 | 0.0007 | 0.0006 | 0.0006 | 0.0006 |
| Health and social work | 0.0023 | 0.0023 | 0.0022 | 0.0022 | 0.0021 | 0.0019 | 0.0017 | 0.0021 |
| Other community, social, and personal services | 0.0013 | 0.0016 | 0.0015 | 0.0015 | 0.0014 | 0.0013 | 0.0012 | 0.0012 |
| Private households with employed persons | 0.0007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 6.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 13,156 | 12,025 | 19,888 | 17,854 | 18,188 | 16,346 | 16,910 | 15,215 | 15,885 | 14,316 | 12,443 | 11,208 | 11,745 | 10,591 | 13,995 | 12,516 |
| Low tech | 35,927 | 25,499 | 44,389 | 32,939 | 44,264 | 31,861 | 44,026 | 31,691 | 44,615 | 32,290 | 37,643 | 27,273 | 35,572 | 26,051 | 41,615 | 29,393 |
| High and medium tech | 71,360 | 42,995 | 81,755 | 49,536 | 80,963 | 49,275 | 79,543 | 48,507 | 82,514 | 50,626 | 69,619 | 42,817 | 65,789 | 40,978 | 71,743 | 44,006 |
| Utilities | 1,745 | 1,381 | 383 | 312 | 376 | 307 | 359 | 293 | 395 | 324 | 323 | 265 | 310 | 255 | 340 | 274 |
| Construction | 1,923 | 1,330 | 1,923 | 1,328 | 2,876 | 1,973 | 2,843 | 1,945 | 4,396 | 3,016 | 3,965 | 2,720 | 3,979 | 2,756 | 4,480 | 3,009 |
| Trade and repair services | 14,740 | 12,645 | 19,851 | 16,420 | 19,488 | 16,102 | 19,273 | 15,929 | 20,130 | 16,688 | 17,869 | 14,834 | 17,489 | 14,589 | 20,463 | 16,764 |
| Tourism | 2,092 | 1,701 | 94 | 79 | 92 | 77 | 134 | 112 | 174 | 146 | 156 | 131 | 158 | 133 | 182 | 151 |
| Transport services | 8,874 | 6,650 | 7,684 | 5,811 | 7,553 | 5,723 | 7,426 | 5,637 | 7,533 | 5,749 | 6,554 | 5,010 | 6,404 | 4,928 | 7,150 | 5,364 |
| ICT services | 6,323 | 5,289 | 3,041 | 2,402 | 2,996 | 2,377 | 2,771 | 2,206 | 2,928 | 2,345 | 2,613 | 2,096 | 2,589 | 2,086 | 2,914 | 2,306 |
| Finance and insurance services | 2,994 | 2,698 | 943 | 842 | 925 | 826 | 932 | 833 | 1,004 | 899 | 822 | 737 | 773 | 694 | 844 | 751 |
| Property services | 327 | 275 | 738 | 638 | 716 | 619 | 979 | 849 | 1,123 | 975 | 994 | 864 | 992 | 865 | 1,122 | 966 |
| Public and welfare services | 2,213 | 1,825 | 1,322 | 1,069 | 1,262 | 1,023 | 1,307 | 1,065 | 1,553 | 1,278 | 1,326 | 1,091 | 1,273 | 1,053 | 1,970 | 1,597 |
| Services provided by private households | 255 | 226 | 336 | 336 | 329 | 328 | 326 | 326 | 335 | 335 | 288 | 287 | 275 | 275 | 467 | 466 |

\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 6.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 0.747 | 1.798 | 0.897 | 1.764 | 0.831 | 1.740 | 0.829 | 1.778 | 0.802 | 1.827 | 0.831 | 1.862 | 0.844 | 1.899 | 0.848 | 1.958 |
| Low tech | 1.538 | 0.806 | 1.718 | 0.994 | 1.744 | 0.992 | 1.707 | 0.985 | 1.643 | 0.947 | 1.627 | 0.959 | 1.617 | 0.938 | 1.661 | 0.976 |
| High and medium tech | 0.941 | 0.884 | 0.959 | 0.925 | 0.970 | 0.950 | 0.977 | 0.961 | 0.981 | 0.964 | 0.971 | 0.984 | 0.975 | 0.978 | 0.933 | 0.925 |
| Utilities | 2.406 | 1.031 | 0.470 | 0.689 | 0.459 | 0.708 | 0.438 | 0.719 | 0.461 | 0.762 | 0.430 | 0.725 | 0.348 | 0.718 | 0.403 | 0.665 |
| Construction | 3.023 | 1.176 | 2.749 | 1.152 | 3.937 | 1.419 | 2.985 | 1.340 | 4.684 | 1.797 | 4.819 | 1.968 | 4.407 | 1.983 | 5.115 | 2.030 |
| Trade and repair services | 1.163 | 1.281 | 1.408 | 1.309 | 1.359 | 1.297 | 1.392 | 1.301 | 1.404 | 1.302 | 1.441 | 1.334 | 1.471 | 1.363 | 1.527 | 1.362 |
| Tourism | 1.224 | 0.987 | 0.049 | 0.342 | 0.049 | 0.339 | 0.072 | 0.349 | 0.088 | 0.353 | 0.094 | 0.365 | 0.087 | 0.361 | 0.101 | 0.365 |
| Transport services | 0.919 | 0.699 | 0.756 | 0.628 | 0.741 | 0.627 | 0.759 | 0.629 | 0.741 | 0.619 | 0.749 | 0.629 | 0.779 | 0.651 | 0.764 | 0.623 |
| ICT services | 5.820 | 2.834 | 2.650 | 1.850 | 2.406 | 1.862 | 2.284 | 1.831 | 2.310 | 1.880 | 2.405 | 1.943 | 2.385 | 1.885 | 2.232 | 1.567 |
| Finance and insurance services | 0.600 | 1.031 | 0.178 | 0.974 | 0.177 | 0.951 | 0.176 | 0.928 | 0.180 | 0.913 | 0.170 | 0.847 | 0.161 | 0.828 | 0.161 | 0.791 |
| Property services | 0.031 | 0.182 | 0.063 | 0.221 | 0.062 | 0.224 | 0.082 | 0.230 | 0.087 | 0.235 | 0.087 | 0.239 | 0.089 | 0.245 | 0.088 | 0.243 |
| Public and welfare services | 0.732 | 0.576 | 0.416 | 0.312 | 0.389 | 0.310 | 0.385 | 0.311 | 0.447 | 0.332 | 0.430 | 0.322 | 0.408 | 0.312 | 0.620 | 0.449 |
| Services provided by private households | 3.702 | 7.582 | 3.871 | 5.537 | 3.178 | 4.669 | 4.480 | 6.394 | 5.558 | 7.994 | 6.178 | 8.816 | 6.801 | 9.599 | 10.532 | 14.185 |

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

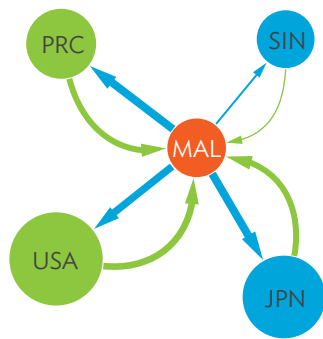
Source: Asian Development Bank Multi-Regional Input-Output Database.

6.4

GLOBAL VALUE CHAIN INDICATORS

Malaysia

Figure 6.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



● Economy in focus ● Import partner ● Export partner

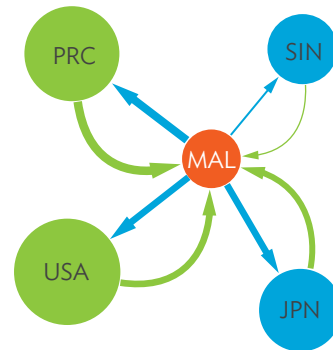
JPN = Japan, MAL = Malaysia, PRC = People's Republic of China, SIN = Singapore, USA = United States.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



● Economy in focus ● Import partner ● Export partner

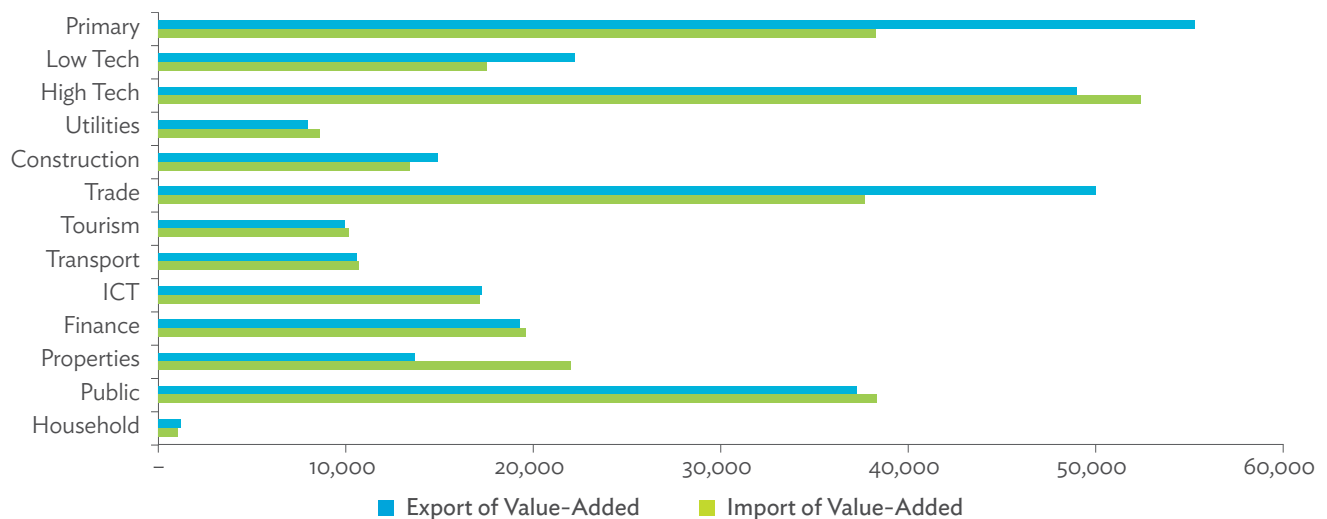
JPN = Japan, MAL = Malaysia, PRC = People's Republic of China, SIN = Singapore, USA = United States.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 6.4.2: Trade in Value-Added by Industry, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

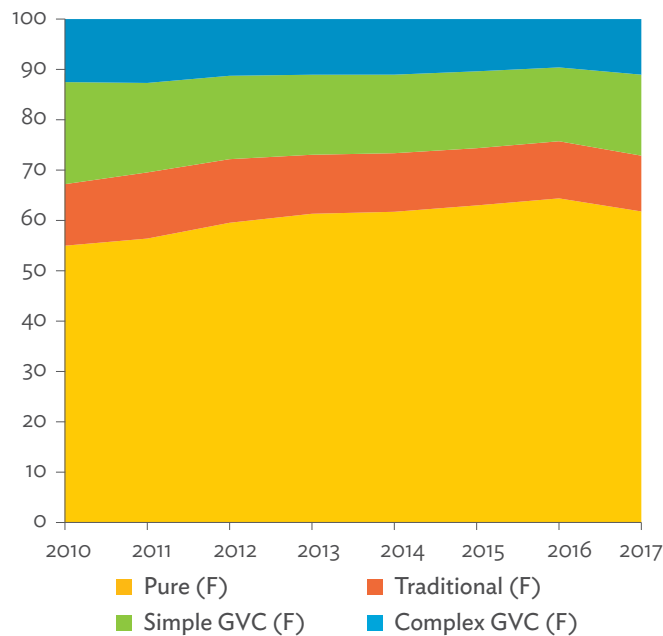
Figure 6.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

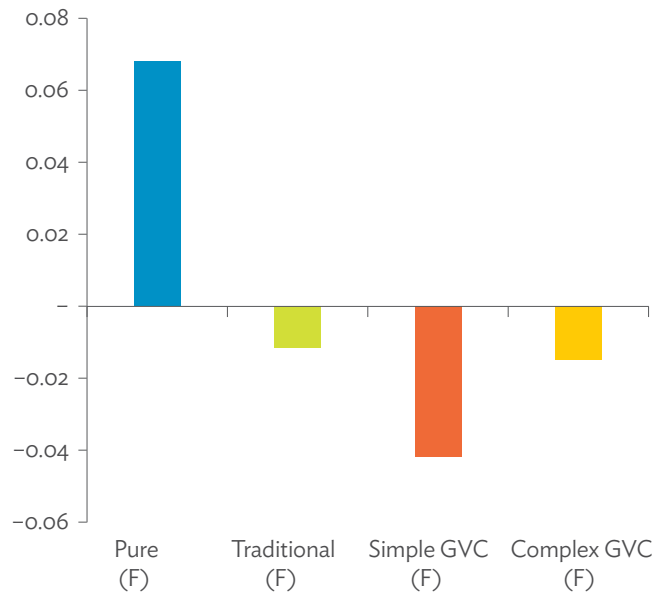
Figure 6.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

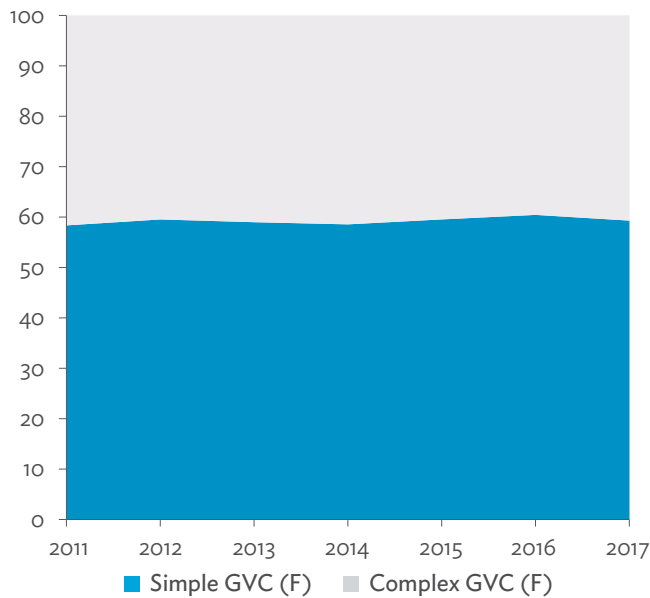
Figure 6.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 6.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)

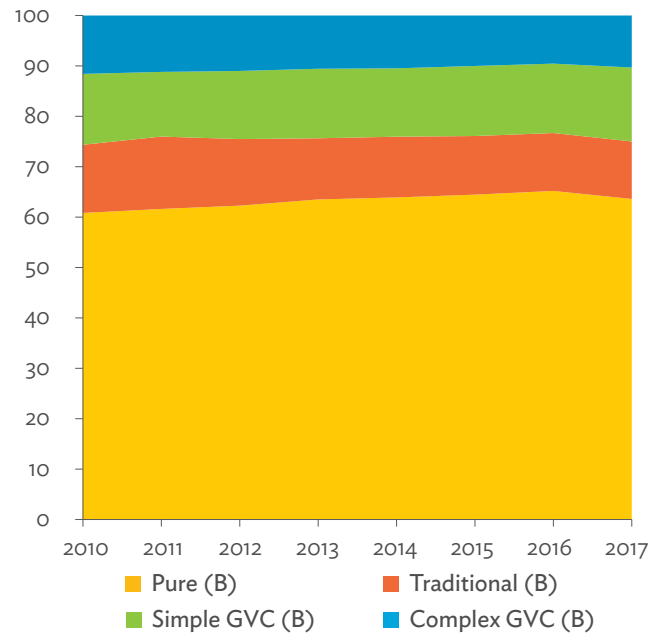


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 6.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)

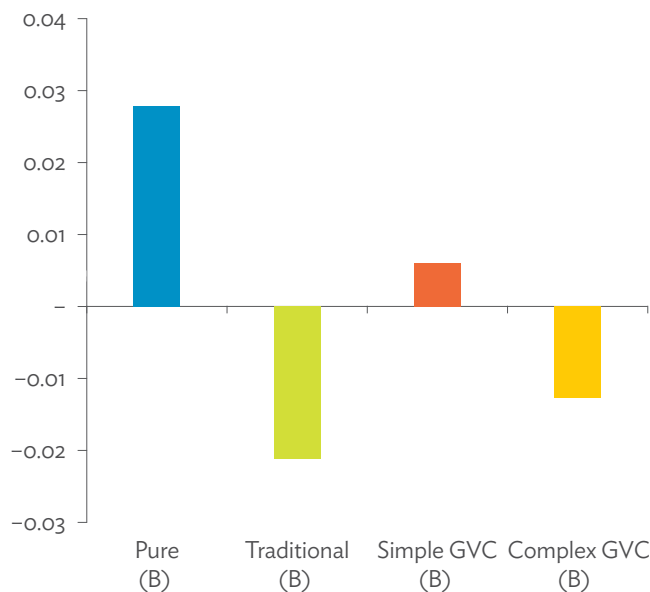


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



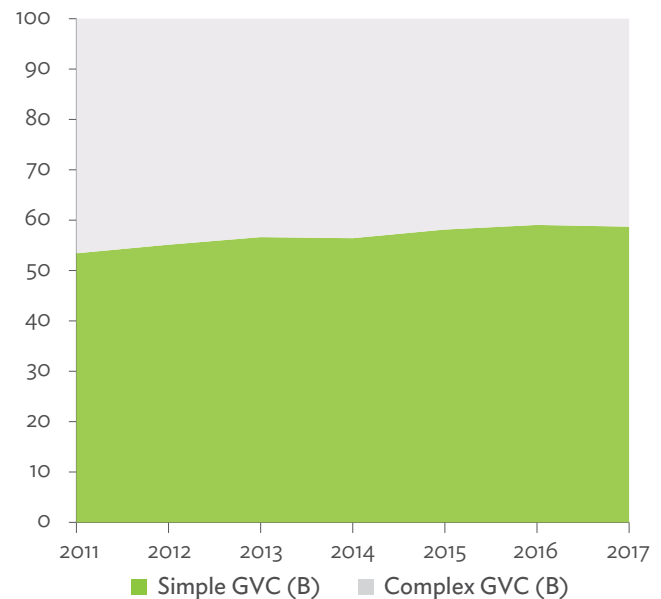
GVC = global value chain.

Note: Share in 2017 minus share in 2010, in percentage points.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 6.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)

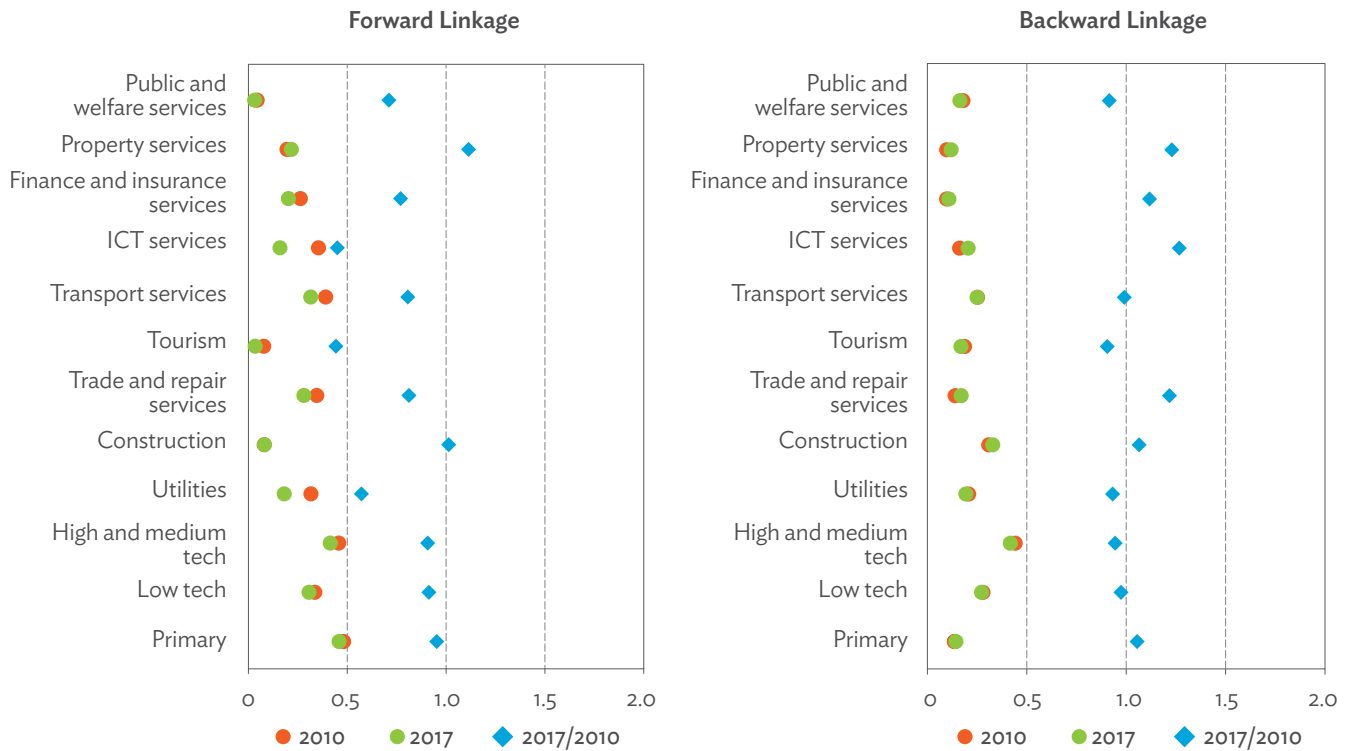


GVC = global value chain.

Source: Asian Development Bank Multi-Regional Input-Output Database.

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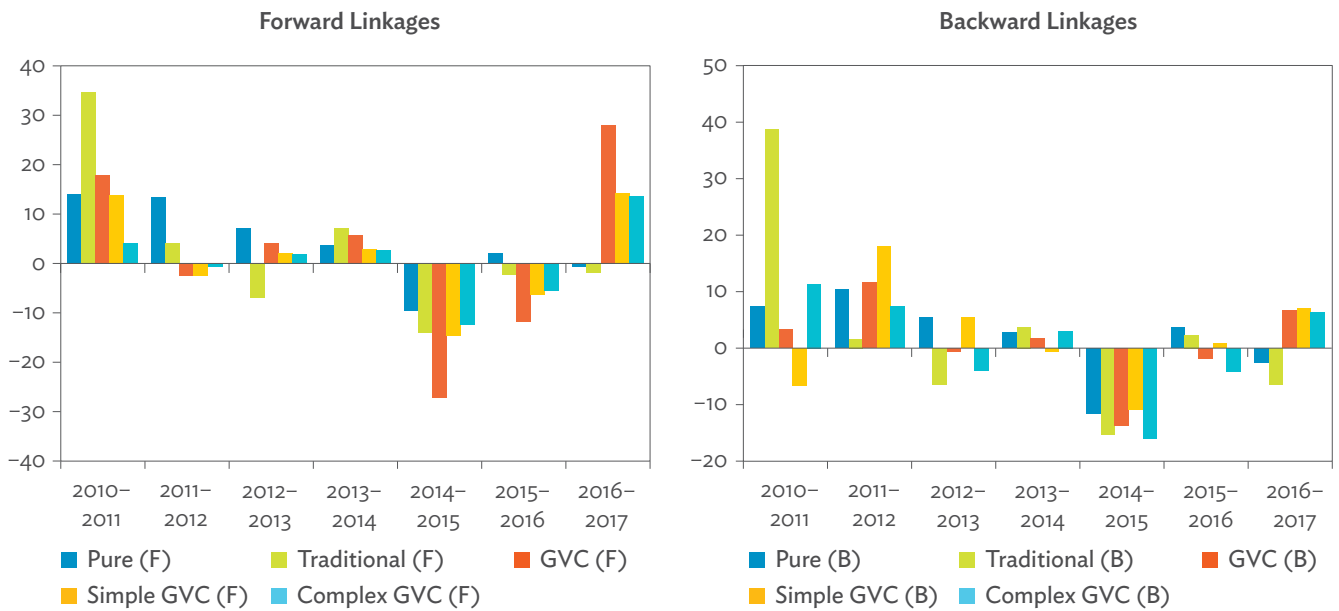
Figure 6.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 6.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

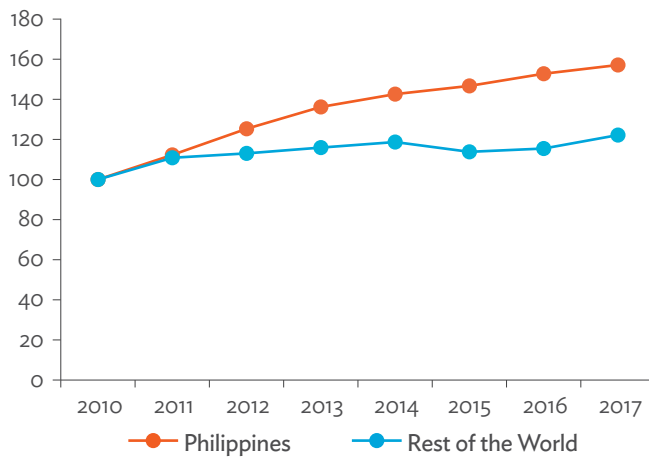
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7.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Philippines

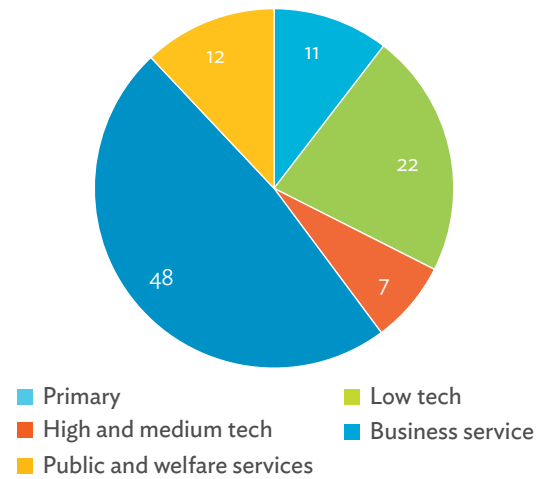
Figure 7.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

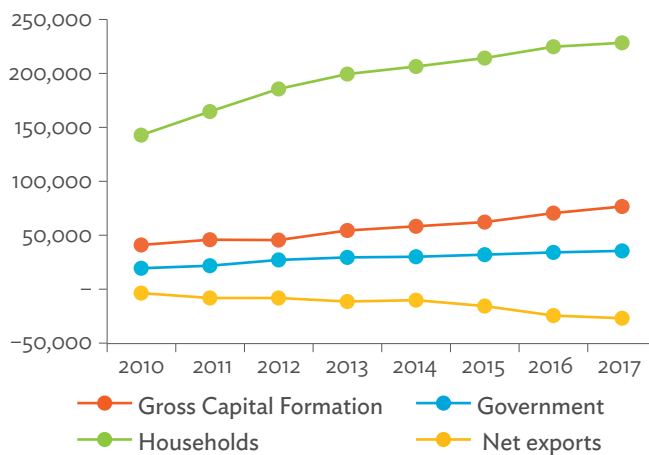
Figure 7.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

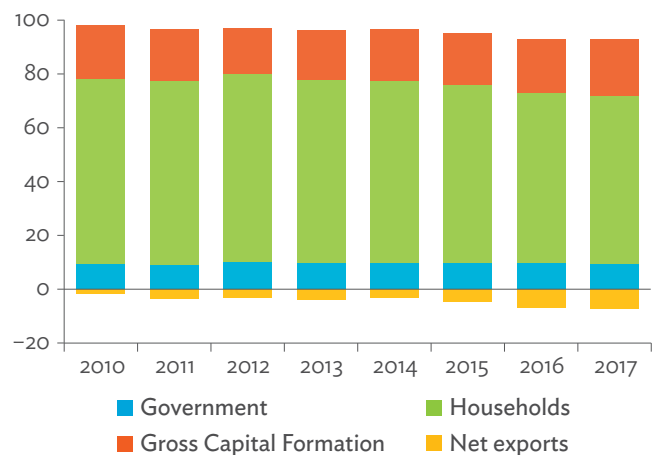
Figure 7.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

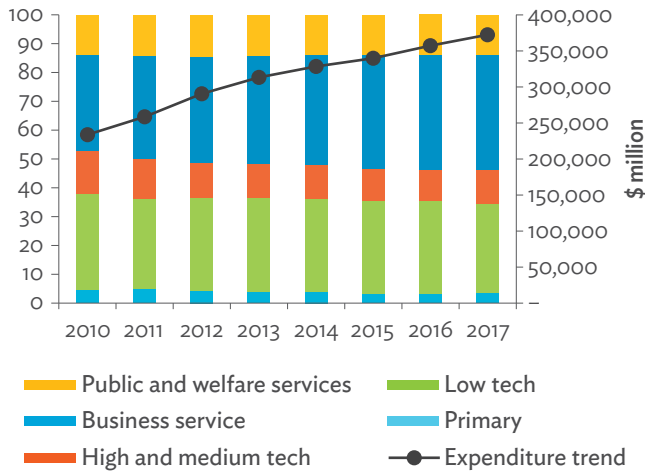
Figure 7.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

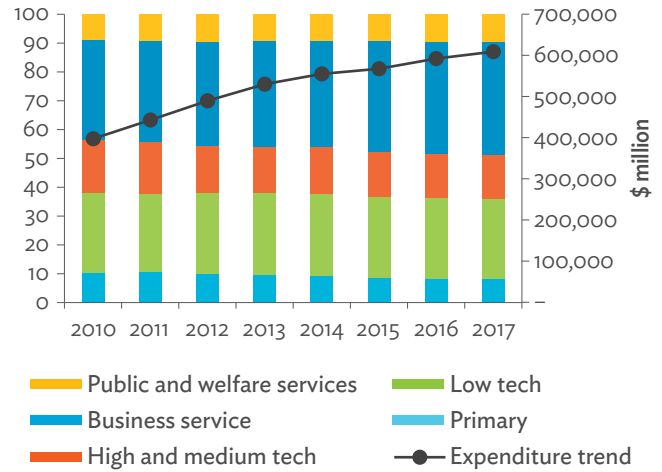
Figure 7.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

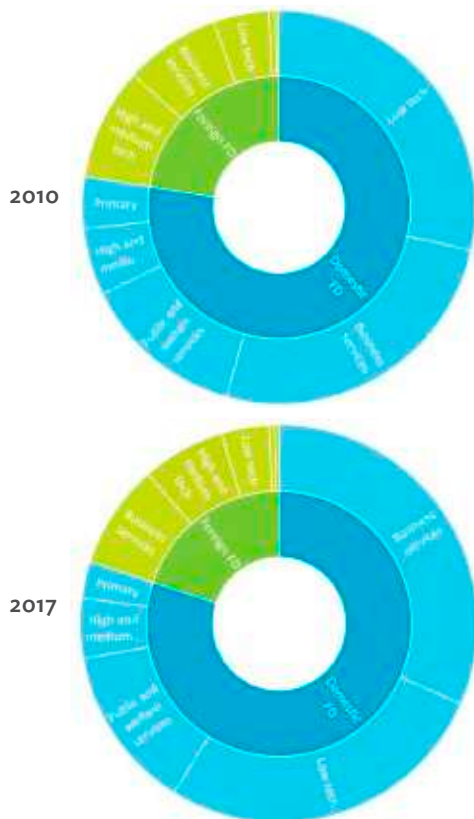
Figure 7.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

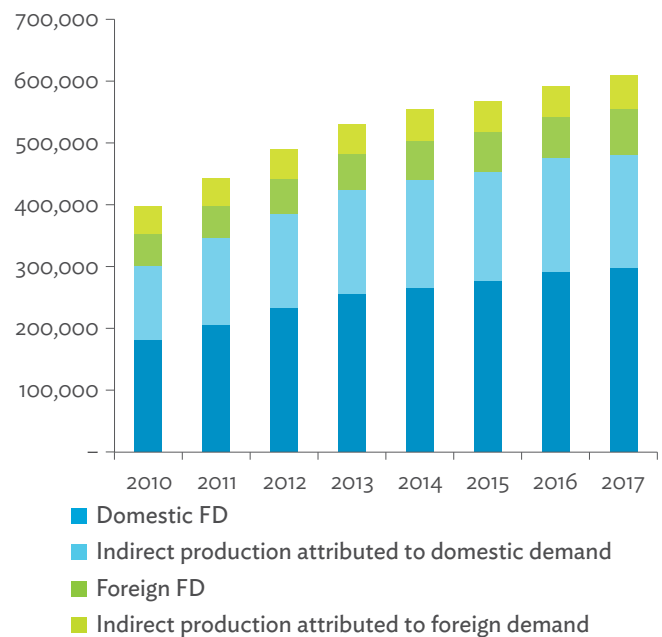
Figure 7.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

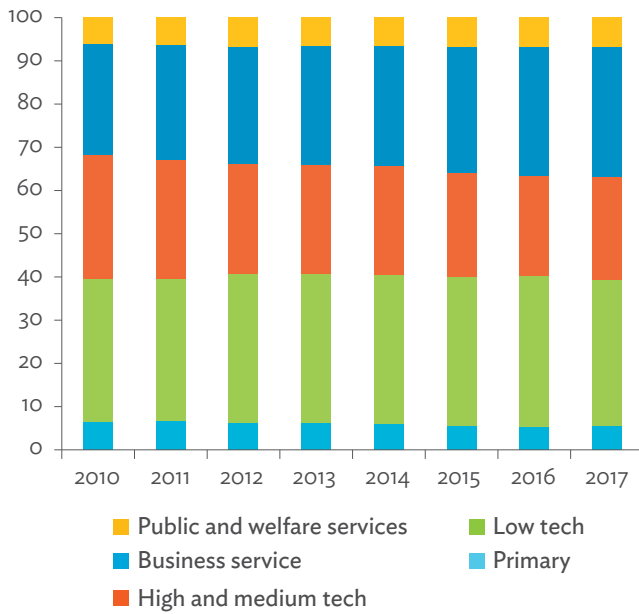
Figure 7.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

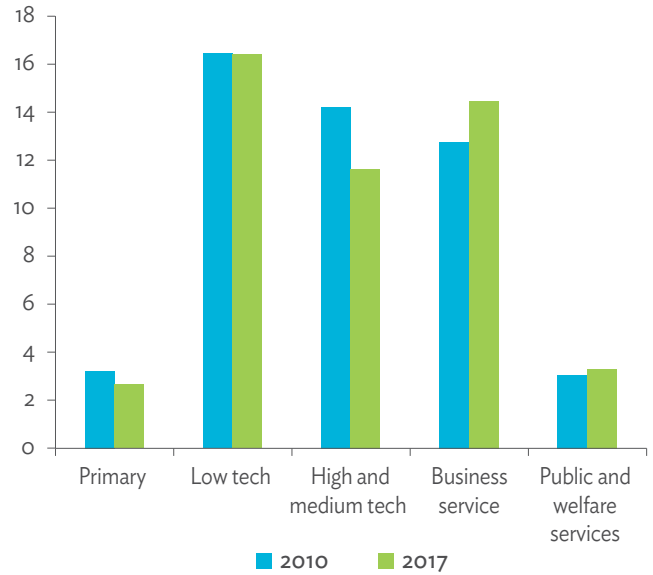
Figure 7.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

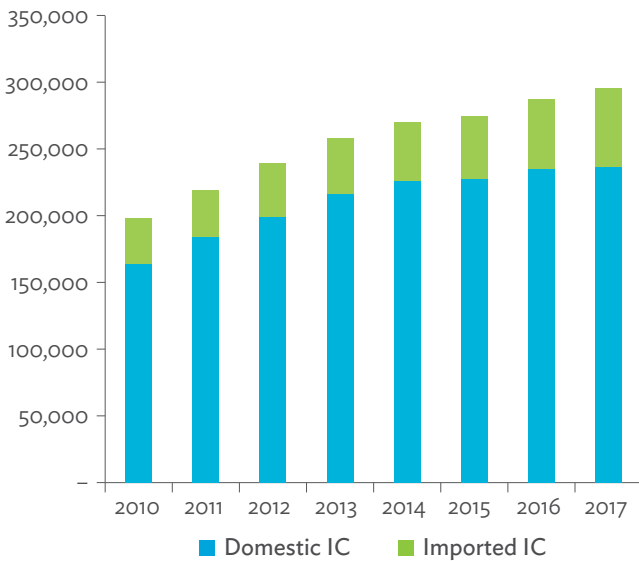
Figure 7.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 7.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

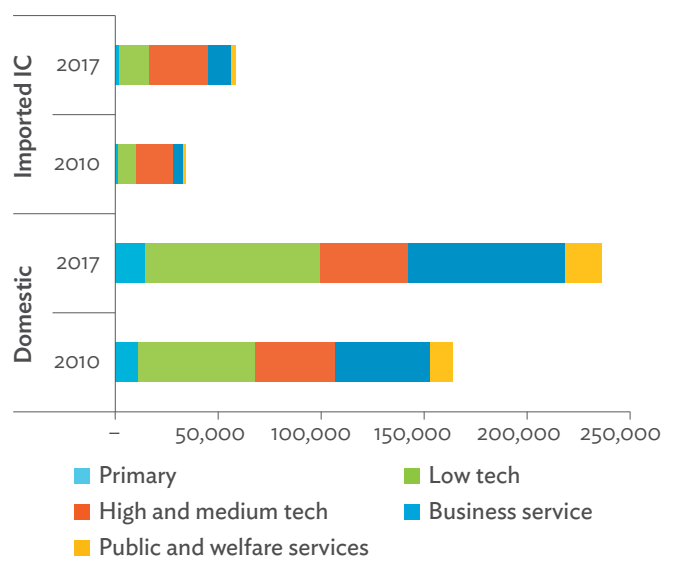


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 7.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

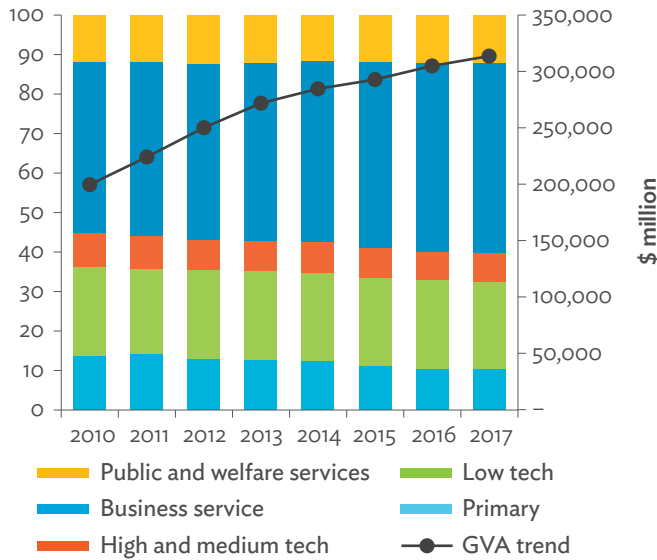


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

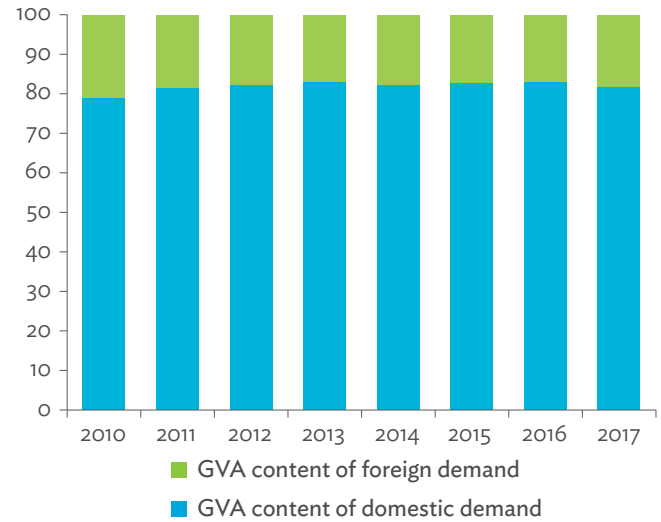
Figure 7.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

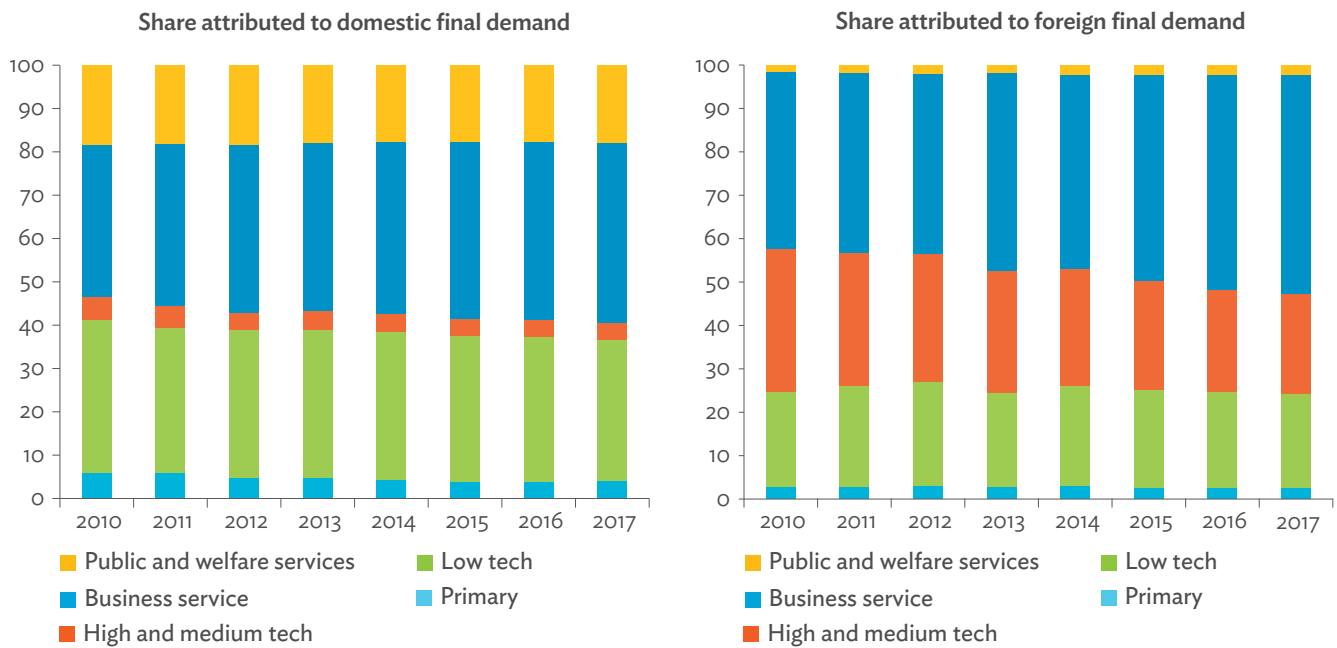
Figure 7.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 7.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 7.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.926 | 0.931 | 0.927 | 0.936 | 0.941 | 0.938 | 0.931 | 0.925 |
| Mining and quarrying | 0.878 | 0.895 | 0.876 | 0.876 | 0.871 | 0.875 | 0.868 | 0.857 |
| Food, beverages, and tobacco | 0.898 | 0.899 | 0.894 | 0.902 | 0.903 | 0.897 | 0.888 | 0.879 |
| Textiles and textile products | 0.764 | 0.802 | 0.806 | 0.804 | 0.792 | 0.789 | 0.769 | 0.753 |
| Leather, leather products, and footwear | 0.730 | 0.771 | 0.788 | 0.776 | 0.753 | 0.740 | 0.729 | 0.713 |
| Wood and products of wood and cork | 0.823 | 0.860 | 0.847 | 0.863 | 0.871 | 0.866 | 0.857 | 0.845 |
| Pulp, paper, paper products, printing, and publishing | 0.743 | 0.810 | 0.802 | 0.826 | 0.837 | 0.829 | 0.818 | 0.804 |
| Coke, refined petroleum, and nuclear fuel | 0.538 | 0.684 | 0.523 | 0.521 | 0.501 | 0.474 | 0.444 | 0.409 |
| Chemicals and chemical products | 0.685 | 0.722 | 0.696 | 0.762 | 0.792 | 0.793 | 0.782 | 0.763 |
| Rubber and plastics | 0.713 | 0.746 | 0.706 | 0.728 | 0.736 | 0.730 | 0.715 | 0.691 |
| Other nonmetallic minerals | 0.701 | 0.778 | 0.701 | 0.711 | 0.707 | 0.691 | 0.682 | 0.658 |
| Basic metals and fabricated metal | 0.602 | 0.692 | 0.583 | 0.581 | 0.561 | 0.541 | 0.515 | 0.483 |
| Machinery, nec | 0.682 | 0.719 | 0.665 | 0.665 | 0.650 | 0.626 | 0.608 | 0.579 |
| Electrical and optical equipment | 0.618 | 0.549 | 0.562 | 0.568 | 0.556 | 0.532 | 0.500 | 0.479 |
| Transport equipment | 0.758 | 0.753 | 0.741 | 0.747 | 0.739 | 0.724 | 0.707 | 0.688 |
| Manufacturing, nec; recycling | 0.685 | 0.805 | 0.791 | 0.800 | 0.797 | 0.786 | 0.772 | 0.755 |
| Electricity, gas, and water supply | 0.908 | 0.930 | 0.909 | 0.910 | 0.905 | 0.902 | 0.896 | 0.888 |
| Construction | 0.780 | 0.842 | 0.808 | 0.810 | 0.799 | 0.789 | 0.777 | 0.761 |
| Sale, maintenance, and repair | 0.907 | 0.901 | 0.902 | 0.904 | 0.900 | 0.894 | 0.889 | 0.883 |
| Wholesale trade and commission trade | 0.948 | 0.953 | 0.943 | 0.945 | 0.944 | 0.941 | 0.937 | 0.932 |
| Retail trade | 0.955 | 0.955 | 0.948 | 0.952 | 0.952 | 0.950 | 0.946 | 0.942 |
| Hotels and restaurants | 0.891 | 0.883 | 0.884 | 0.895 | 0.899 | 0.892 | 0.884 | 0.875 |
| Inland transport | 0.801 | 0.818 | 0.784 | 0.782 | 0.770 | 0.764 | 0.752 | 0.734 |
| Water transport | 0.802 | 0.828 | 0.777 | 0.775 | 0.763 | 0.744 | 0.751 | 0.729 |
| Air transport | 0.736 | 0.774 | 0.715 | 0.707 | 0.688 | 0.687 | 0.674 | 0.643 |
| Other supporting and auxiliary transport activities | 0.877 | 0.885 | 0.877 | 0.881 | 0.879 | 0.874 | 0.868 | 0.857 |
| Post and telecommunications | 0.903 | 0.890 | 0.892 | 0.897 | 0.896 | 0.891 | 0.886 | 0.879 |
| Financial intermediation | 0.953 | 0.953 | 0.951 | 0.956 | 0.957 | 0.955 | 0.952 | 0.948 |
| Real estate activities | 0.965 | 0.970 | 0.966 | 0.968 | 0.969 | 0.967 | 0.965 | 0.962 |
| Renting of M&Eq and other business activities | 0.939 | 0.939 | 0.936 | 0.941 | 0.942 | 0.940 | 0.937 | 0.932 |
| Public administration and defense; compulsory social security | 0.960 | 0.959 | 0.958 | 0.961 | 0.961 | 0.960 | 0.957 | 0.954 |
| Education | 0.943 | 0.953 | 0.951 | 0.954 | 0.953 | 0.951 | 0.948 | 0.944 |
| Health and social work | 0.885 | 0.889 | 0.887 | 0.904 | 0.914 | 0.909 | 0.904 | 0.897 |
| Other community, social, and personal services | 0.874 | 0.885 | 0.883 | 0.887 | 0.885 | 0.879 | 0.873 | 0.863 |
| Private households with employed persons | 0.970 | 0.970 | 0.971 | 0.974 | 0.974 | 0.973 | 0.970 | 0.967 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 7.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.074 | 0.069 | 0.073 | 0.064 | 0.059 | 0.062 | 0.069 | 0.075 |
| Mining and quarrying | 0.122 | 0.105 | 0.124 | 0.124 | 0.129 | 0.125 | 0.132 | 0.143 |
| Food, beverages, and tobacco | 0.102 | 0.101 | 0.106 | 0.098 | 0.097 | 0.103 | 0.112 | 0.121 |
| Textiles and textile products | 0.236 | 0.198 | 0.194 | 0.196 | 0.208 | 0.211 | 0.231 | 0.247 |
| Leather, leather products, and footwear | 0.270 | 0.229 | 0.212 | 0.224 | 0.247 | 0.260 | 0.271 | 0.287 |
| Wood and products of wood and cork | 0.177 | 0.140 | 0.153 | 0.137 | 0.129 | 0.134 | 0.143 | 0.155 |
| Pulp, paper, paper products, printing, and publishing | 0.257 | 0.190 | 0.198 | 0.174 | 0.163 | 0.171 | 0.182 | 0.196 |
| Coke, refined petroleum, and nuclear fuel | 0.462 | 0.316 | 0.477 | 0.479 | 0.499 | 0.526 | 0.556 | 0.591 |
| Chemicals and chemical products | 0.315 | 0.278 | 0.304 | 0.238 | 0.208 | 0.207 | 0.218 | 0.237 |
| Rubber and plastics | 0.287 | 0.254 | 0.294 | 0.272 | 0.264 | 0.270 | 0.285 | 0.309 |
| Other nonmetallic minerals | 0.299 | 0.222 | 0.299 | 0.289 | 0.293 | 0.309 | 0.318 | 0.342 |
| Basic metals and fabricated metal | 0.398 | 0.308 | 0.417 | 0.419 | 0.439 | 0.459 | 0.485 | 0.517 |
| Machinery, nec | 0.318 | 0.281 | 0.335 | 0.335 | 0.350 | 0.374 | 0.392 | 0.421 |
| Electrical and optical equipment | 0.382 | 0.451 | 0.438 | 0.432 | 0.444 | 0.468 | 0.500 | 0.521 |
| Transport equipment | 0.242 | 0.247 | 0.259 | 0.253 | 0.261 | 0.276 | 0.293 | 0.312 |
| Manufacturing, nec; recycling | 0.315 | 0.195 | 0.209 | 0.200 | 0.203 | 0.214 | 0.228 | 0.245 |
| Electricity, gas, and water supply | 0.092 | 0.070 | 0.091 | 0.090 | 0.095 | 0.098 | 0.104 | 0.112 |
| Construction | 0.220 | 0.158 | 0.192 | 0.190 | 0.201 | 0.211 | 0.223 | 0.239 |
| Sale, maintenance, and repair | 0.093 | 0.099 | 0.098 | 0.096 | 0.100 | 0.106 | 0.111 | 0.117 |
| Wholesale trade and commission trade | 0.052 | 0.047 | 0.057 | 0.055 | 0.056 | 0.059 | 0.063 | 0.068 |
| Retail trade | 0.045 | 0.045 | 0.052 | 0.048 | 0.048 | 0.050 | 0.054 | 0.058 |
| Hotels and restaurants | 0.109 | 0.117 | 0.116 | 0.105 | 0.101 | 0.108 | 0.116 | 0.125 |
| Inland transport | 0.199 | 0.182 | 0.216 | 0.218 | 0.230 | 0.236 | 0.248 | 0.266 |
| Water transport | 0.198 | 0.172 | 0.223 | 0.225 | 0.237 | 0.256 | 0.249 | 0.271 |
| Air transport | 0.264 | 0.226 | 0.285 | 0.293 | 0.312 | 0.313 | 0.326 | 0.357 |
| Other supporting and auxiliary transport activities | 0.123 | 0.115 | 0.123 | 0.119 | 0.121 | 0.126 | 0.132 | 0.143 |
| Post and telecommunications | 0.097 | 0.110 | 0.108 | 0.103 | 0.104 | 0.109 | 0.114 | 0.121 |
| Financial intermediation | 0.047 | 0.047 | 0.049 | 0.044 | 0.043 | 0.045 | 0.048 | 0.052 |
| Real estate activities | 0.035 | 0.030 | 0.034 | 0.032 | 0.031 | 0.033 | 0.035 | 0.038 |
| Renting of M&Eq and other business activities | 0.061 | 0.061 | 0.064 | 0.059 | 0.058 | 0.060 | 0.063 | 0.068 |
| Public administration and defense; compulsory social security | 0.040 | 0.041 | 0.042 | 0.039 | 0.039 | 0.040 | 0.043 | 0.046 |
| Education | 0.057 | 0.047 | 0.049 | 0.046 | 0.047 | 0.049 | 0.052 | 0.056 |
| Health and social work | 0.115 | 0.111 | 0.113 | 0.096 | 0.086 | 0.091 | 0.096 | 0.103 |
| Other community, social, and personal services | 0.126 | 0.115 | 0.117 | 0.113 | 0.115 | 0.121 | 0.127 | 0.137 |
| Private households with employed persons | 0.030 | 0.030 | 0.029 | 0.026 | 0.026 | 0.027 | 0.030 | 0.033 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 7.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.464 | 1.474 | 1.468 | 1.491 | 1.512 | 1.507 | 1.524 | 1.514 |
| Mining and quarrying | 1.402 | 1.439 | 1.400 | 1.406 | 1.406 | 1.370 | 1.355 | 1.338 |
| Food, beverages, and tobacco | 2.032 | 2.039 | 2.036 | 2.058 | 2.071 | 2.066 | 2.070 | 2.051 |
| Textiles and textile products | 1.716 | 1.804 | 1.816 | 1.809 | 1.784 | 1.733 | 1.731 | 1.697 |
| Leather, leather products, and footwear | 1.803 | 1.906 | 1.945 | 1.919 | 1.877 | 1.837 | 1.787 | 1.749 |
| Wood and products of wood and cork | 1.912 | 1.982 | 1.959 | 2.001 | 2.033 | 2.019 | 2.008 | 1.988 |
| Pulp, paper, paper products, printing, and publishing | 1.942 | 2.100 | 2.087 | 2.165 | 2.213 | 2.196 | 2.176 | 2.147 |
| Coke, refined petroleum, and nuclear fuel | 1.513 | 1.808 | 1.496 | 1.492 | 1.445 | 1.381 | 1.321 | 1.262 |
| Chemicals and chemical products | 1.803 | 1.896 | 1.845 | 2.017 | 2.103 | 2.063 | 2.041 | 2.006 |
| Rubber and plastics | 1.904 | 1.979 | 1.899 | 1.958 | 1.990 | 1.964 | 1.936 | 1.893 |
| Other nonmetallic minerals | 1.850 | 2.042 | 1.879 | 1.900 | 1.895 | 1.878 | 1.820 | 1.776 |
| Basic metals and fabricated metal | 1.859 | 2.086 | 1.838 | 1.823 | 1.776 | 1.720 | 1.664 | 1.606 |
| Machinery, nec | 1.918 | 2.007 | 1.884 | 1.874 | 1.838 | 1.816 | 1.764 | 1.716 |
| Electrical and optical equipment | 2.043 | 1.940 | 1.965 | 1.960 | 1.911 | 1.845 | 1.795 | 1.729 |
| Transport equipment | 2.037 | 2.026 | 1.991 | 2.000 | 1.989 | 1.954 | 1.920 | 1.884 |
| Manufacturing, nec; recycling | 1.781 | 2.058 | 2.030 | 2.052 | 2.055 | 2.028 | 2.007 | 1.972 |
| Electricity, gas, and water supply | 1.401 | 1.441 | 1.401 | 1.398 | 1.393 | 1.382 | 1.372 | 1.359 |
| Construction | 1.555 | 1.686 | 1.605 | 1.594 | 1.565 | 1.540 | 1.512 | 1.482 |
| Sale, maintenance, and repair | 1.624 | 1.617 | 1.617 | 1.614 | 1.608 | 1.595 | 1.582 | 1.569 |
| Wholesale trade and commission trade | 1.504 | 1.507 | 1.489 | 1.491 | 1.494 | 1.487 | 1.482 | 1.474 |
| Retail trade | 1.432 | 1.441 | 1.429 | 1.432 | 1.435 | 1.429 | 1.425 | 1.418 |
| Hotels and restaurants | 2.087 | 2.073 | 2.078 | 2.104 | 2.122 | 2.113 | 2.111 | 2.092 |
| Inland transport | 1.603 | 1.642 | 1.571 | 1.556 | 1.526 | 1.500 | 1.473 | 1.441 |
| Water transport | 1.665 | 1.731 | 1.633 | 1.607 | 1.564 | 1.573 | 1.511 | 1.480 |
| Air transport | 1.930 | 2.031 | 1.913 | 1.889 | 1.846 | 1.811 | 1.778 | 1.735 |
| Other supporting and auxiliary transport activities | 1.587 | 1.625 | 1.608 | 1.611 | 1.608 | 1.592 | 1.576 | 1.559 |
| Post and telecommunications | 1.469 | 1.463 | 1.463 | 1.462 | 1.457 | 1.442 | 1.430 | 1.415 |
| Financial intermediation | 1.415 | 1.439 | 1.435 | 1.434 | 1.435 | 1.431 | 1.427 | 1.421 |
| Real estate activities | 1.249 | 1.260 | 1.253 | 1.254 | 1.258 | 1.260 | 1.261 | 1.256 |
| Renting of M&Eq and other business activities | 1.526 | 1.549 | 1.543 | 1.549 | 1.554 | 1.541 | 1.537 | 1.528 |
| Public administration and defense; compulsory social security | 1.457 | 1.464 | 1.460 | 1.461 | 1.465 | 1.460 | 1.458 | 1.452 |
| Education | 1.246 | 1.270 | 1.267 | 1.269 | 1.273 | 1.269 | 1.263 | 1.256 |
| Health and social work | 1.701 | 1.716 | 1.713 | 1.755 | 1.786 | 1.775 | 1.767 | 1.753 |
| Other community, social, and personal services | 1.607 | 1.644 | 1.640 | 1.652 | 1.657 | 1.643 | 1.629 | 1.612 |
| Private households with employed persons | 1.158 | 1.160 | 1.161 | 1.163 | 1.170 | 1.166 | 1.171 | 1.167 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

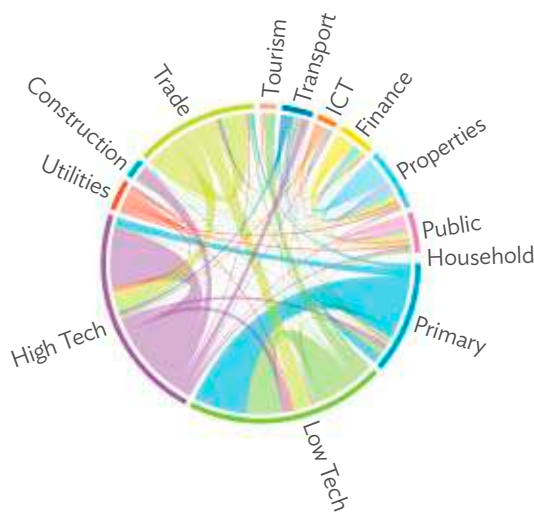
Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

7.2

Philippines

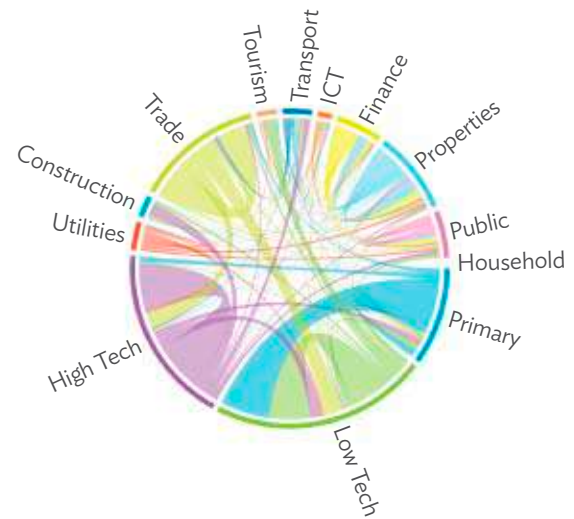
Figure 7.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

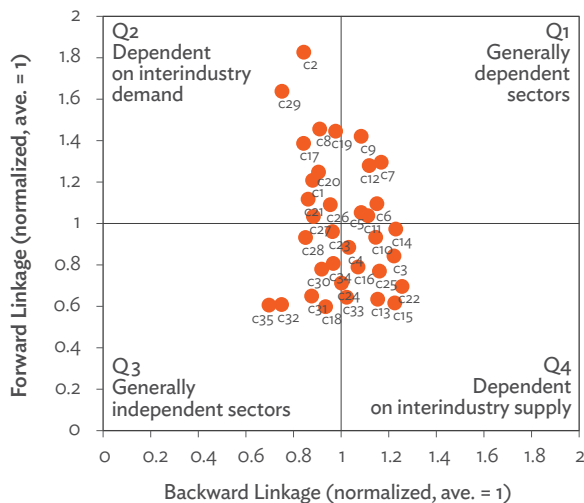
Figure 7.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

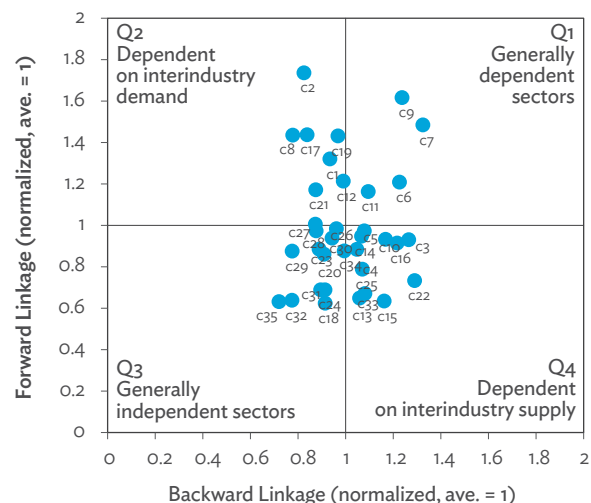
Figure 7.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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Figure 7.2.2b: Backward and Forward Linkages by Industry, 2017

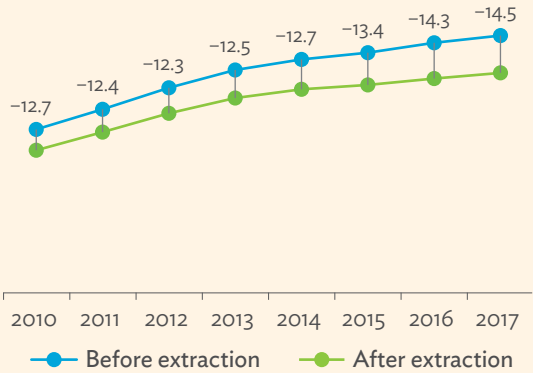


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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Box 7: Hypothetical Extraction of Renting of Machinery and Equipment and Other Business Activities Industry in the Philippines

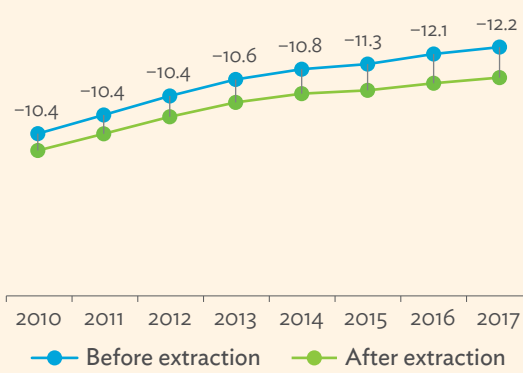
Figure 7.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

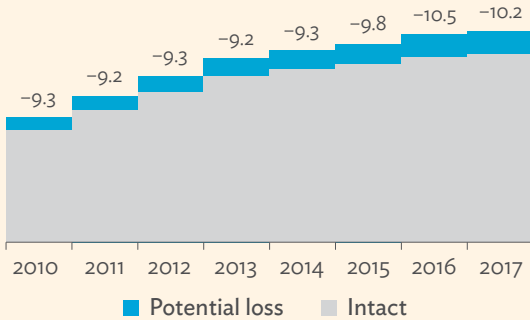
Figure 7.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

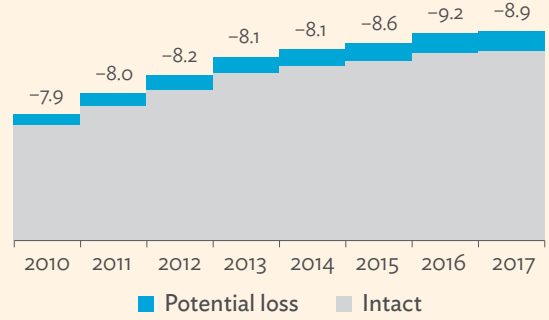
Figure 7.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

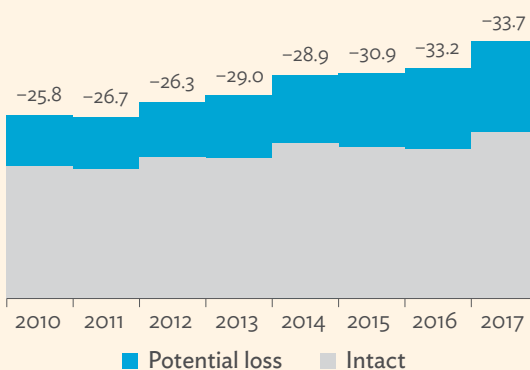
Figure 7.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

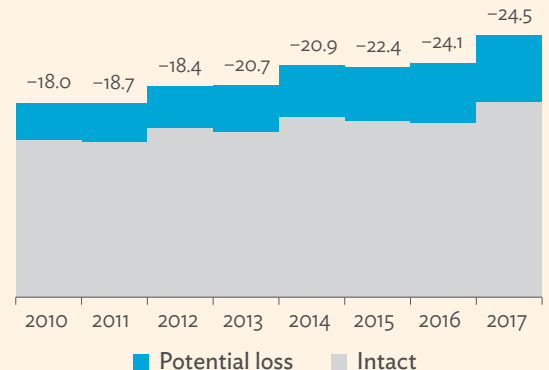
Figure 7.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 7.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 7.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.880 | 0.855 | 0.874 | 0.881 | 0.895 | 0.904 | 0.925 | 0.933 |
| Mining and quarrying | 0.843 | 0.835 | 0.833 | 0.831 | 0.832 | 0.821 | 0.822 | 0.824 |
| Food, beverages, and tobacco | 1.222 | 1.183 | 1.211 | 1.216 | 1.226 | 1.239 | 1.256 | 1.264 |
| Textiles and textile products | 1.032 | 1.047 | 1.081 | 1.069 | 1.056 | 1.039 | 1.050 | 1.046 |
| Leather, leather products, and footwear | 1.084 | 1.106 | 1.158 | 1.134 | 1.111 | 1.101 | 1.084 | 1.078 |
| Wood and products of wood and cork | 1.150 | 1.150 | 1.166 | 1.183 | 1.204 | 1.210 | 1.219 | 1.225 |
| Pulp, paper, paper products, printing, and publishing | 1.168 | 1.218 | 1.242 | 1.279 | 1.310 | 1.317 | 1.320 | 1.323 |
| Coke, refined petroleum, and nuclear fuel | 0.910 | 1.049 | 0.890 | 0.882 | 0.856 | 0.828 | 0.801 | 0.777 |
| Chemicals and chemical products | 1.084 | 1.100 | 1.098 | 1.192 | 1.245 | 1.237 | 1.239 | 1.236 |
| Rubber and plastics | 1.145 | 1.148 | 1.130 | 1.157 | 1.178 | 1.177 | 1.175 | 1.167 |
| Other nonmetallic minerals | 1.112 | 1.184 | 1.118 | 1.123 | 1.122 | 1.126 | 1.104 | 1.094 |
| Basic metals and fabricated metal | 1.118 | 1.210 | 1.094 | 1.078 | 1.052 | 1.031 | 1.009 | 0.989 |
| Machinery, nec | 1.153 | 1.164 | 1.121 | 1.107 | 1.088 | 1.088 | 1.070 | 1.057 |
| Electrical and optical equipment | 1.229 | 1.125 | 1.169 | 1.158 | 1.132 | 1.106 | 1.089 | 1.066 |
| Transport equipment | 1.225 | 1.175 | 1.185 | 1.182 | 1.178 | 1.171 | 1.165 | 1.161 |
| Manufacturing, nec; recycling | 1.071 | 1.193 | 1.208 | 1.213 | 1.217 | 1.216 | 1.218 | 1.215 |
| Electricity, gas, and water supply | 0.842 | 0.836 | 0.834 | 0.826 | 0.825 | 0.828 | 0.832 | 0.838 |
| Construction | 0.935 | 0.978 | 0.955 | 0.942 | 0.927 | 0.923 | 0.918 | 0.913 |
| Sale, maintenance, and repair | 0.977 | 0.938 | 0.962 | 0.954 | 0.952 | 0.956 | 0.960 | 0.967 |
| Wholesale trade and commission trade | 0.905 | 0.874 | 0.886 | 0.881 | 0.884 | 0.891 | 0.899 | 0.908 |
| Retail trade | 0.861 | 0.836 | 0.851 | 0.846 | 0.850 | 0.857 | 0.865 | 0.874 |
| Hotels and restaurants | 1.255 | 1.202 | 1.237 | 1.244 | 1.256 | 1.267 | 1.281 | 1.289 |
| Inland transport | 0.964 | 0.952 | 0.935 | 0.919 | 0.904 | 0.899 | 0.894 | 0.888 |
| Water transport | 1.001 | 1.004 | 0.972 | 0.950 | 0.926 | 0.943 | 0.917 | 0.912 |
| Air transport | 1.161 | 1.178 | 1.138 | 1.116 | 1.093 | 1.086 | 1.079 | 1.069 |
| Other supporting and auxiliary transport activities | 0.954 | 0.942 | 0.957 | 0.952 | 0.952 | 0.954 | 0.956 | 0.961 |
| Post and telecommunications | 0.884 | 0.849 | 0.871 | 0.864 | 0.862 | 0.865 | 0.867 | 0.872 |
| Financial intermediation | 0.851 | 0.834 | 0.854 | 0.848 | 0.850 | 0.858 | 0.866 | 0.876 |
| Real estate activities | 0.751 | 0.731 | 0.746 | 0.741 | 0.745 | 0.755 | 0.765 | 0.774 |
| Renting of M&Eq and other business activities | 0.918 | 0.899 | 0.918 | 0.916 | 0.920 | 0.924 | 0.932 | 0.942 |
| Public administration and defense; compulsory social security | 0.877 | 0.849 | 0.869 | 0.864 | 0.868 | 0.875 | 0.884 | 0.895 |
| Education | 0.750 | 0.737 | 0.754 | 0.750 | 0.754 | 0.760 | 0.766 | 0.774 |
| Health and social work | 1.023 | 0.995 | 1.019 | 1.037 | 1.057 | 1.064 | 1.072 | 1.080 |
| Other community, social, and personal services | 0.967 | 0.953 | 0.976 | 0.976 | 0.981 | 0.985 | 0.988 | 0.993 |
| Private households with employed persons | 0.697 | 0.673 | 0.691 | 0.688 | 0.693 | 0.699 | 0.710 | 0.719 |

lowest linkage



highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 7.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.212 | 1.250 | 1.289 | 1.301 | 1.320 | 1.329 | 1.332 | 1.331 |
| Mining and quarrying | 1.848 | 1.977 | 1.880 | 1.870 | 1.843 | 1.808 | 1.772 | 1.759 |
| Food, beverages, and tobacco | 0.836 | 0.887 | 0.894 | 0.901 | 0.905 | 0.914 | 0.928 | 0.930 |
| Textiles and textile products | 0.880 | 0.889 | 0.908 | 0.902 | 0.896 | 0.893 | 0.892 | 0.883 |
| Leather, leather products, and footwear | 1.053 | 1.097 | 1.122 | 1.057 | 1.001 | 0.991 | 0.986 | 0.974 |
| Wood and products of wood and cork | 1.096 | 1.130 | 1.185 | 1.201 | 1.215 | 1.217 | 1.212 | 1.216 |
| Pulp, paper, paper products, printing, and publishing | 1.302 | 1.419 | 1.469 | 1.464 | 1.491 | 1.503 | 1.508 | 1.500 |
| Coke, refined petroleum, and nuclear fuel | 1.466 | 1.528 | 1.448 | 1.475 | 1.475 | 1.462 | 1.455 | 1.450 |
| Chemicals and chemical products | 1.431 | 1.500 | 1.524 | 1.588 | 1.626 | 1.637 | 1.645 | 1.636 |
| Rubber and plastics | 0.930 | 0.942 | 0.934 | 0.934 | 0.934 | 0.938 | 0.942 | 0.932 |
| Other nonmetallic minerals | 1.037 | 1.132 | 1.129 | 1.150 | 1.169 | 1.175 | 1.174 | 1.169 |
| Basic metals and fabricated metal | 1.285 | 1.261 | 1.332 | 1.273 | 1.233 | 1.231 | 1.228 | 1.221 |
| Machinery, nec | 0.622 | 0.635 | 0.635 | 0.674 | 0.638 | 0.643 | 0.640 | 0.640 |
| Electrical and optical equipment | 0.970 | 1.032 | 1.043 | 1.039 | 1.024 | 1.015 | 0.981 | 0.948 |
| Transport equipment | 0.603 | 0.612 | 0.614 | 0.612 | 0.614 | 0.618 | 0.618 | 0.625 |
| Manufacturing, nec; recycling | 0.782 | 0.867 | 0.889 | 0.901 | 0.915 | 0.926 | 0.923 | 0.914 |
| Electricity, gas, and water supply | 1.396 | 1.462 | 1.396 | 1.424 | 1.453 | 1.452 | 1.452 | 1.451 |
| Construction | 0.585 | 0.595 | 0.598 | 0.598 | 0.601 | 0.605 | 0.607 | 0.615 |
| Sale, maintenance, and repair | 1.456 | 1.487 | 1.471 | 1.474 | 1.473 | 1.419 | 1.404 | 1.445 |
| Wholesale trade and commission trade | 1.253 | 0.857 | 0.847 | 0.841 | 0.847 | 0.850 | 0.856 | 0.858 |
| Retail trade | 1.119 | 1.211 | 1.175 | 1.182 | 1.187 | 1.190 | 1.184 | 1.178 |
| Hotels and restaurants | 0.686 | 0.703 | 0.706 | 0.709 | 0.713 | 0.718 | 0.724 | 0.728 |
| Inland transport | 0.957 | 0.885 | 0.868 | 0.873 | 0.878 | 0.878 | 0.881 | 0.883 |
| Water transport | 0.702 | 0.660 | 0.660 | 0.663 | 0.670 | 0.673 | 0.676 | 0.682 |
| Air transport | 0.761 | 0.758 | 0.764 | 0.764 | 0.767 | 0.772 | 0.777 | 0.784 |
| Other supporting and auxiliary transport activities | 1.091 | 1.076 | 1.107 | 1.039 | 0.989 | 0.987 | 0.993 | 0.985 |
| Post and telecommunications | 1.033 | 0.967 | 0.947 | 0.971 | 0.998 | 0.998 | 1.005 | 1.007 |
| Financial intermediation | 0.928 | 0.991 | 0.981 | 0.968 | 0.963 | 0.954 | 0.982 | 0.974 |
| Real estate activities | 1.654 | 0.924 | 0.923 | 0.883 | 0.857 | 0.856 | 0.861 | 0.874 |
| Renting of M&Eq and other business activities | 0.771 | 0.929 | 0.914 | 0.921 | 0.931 | 0.939 | 0.944 | 0.938 |
| Public administration and defense; compulsory social security | 0.637 | 0.644 | 0.647 | 0.648 | 0.652 | 0.670 | 0.662 | 0.682 |
| Education | 0.596 | 0.606 | 0.610 | 0.610 | 0.614 | 0.619 | 0.621 | 0.630 |
| Health and social work | 0.632 | 0.642 | 0.644 | 0.643 | 0.646 | 0.652 | 0.653 | 0.663 |
| Other community, social, and personal services | 0.799 | 0.843 | 0.843 | 0.844 | 0.849 | 0.858 | 0.868 | 0.875 |
| Private households with employed persons | 0.592 | 0.602 | 0.606 | 0.606 | 0.609 | 0.612 | 0.615 | 0.623 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

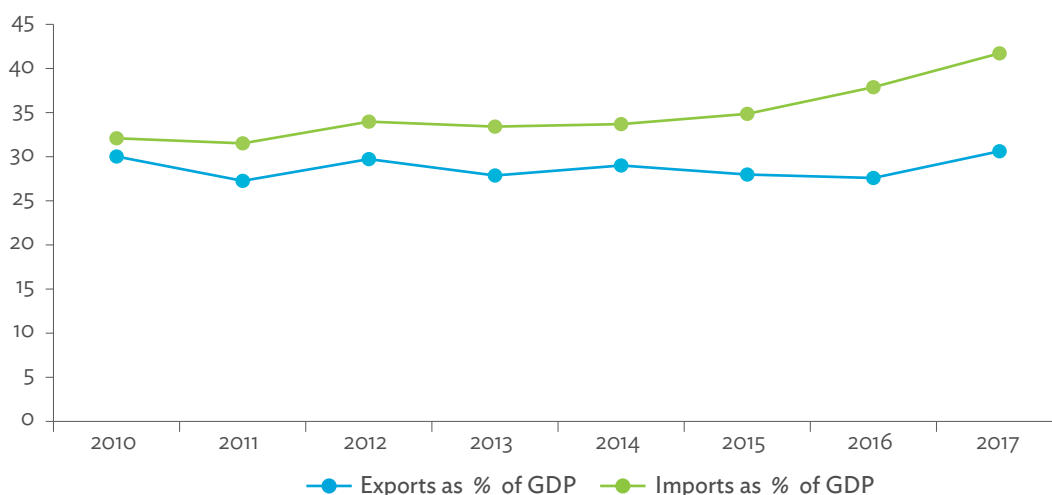
Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

7.3

Philippines

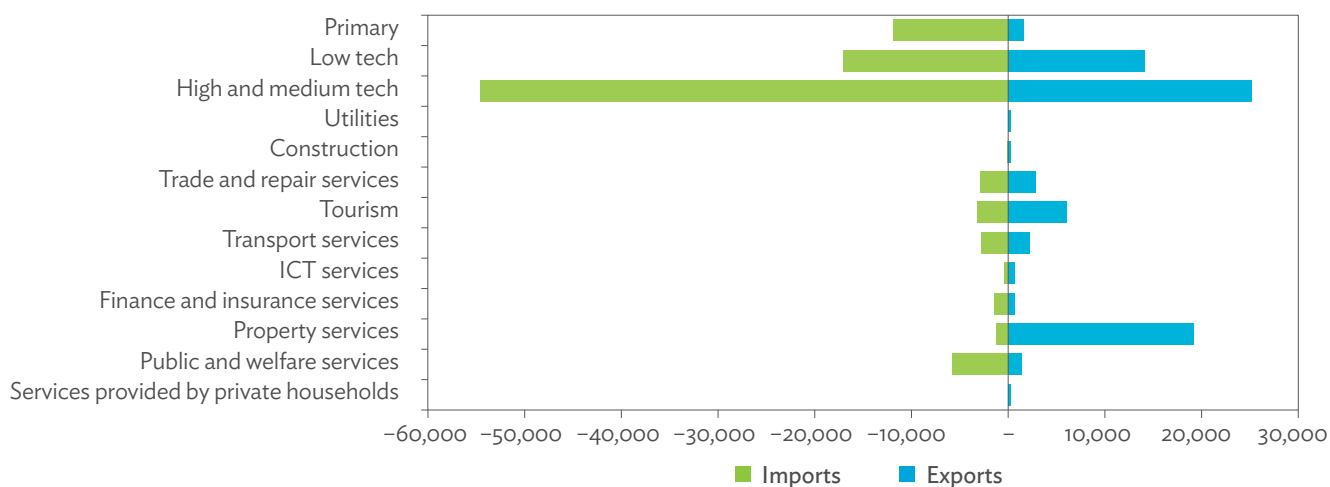
Figure 7.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)



GDP = gross domestic product.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 7.3.2: Total Foreign Trade by Sector, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

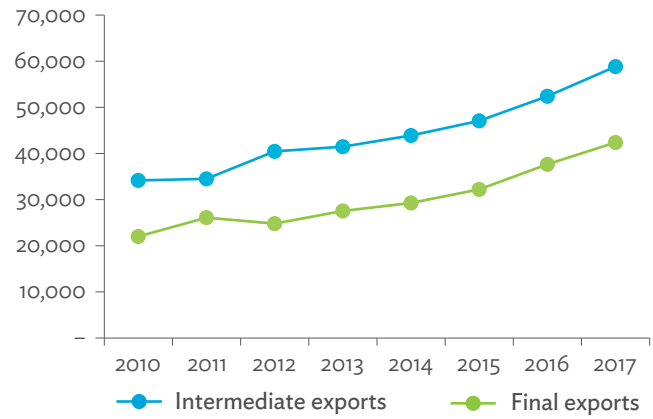
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Figure 7.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)



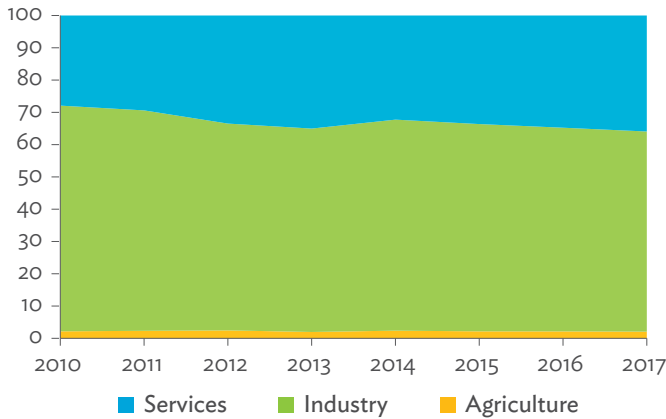
\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 7.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)



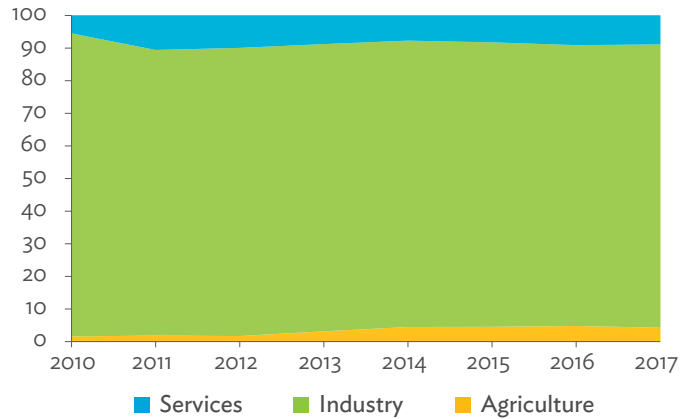
\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 7.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



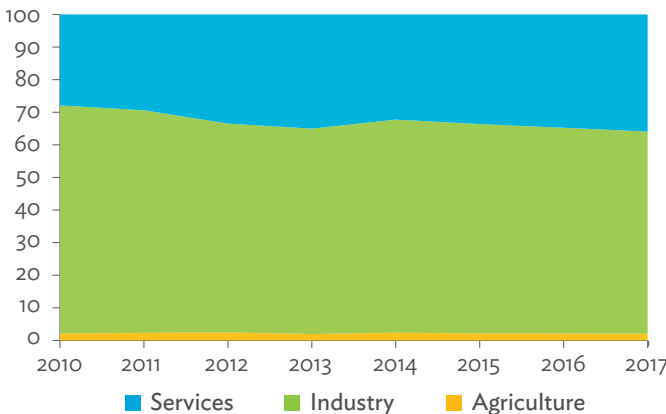
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 7.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



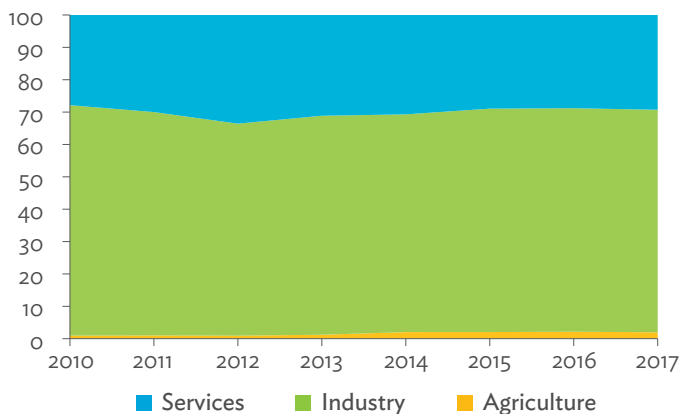
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 7.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



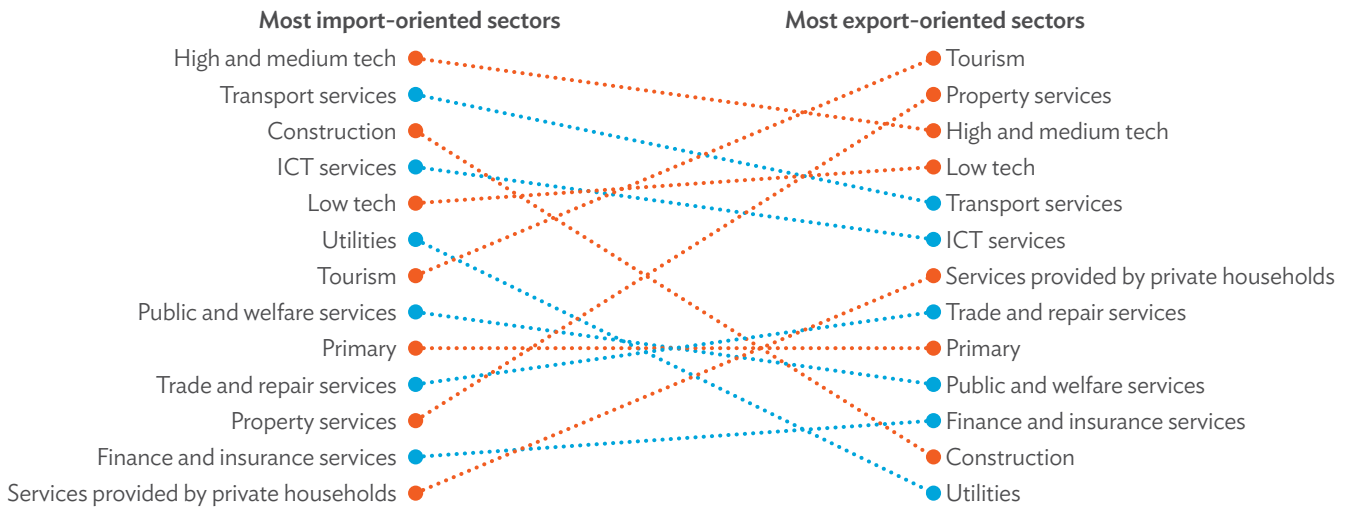
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 7.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

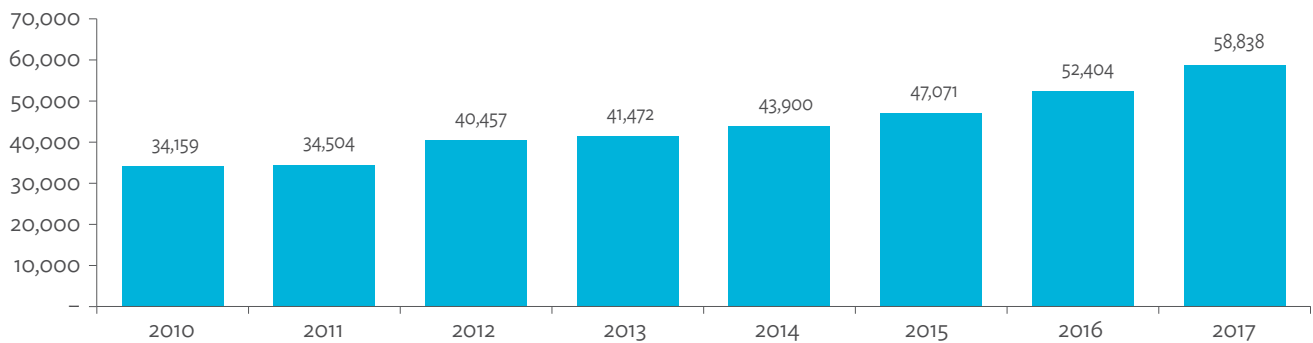
Figure 7.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

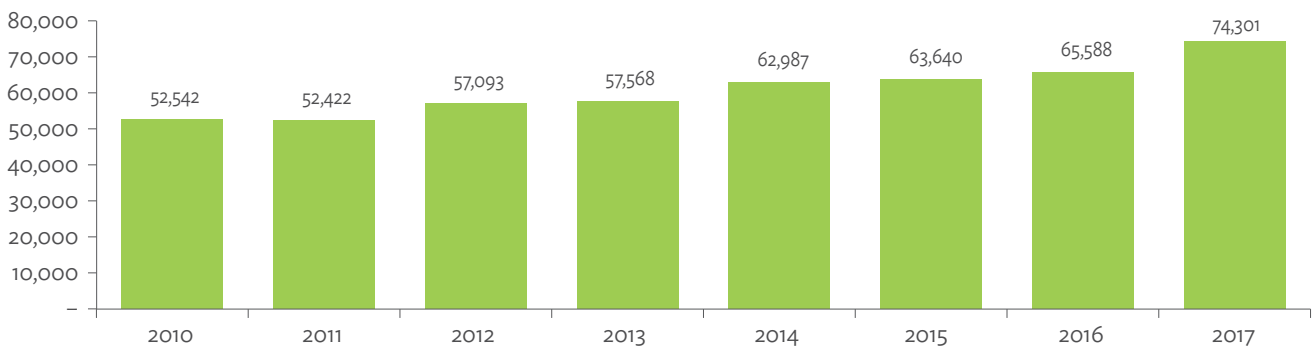
Figure 7.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

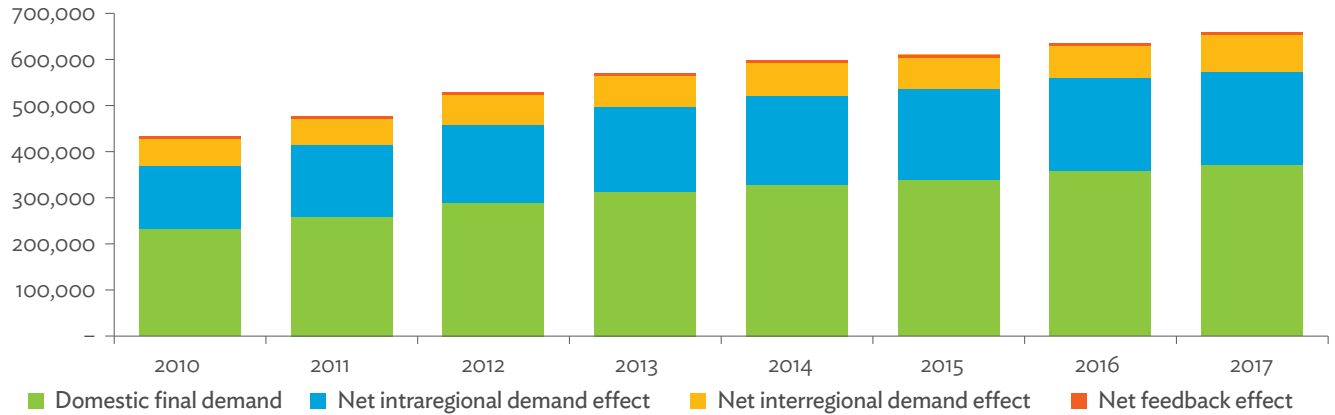
Figure 7.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 7.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

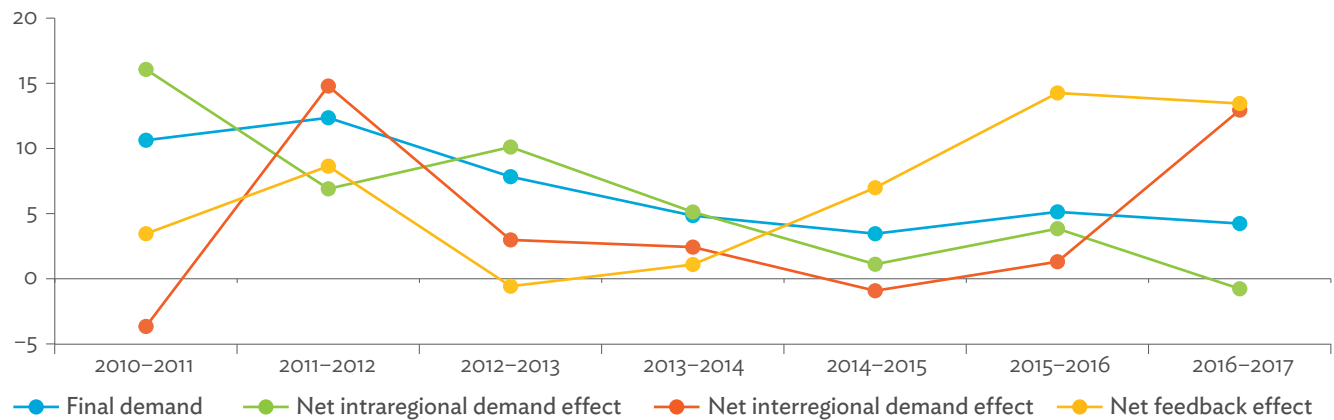


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

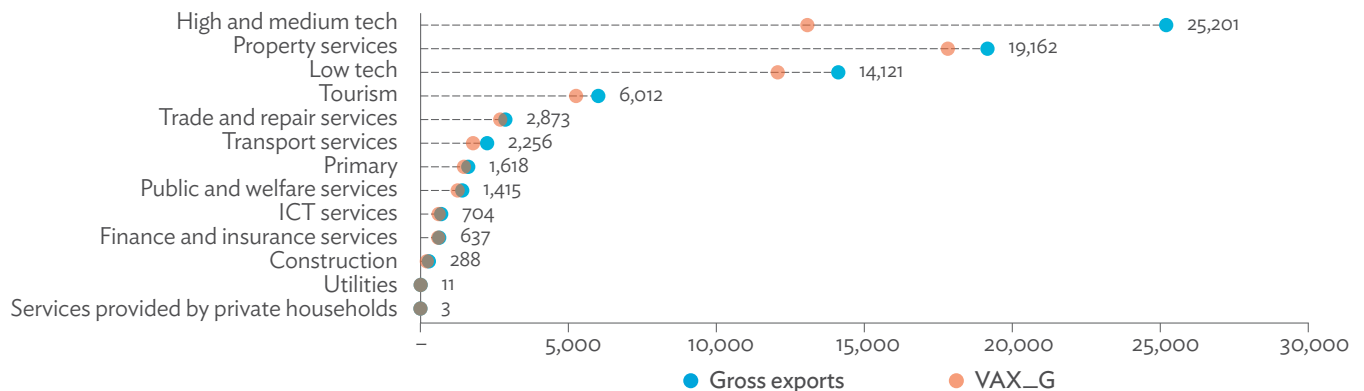
Figure 7.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 7.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

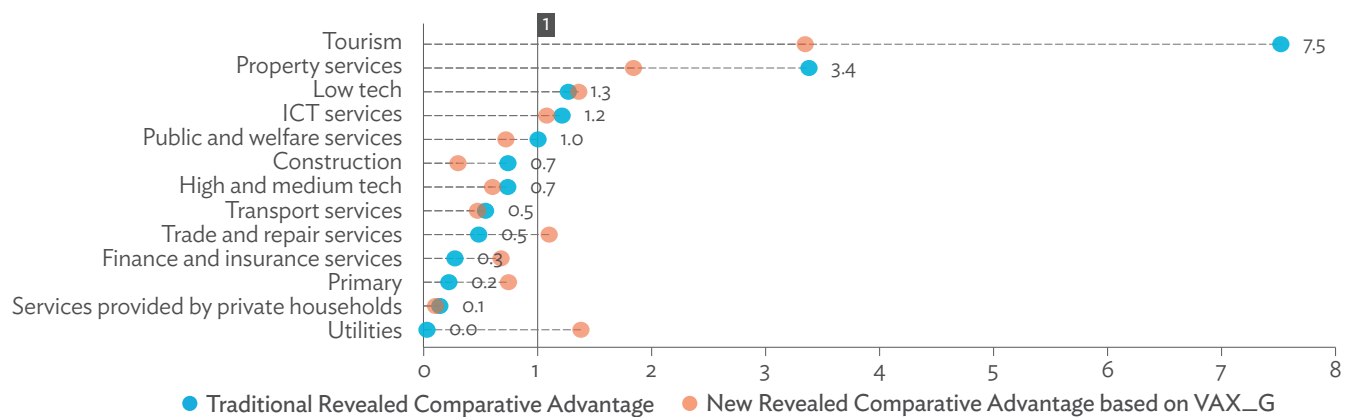


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 7.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 7.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|--------|--------|---------|---------|---------|---------|---------|---------|
| Final demand | | | | | | | | |
| Primary | 11,245 | 13,149 | 12,261 | 12,737 | 12,677 | 11,611 | 11,855 | 12,714 |
| Low tech | 77,238 | 80,961 | 94,063 | 101,344 | 106,323 | 109,060 | 114,389 | 115,920 |
| High and medium tech | 34,596 | 35,228 | 35,111 | 36,827 | 38,307 | 37,813 | 39,366 | 43,298 |
| Business service | 78,651 | 93,060 | 107,345 | 118,193 | 125,823 | 134,426 | 141,884 | 149,334 |
| Personal service | 32,021 | 36,202 | 41,770 | 44,208 | 45,355 | 46,934 | 49,800 | 51,167 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 25,911 | 30,338 | 31,915 | 34,097 | 35,268 | 32,527 | 32,302 | 32,521 |
| Low tech | 28,606 | 34,690 | 39,322 | 43,065 | 44,761 | 45,623 | 48,259 | 46,633 |
| High and medium tech | 29,275 | 33,870 | 33,053 | 38,360 | 41,510 | 40,928 | 40,729 | 41,121 |
| Business service | 48,074 | 54,243 | 58,991 | 64,495 | 67,863 | 71,761 | 77,022 | 76,270 |
| Personal service | 3,200 | 3,623 | 4,302 | 4,509 | 4,582 | 5,306 | 5,376 | 5,575 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 7.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 3,978 | 4,079 | 4,571 | 4,611 | 4,873 | 4,346 | 4,106 | 4,810 |
| Low tech | 9,322 | 9,582 | 11,036 | 11,472 | 12,279 | 12,136 | 12,042 | 13,669 |
| High and medium tech | 25,381 | 24,169 | 28,882 | 27,396 | 26,376 | 24,806 | 24,071 | 27,063 |
| Business service | 24,235 | 22,683 | 24,895 | 27,929 | 29,395 | 30,811 | 32,761 | 37,003 |
| Personal service | 1,105 | 1,167 | 1,418 | 1,506 | 1,761 | 1,900 | 1,987 | 2,128 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 3.00 | 3.05 | 3.52 | 3.45 | 3.63 | 3.61 | 3.99 | 4.71 |
| Low tech | 6.87 | 7.14 | 8.31 | 8.27 | 8.61 | 9.53 | 10.81 | 12.35 |
| High and medium tech | 46.09 | 50.06 | 53.17 | 50.61 | 49.67 | 50.72 | 55.66 | 63.03 |
| Business service | 21.73 | 20.12 | 22.17 | 24.30 | 25.49 | 29.47 | 36.06 | 40.85 |
| Personal service | 0.66 | 0.68 | 0.88 | 0.92 | 1.09 | 1.36 | 1.68 | 1.79 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 7.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.4639 | 0.4743 | 0.4684 | 0.4914 | 0.5116 | 0.5073 | 0.5243 | 0.5140 |
| Mining and quarrying | 0.4021 | 0.4389 | 0.3998 | 0.4063 | 0.4058 | 0.3696 | 0.3551 | 0.3376 |
| Food, beverages, and tobacco | 1.0320 | 1.0392 | 1.0358 | 1.0579 | 1.0714 | 1.0660 | 1.0698 | 1.0511 |
| Textiles and textile products | 0.7161 | 0.8044 | 0.8164 | 0.8092 | 0.7836 | 0.7333 | 0.7305 | 0.6971 |
| Leather, leather products, and footwear | 0.8027 | 0.9065 | 0.9452 | 0.9187 | 0.8772 | 0.8371 | 0.7868 | 0.7488 |
| Wood and products of wood and cork | 0.9123 | 0.9821 | 0.9593 | 1.0011 | 1.0332 | 1.0191 | 1.0084 | 0.9883 |
| Pulp, paper, paper products, printing, and publishing | 0.9421 | 1.1000 | 1.0870 | 1.1646 | 1.2131 | 1.1964 | 1.1760 | 1.1474 |
| Coke, refined petroleum, and nuclear fuel | 0.5126 | 0.8080 | 0.4956 | 0.4918 | 0.4454 | 0.3806 | 0.3206 | 0.2616 |
| Chemicals and chemical products | 0.8025 | 0.8964 | 0.8452 | 1.0173 | 1.1029 | 1.0629 | 1.0413 | 1.0061 |
| Rubber and plastics | 0.9044 | 0.9791 | 0.8995 | 0.9578 | 0.9896 | 0.9636 | 0.9359 | 0.8930 |
| Other nonmetallic minerals | 0.8495 | 1.0415 | 0.8790 | 0.8998 | 0.8947 | 0.8782 | 0.8200 | 0.7759 |
| Basic metals and fabricated metal | 0.8588 | 1.0864 | 0.8384 | 0.8235 | 0.7760 | 0.7202 | 0.6637 | 0.6056 |
| Machinery, nec | 0.9178 | 1.0068 | 0.8839 | 0.8740 | 0.8378 | 0.8157 | 0.7639 | 0.7159 |
| Electrical and optical equipment | 1.0434 | 0.9401 | 0.9646 | 0.9602 | 0.9114 | 0.8449 | 0.7948 | 0.7294 |
| Transport equipment | 1.0367 | 1.0257 | 0.9907 | 1.0005 | 0.9895 | 0.9539 | 0.9203 | 0.8839 |
| Manufacturing, nec; recycling | 0.7806 | 1.0578 | 1.0300 | 1.0518 | 1.0551 | 1.0285 | 1.0069 | 0.9719 |
| Electricity, gas, and water supply | 0.4006 | 0.4409 | 0.4007 | 0.3981 | 0.3926 | 0.3819 | 0.3716 | 0.3591 |
| Construction | 0.5545 | 0.6861 | 0.6047 | 0.5938 | 0.5653 | 0.5402 | 0.5124 | 0.4818 |
| Sale, maintenance, and repair | 0.6237 | 0.6173 | 0.6169 | 0.6143 | 0.6081 | 0.5948 | 0.5823 | 0.5686 |
| Wholesale trade and commission trade | 0.5044 | 0.5071 | 0.4889 | 0.4908 | 0.4938 | 0.4869 | 0.4821 | 0.4738 |
| Retail trade | 0.4322 | 0.4406 | 0.4294 | 0.4320 | 0.4354 | 0.4291 | 0.4251 | 0.4180 |
| Hotels and restaurants | 1.0875 | 1.0727 | 1.0782 | 1.1045 | 1.1219 | 1.1130 | 1.1112 | 1.0920 |
| Inland transport | 0.6027 | 0.6416 | 0.5706 | 0.5556 | 0.5261 | 0.4998 | 0.4727 | 0.4406 |
| Water transport | 0.6650 | 0.7313 | 0.6329 | 0.6071 | 0.5637 | 0.5729 | 0.5113 | 0.4804 |
| Air transport | 0.9300 | 1.0307 | 0.9125 | 0.8885 | 0.8460 | 0.8111 | 0.7782 | 0.7353 |
| Other supporting and auxiliary transport activities | 0.5866 | 0.6249 | 0.6080 | 0.6115 | 0.6085 | 0.5915 | 0.5760 | 0.5588 |
| Post and telecommunications | 0.4690 | 0.4633 | 0.4635 | 0.4624 | 0.4566 | 0.4424 | 0.4296 | 0.4152 |
| Financial intermediation | 0.4147 | 0.4388 | 0.4348 | 0.4344 | 0.4355 | 0.4311 | 0.4269 | 0.4209 |
| Real estate activities | 0.2494 | 0.2605 | 0.2532 | 0.2542 | 0.2577 | 0.2602 | 0.2606 | 0.2564 |
| Renting of M&Eq and other business activities | 0.5261 | 0.5495 | 0.5434 | 0.5495 | 0.5544 | 0.5408 | 0.5367 | 0.5283 |
| Public administration and defense; compulsory social security | 0.4574 | 0.4635 | 0.4596 | 0.4614 | 0.4653 | 0.4597 | 0.4576 | 0.4516 |
| Education | 0.2462 | 0.2701 | 0.2665 | 0.2693 | 0.2732 | 0.2685 | 0.2631 | 0.2558 |
| Health and social work | 0.7014 | 0.7163 | 0.7131 | 0.7550 | 0.7855 | 0.7747 | 0.7669 | 0.7531 |
| Other community, social, and personal services | 0.6073 | 0.6438 | 0.6404 | 0.6522 | 0.6573 | 0.6426 | 0.6291 | 0.6117 |
| Private households with employed persons | 0.1584 | 0.1597 | 0.1606 | 0.1634 | 0.1699 | 0.1658 | 0.1708 | 0.1668 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 7.3.4: Net Interregional Multipliers (M₂), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.1840 | 0.1783 | 0.1863 | 0.1612 | 0.1460 | 0.1571 | 0.1749 | 0.1887 |
| Mining and quarrying | 0.2990 | 0.2712 | 0.3131 | 0.3183 | 0.3355 | 0.3354 | 0.3576 | 0.3824 |
| Food, beverages, and tobacco | 0.2484 | 0.2503 | 0.2629 | 0.2401 | 0.2311 | 0.2500 | 0.2707 | 0.2918 |
| Textiles and textile products | 0.6175 | 0.5270 | 0.5071 | 0.5227 | 0.5616 | 0.5800 | 0.6379 | 0.6798 |
| Leather, leather products, and footwear | 0.7228 | 0.6212 | 0.5686 | 0.6178 | 0.6834 | 0.7294 | 0.7597 | 0.8066 |
| Wood and products of wood and cork | 0.4415 | 0.3504 | 0.3798 | 0.3420 | 0.3199 | 0.3383 | 0.3618 | 0.3902 |
| Pulp, paper, paper products, printing, and publishing | 0.6312 | 0.4784 | 0.4952 | 0.4379 | 0.4096 | 0.4354 | 0.4639 | 0.4976 |
| Coke, refined petroleum, and nuclear fuel | 0.9306 | 0.6858 | 0.9808 | 1.0072 | 1.0585 | 1.1435 | 1.2544 | 1.2822 |
| Chemicals and chemical products | 0.7861 | 0.7243 | 0.7830 | 0.6088 | 0.5241 | 0.5372 | 0.5740 | 0.6163 |
| Rubber and plastics | 0.7083 | 0.6533 | 0.7447 | 0.6953 | 0.6737 | 0.7093 | 0.7593 | 0.8150 |
| Other nonmetallic minerals | 0.6700 | 0.5438 | 0.6898 | 0.6787 | 0.6923 | 0.7498 | 0.7991 | 0.8137 |
| Basic metals and fabricated metal | 0.9245 | 0.7835 | 1.0026 | 1.0300 | 1.0820 | 1.1610 | 1.2548 | 1.2878 |
| Machinery, nec | 0.8000 | 0.7383 | 0.8664 | 0.8860 | 0.9320 | 1.0204 | 1.0823 | 1.1490 |
| Electrical and optical equipment | 1.0392 | 1.2787 | 1.2294 | 1.2412 | 1.2835 | 1.3676 | 1.4623 | 1.5284 |
| Transport equipment | 0.6370 | 0.6611 | 0.6858 | 0.6846 | 0.7110 | 0.7624 | 0.8088 | 0.8589 |
| Manufacturing, nec; recycling | 0.8043 | 0.5098 | 0.5351 | 0.5195 | 0.5266 | 0.5654 | 0.6047 | 0.6473 |
| Electricity, gas, and water supply | 0.2236 | 0.1811 | 0.2305 | 0.2333 | 0.2448 | 0.2623 | 0.2788 | 0.3005 |
| Construction | 0.5548 | 0.4119 | 0.4884 | 0.4984 | 0.5302 | 0.5682 | 0.6078 | 0.6432 |
| Sale, maintenance, and repair | 0.2429 | 0.2710 | 0.2645 | 0.2652 | 0.2757 | 0.2973 | 0.3129 | 0.3289 |
| Wholesale trade and commission trade | 0.1252 | 0.1135 | 0.1360 | 0.1318 | 0.1345 | 0.1439 | 0.1538 | 0.1648 |
| Retail trade | 0.1090 | 0.1063 | 0.1203 | 0.1148 | 0.1153 | 0.1230 | 0.1307 | 0.1404 |
| Hotels and restaurants | 0.2670 | 0.2952 | 0.2916 | 0.2625 | 0.2490 | 0.2695 | 0.2895 | 0.3099 |
| Inland transport | 0.4861 | 0.4724 | 0.5436 | 0.5631 | 0.5983 | 0.6358 | 0.6764 | 0.7160 |
| Water transport | 0.4544 | 0.4208 | 0.5304 | 0.5519 | 0.5910 | 0.6604 | 0.6530 | 0.7058 |
| Air transport | 0.6171 | 0.5526 | 0.6797 | 0.7224 | 0.7812 | 0.8146 | 0.8610 | 0.9319 |
| Other supporting and auxiliary transport activities | 0.3091 | 0.2962 | 0.3112 | 0.3085 | 0.3181 | 0.3372 | 0.3561 | 0.3809 |
| Post and telecommunications | 0.2536 | 0.2960 | 0.2881 | 0.2818 | 0.2863 | 0.3053 | 0.3197 | 0.3384 |
| Financial intermediation | 0.1102 | 0.1086 | 0.1127 | 0.1045 | 0.1027 | 0.1091 | 0.1150 | 0.1240 |
| Real estate activities | 0.0816 | 0.0700 | 0.0788 | 0.0747 | 0.0750 | 0.0809 | 0.0852 | 0.0934 |
| Renting of M&Eq and other business activities | 0.1460 | 0.1457 | 0.1518 | 0.1435 | 0.1431 | 0.1500 | 0.1577 | 0.1690 |
| Public administration and defense; compulsory social security | 0.0921 | 0.0941 | 0.0986 | 0.0932 | 0.0929 | 0.0966 | 0.1032 | 0.1094 |
| Education | 0.1384 | 0.1186 | 0.1213 | 0.1167 | 0.1181 | 0.1258 | 0.1325 | 0.1420 |
| Health and social work | 0.2867 | 0.2823 | 0.2873 | 0.2423 | 0.2156 | 0.2302 | 0.2436 | 0.2611 |
| Other community, social, and personal services | 0.3163 | 0.2947 | 0.2948 | 0.2913 | 0.3001 | 0.3186 | 0.3363 | 0.3591 |
| Private households with employed persons | 0.0679 | 0.0691 | 0.0680 | 0.0617 | 0.0596 | 0.0634 | 0.0702 | 0.0758 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 7.3.5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 |
| Mining and quarrying | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0003 |
| Food, beverages, and tobacco | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| Textiles and textile products | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0004 | 0.0004 |
| Leather, leather products, and footwear | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0005 | 0.0005 |
| Wood and products of wood and cork | 0.0003 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 |
| Pulp, paper, paper products, printing, and publishing | 0.0004 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0004 |
| Coke, refined petroleum, and nuclear fuel | 0.0004 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0006 | 0.0006 |
| Chemicals and chemical products | 0.0004 | 0.0003 | 0.0004 | 0.0003 | 0.0003 | 0.0003 | 0.0004 | 0.0004 |
| Rubber and plastics | 0.0004 | 0.0003 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0004 | 0.0005 |
| Other nonmetallic minerals | 0.0004 | 0.0003 | 0.0004 | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0005 |
| Basic metals and fabricated metal | 0.0004 | 0.0004 | 0.0005 | 0.0005 | 0.0005 | 0.0006 | 0.0007 | 0.0007 |
| Machinery, nec | 0.0005 | 0.0004 | 0.0005 | 0.0005 | 0.0005 | 0.0006 | 0.0007 | 0.0007 |
| Electrical and optical equipment | 0.0029 | 0.0034 | 0.0035 | 0.0032 | 0.0031 | 0.0032 | 0.0036 | 0.0039 |
| Transport equipment | 0.0009 | 0.0009 | 0.0009 | 0.0008 | 0.0008 | 0.0009 | 0.0010 | 0.0011 |
| Manufacturing, nec; recycling | 0.0005 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0005 |
| Electricity, gas, and water supply | 0.0002 | 0.0002 | 0.0003 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0003 |
| Construction | 0.0003 | 0.0002 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0004 | 0.0004 |
| Sale, maintenance, and repair | 0.0005 | 0.0006 | 0.0006 | 0.0005 | 0.0005 | 0.0006 | 0.0006 | 0.0007 |
| Wholesale trade and commission trade | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Retail trade | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Hotels and restaurants | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0003 |
| Inland transport | 0.0005 | 0.0006 | 0.0006 | 0.0005 | 0.0006 | 0.0006 | 0.0007 | 0.0007 |
| Water transport | 0.0004 | 0.0003 | 0.0004 | 0.0003 | 0.0004 | 0.0005 | 0.0005 | 0.0005 |
| Air transport | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0004 | 0.0005 | 0.0005 | 0.0006 |
| Other supporting and auxiliary transport activities | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0004 |
| Post and telecommunications | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0007 |
| Financial intermediation | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Real estate activities | 0.0001 | 0.0000 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Renting of M&Eq and other business activities | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 |
| Public administration and defense; compulsory social security | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Education | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 |
| Health and social work | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0003 |
| Other community, social, and personal services | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0004 | 0.0004 |
| Private households with employed persons | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 7.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 1,265 | 1,159 | 1,303 | 1,205 | 1,512 | 1,386 | 1,362 | 1,257 | 1,624 | 1,504 | 1,450 | 1,341 | 1,418 | 1,302 | 1,618 | 1,473 |
| Low tech | 10,557 | 9,073 | 10,722 | 9,334 | 12,015 | 10,385 | 11,203 | 9,785 | 11,309 | 11,309 | 12,719 | 11,104 | 12,969 | 11,207 | 14,121 | 12,074 |
| High and medium tech | 21,598 | 13,568 | 20,891 | 12,491 | 22,327 | 13,002 | 21,498 | 12,770 | 22,782 | 13,384 | 22,114 | 12,576 | 21,932 | 11,906 | 25,201 | 13,075 |
| Utilities | 0 | 0 | 11 | 10 | 1 | 0 | 5 | 5 | 10 | 9 | 9 | 8 | 9 | 8 | 11 | 10 |
| Construction | 55 | 43 | 180 | 152 | 188 | 152 | 128 | 104 | 222 | 177 | 241 | 190 | 258 | 200 | 288 | 219 |
| Trade and repair services | 1,393 | 1,326 | 2,050 | 1,954 | 2,214 | 2,096 | 1,961 | 1,861 | 2,382 | 2,263 | 2,465 | 2,336 | 2,536 | 2,393 | 2,873 | 2,698 |
| Tourism | 3,412 | 3,040 | 3,873 | 3,419 | 4,298 | 3,798 | 4,410 | 3,947 | 4,744 | 4,266 | 5,011 | 4,469 | 5,204 | 4,598 | 6,012 | 5,261 |
| Transport services | 1,031 | 837 | 1,001 | 836 | 1,123 | 905 | 1,531 | 1,263 | 1,829 | 1,500 | 1,944 | 1,581 | 1,995 | 1,605 | 2,256 | 1,780 |
| ICT services | 710 | 641 | 658 | 585 | 735 | 655 | 694 | 622 | 657 | 588 | 681 | 606 | 659 | 582 | 704 | 617 |
| Finance and insurance services | 941 | 896 | 308 | 294 | 346 | 329 | 859 | 820 | 522 | 499 | 540 | 515 | 556 | 528 | 637 | 602 |
| Property services | 10,886 | 10,202 | 10,664 | 10,000 | 11,397 | 10,657 | 13,006 | 12,228 | 14,141 | 13,301 | 15,202 | 14,268 | 16,754 | 15,665 | 19,162 | 17,822 |
| Public and welfare services | 695 | 631 | 756 | 691 | 936 | 852 | 907 | 822 | 1,198 | 1,087 | 1,260 | 1,137 | 1,295 | 1,161 | 1,415 | 1,261 |
| Services provided by private households | - | - | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 |

\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 7.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 0.221 | 0.771 | 0.205 | 0.727 | 0.218 | 0.723 | 0.205 | 0.695 | 0.238 | 0.780 | 0.235 | 0.768 | 0.229 | 0.747 | 0.221 | 0.744 |
| Low tech | 1.393 | 1.375 | 1.443 | 1.522 | 1.493 | 1.557 | 1.334 | 1.423 | 1.374 | 1.417 | 1.335 | 1.411 | 1.324 | 1.409 | 1.269 | 1.361 |
| High and medium tech | 0.878 | 0.717 | 0.852 | 0.731 | 0.843 | 0.727 | 0.811 | 0.702 | 0.786 | 0.677 | 0.749 | 0.650 | 0.730 | 0.600 | 0.738 | 0.604 |
| Utilities | 0.000 | 1.688 | 0.048 | 1.513 | 0.002 | 1.512 | 0.019 | 1.538 | 0.034 | 1.564 | 0.030 | 1.485 | 0.023 | 1.423 | 0.029 | 1.379 |
| Construction | 0.265 | 0.081 | 0.897 | 0.276 | 0.811 | 0.261 | 0.413 | 0.164 | 0.686 | 0.269 | 0.711 | 0.294 | 0.642 | 0.294 | 0.739 | 0.301 |
| Trade and repair services | 0.339 | 1.199 | 0.506 | 1.233 | 0.487 | 1.209 | 0.435 | 1.141 | 0.481 | 1.159 | 0.483 | 1.124 | 0.479 | 1.112 | 0.482 | 1.101 |
| Tourism | 6.154 | 2.790 | 6.996 | 3.225 | 7.270 | 3.288 | 7.228 | 3.277 | 6.944 | 3.132 | 7.301 | 3.219 | 6.445 | 3.065 | 7.520 | 3.347 |
| Transport services | 0.329 | 0.430 | 0.342 | 0.376 | 0.348 | 0.387 | 0.481 | 0.457 | 0.521 | 0.471 | 0.540 | 0.477 | 0.545 | 0.482 | 0.543 | 0.472 |
| ICT services | 2.015 | 2.048 | 1.996 | 1.672 | 1.860 | 1.673 | 1.757 | 1.614 | 1.503 | 1.507 | 1.523 | 1.488 | 1.364 | 1.322 | 1.214 | 1.079 |
| Finance and insurance services | 0.582 | 0.738 | 0.202 | 0.627 | 0.209 | 0.612 | 0.498 | 0.774 | 0.272 | 0.647 | 0.272 | 0.621 | 0.261 | 0.671 | 0.274 | 0.678 |
| Property services | 3.169 | 1.575 | 3.179 | 1.570 | 3.125 | 1.540 | 3.329 | 1.664 | 3.179 | 1.614 | 3.246 | 1.676 | 3.372 | 1.782 | 3.380 | 1.840 |
| Public and welfare services | 0.708 | 0.546 | 0.827 | 0.613 | 0.911 | 0.685 | 0.821 | 0.644 | 1.000 | 0.693 | 0.994 | 0.711 | 0.932 | 0.699 | 1.003 | 0.721 |
| Services provided by private households | 0.000 | 0.000 | 0.077 | 0.059 | 0.067 | 0.053 | 0.145 | 0.109 | 0.114 | 0.086 | 0.134 | 0.099 | 0.145 | 0.106 | 0.142 | 0.103 |

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

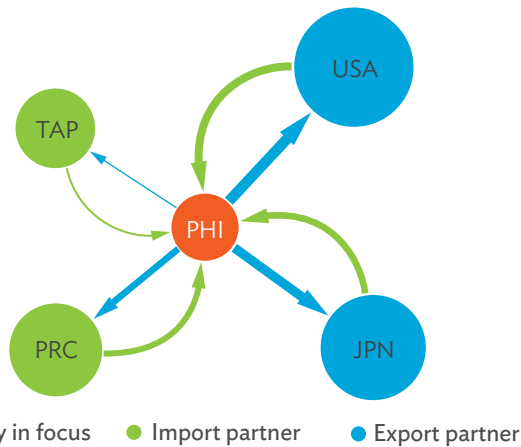
Source: Asian Development Bank Multi-Regional Input-Output Database.

7.4

GLOBAL VALUE CHAIN INDICATORS

Philippines

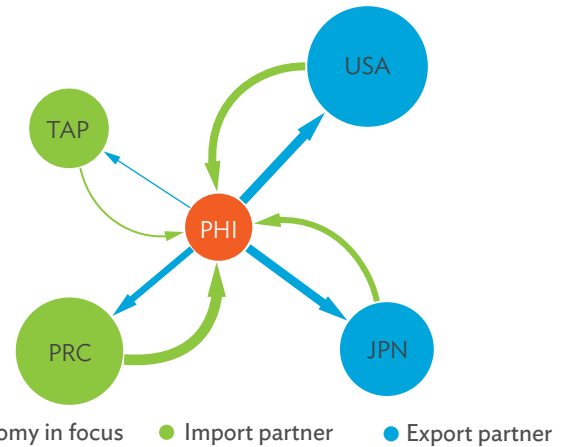
Figure 7.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



JPN = Japan; PHI = Philippines; PRC = People's Republic of China; TAP = Taipei,China; USA = United States.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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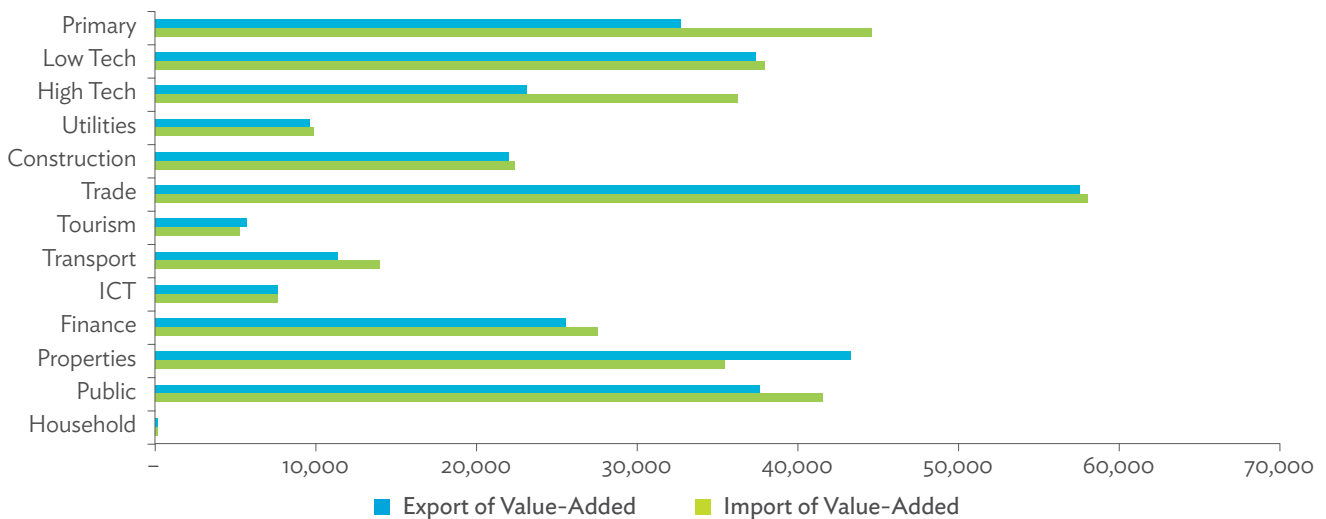
Figure 7.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



JPN = Japan; PHI = Philippines; PRC = People's Republic of China; TAP = Taipei,China; USA = United States.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 7.4.2: Trade in Value-Added by Industry, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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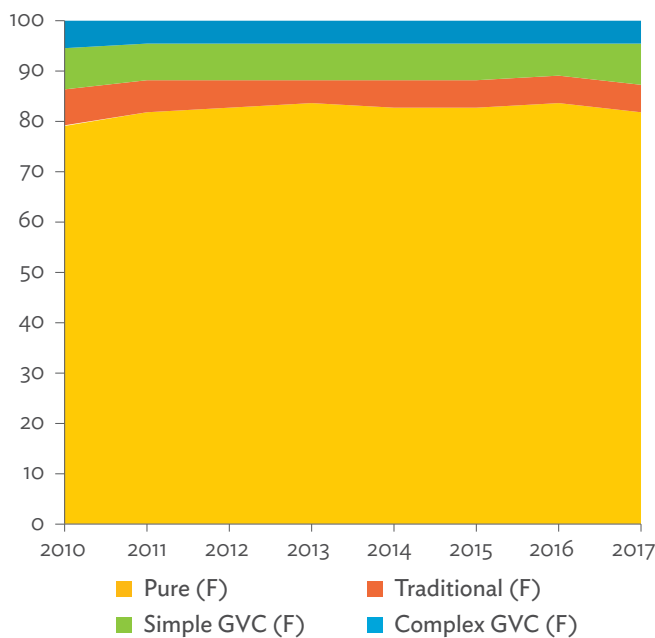
Figure 7.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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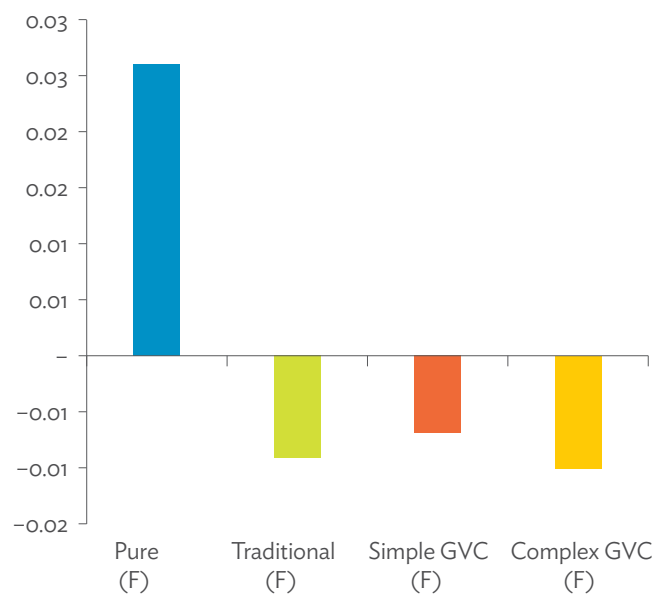
Figure 7.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

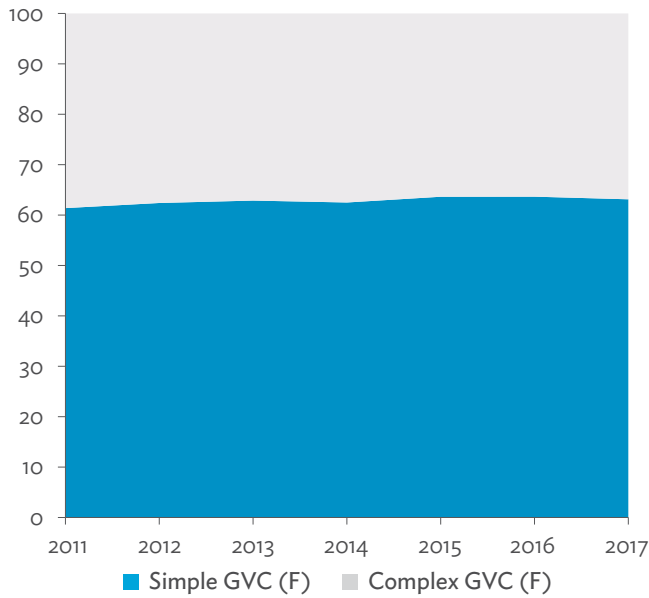
Figure 7.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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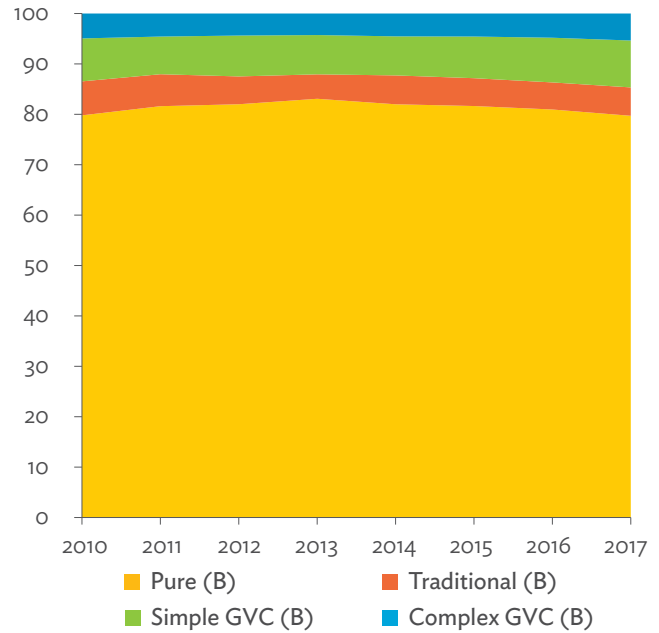
Figure 7.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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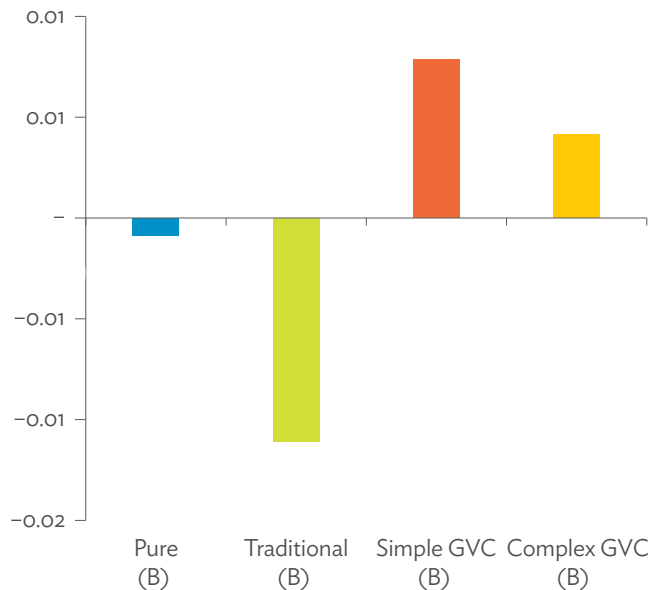
Figure 7.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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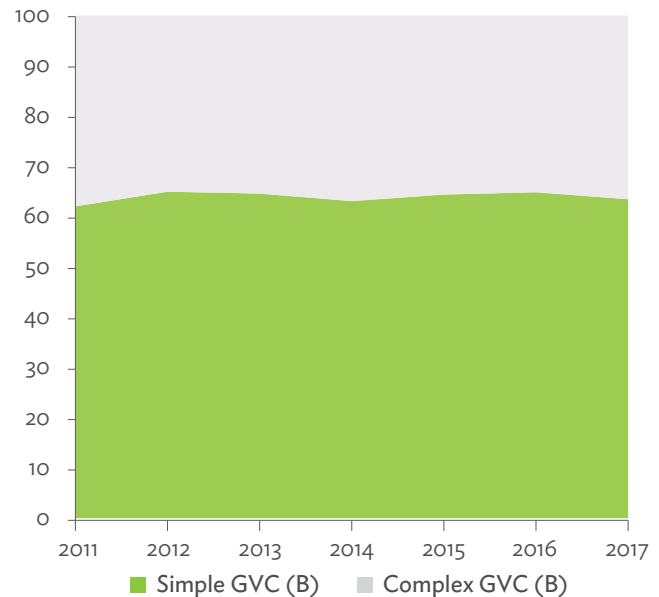
Figure 7.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

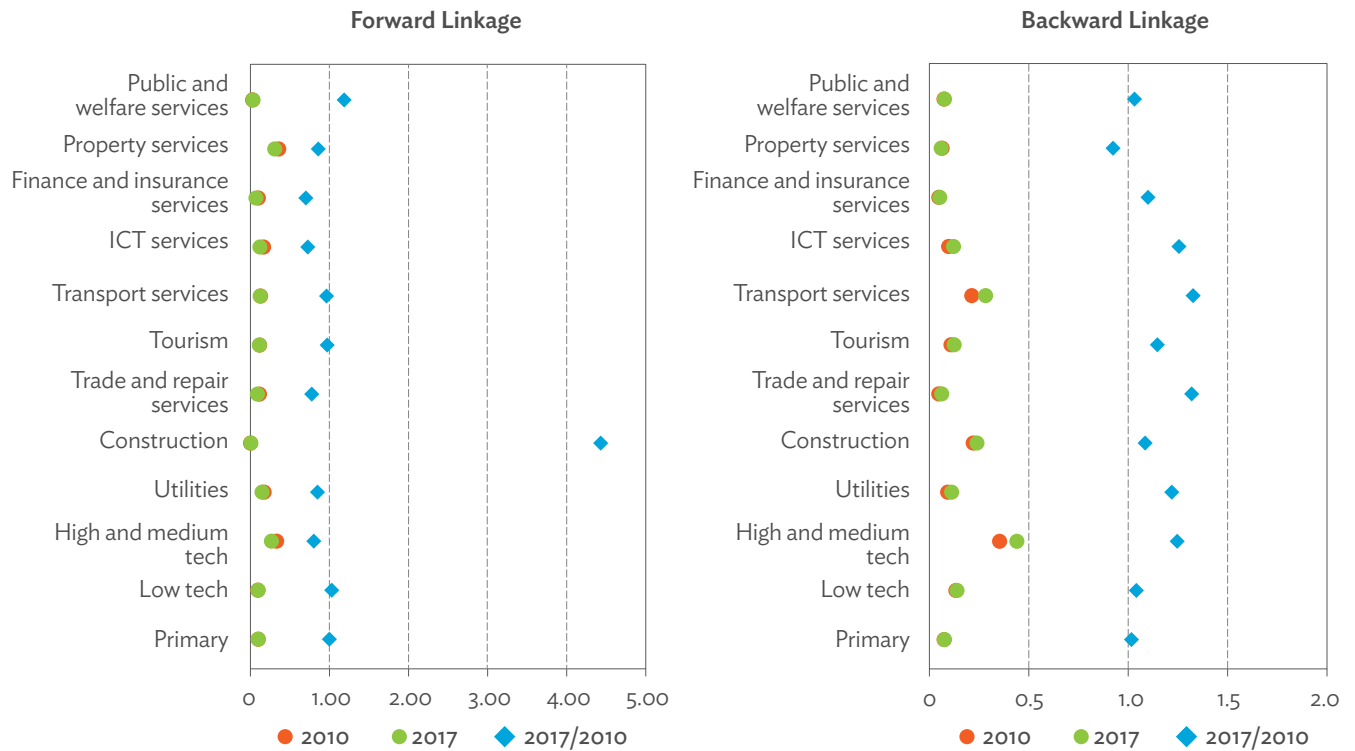
Figure 7.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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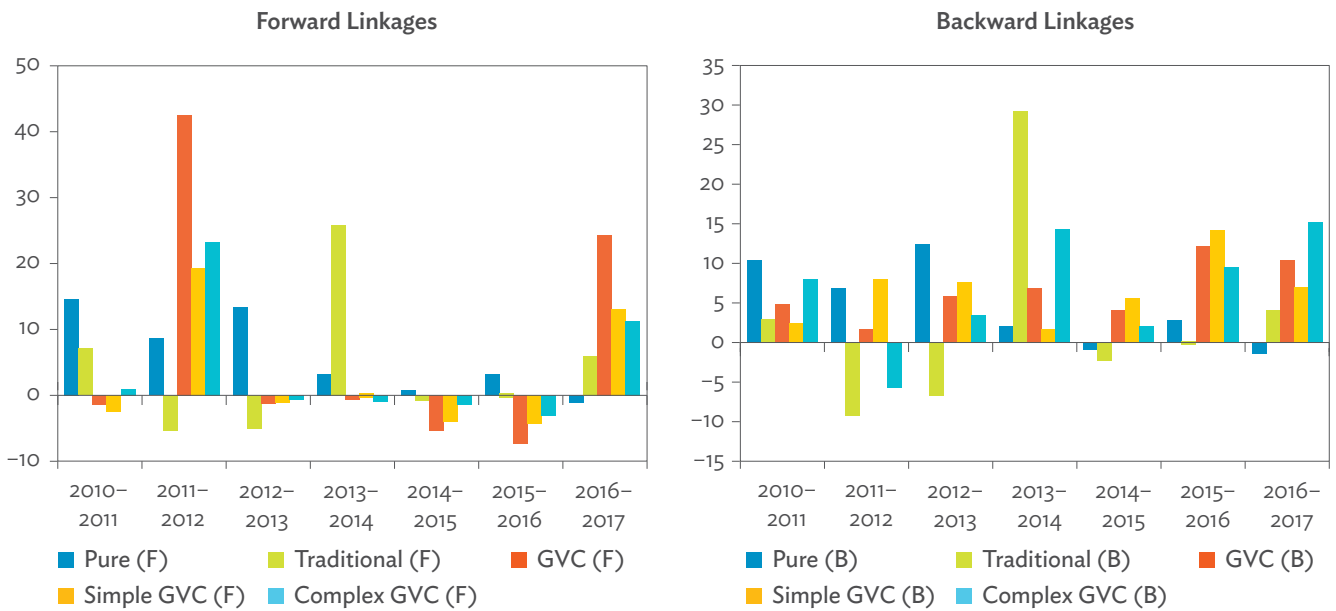
Figure 7.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 7.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

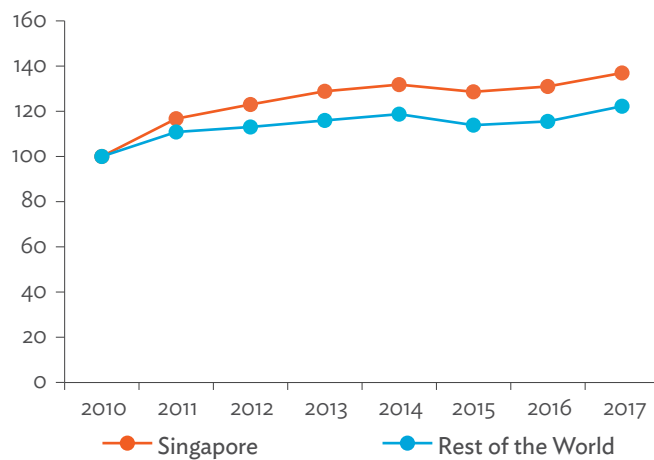
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8.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Singapore

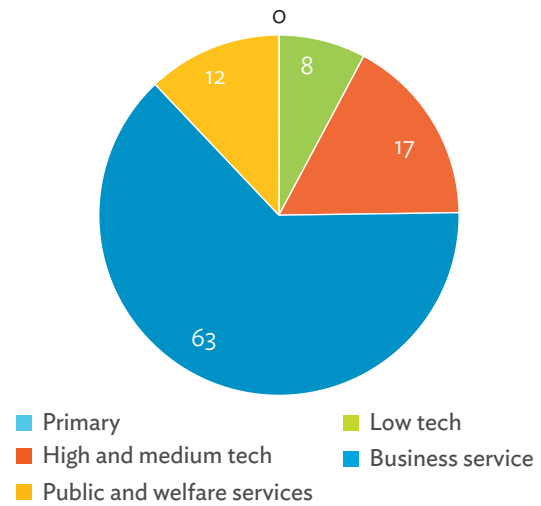
Figure 8.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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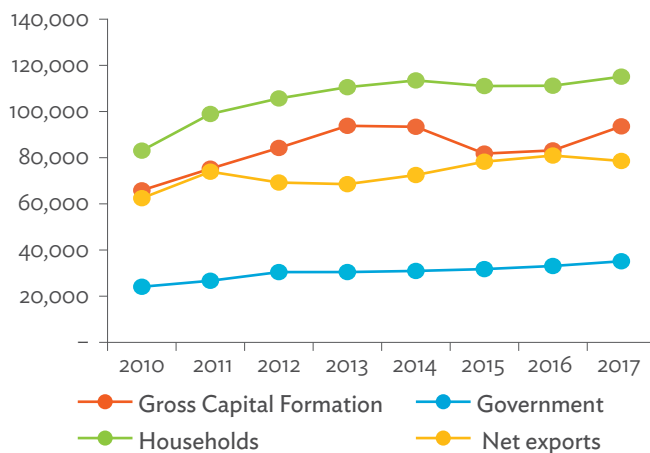
Figure 8.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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Figure 8.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)

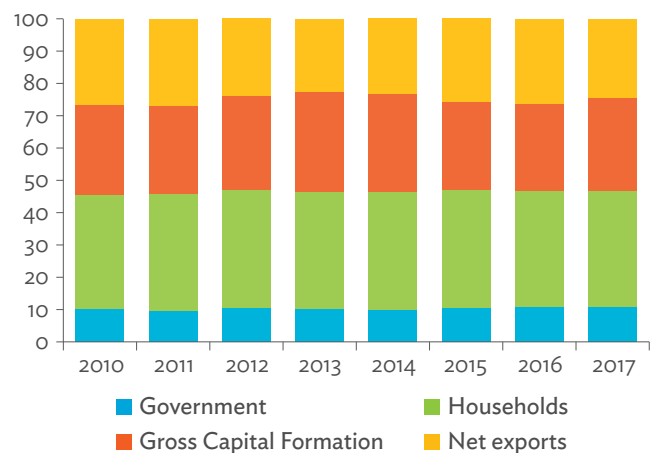


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

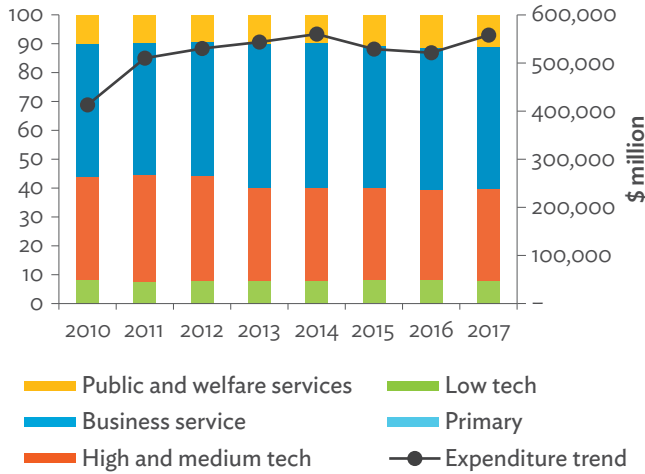
Figure 8.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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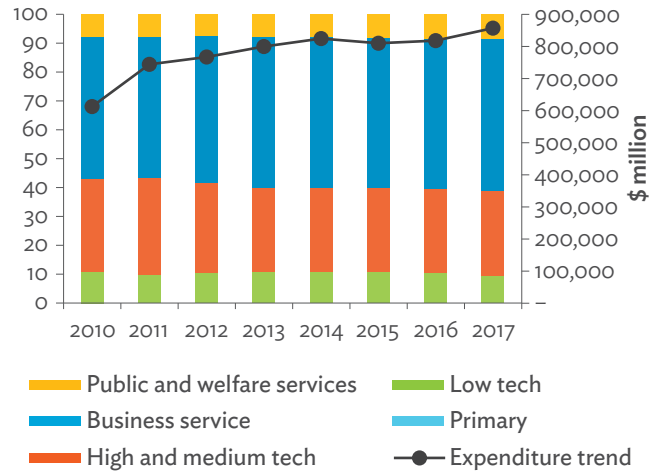
Figure 8.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 8.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

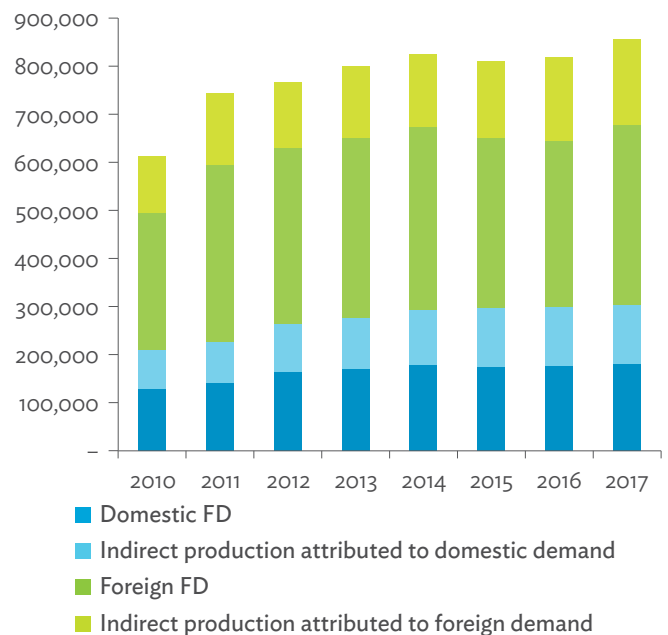
Figure 8.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

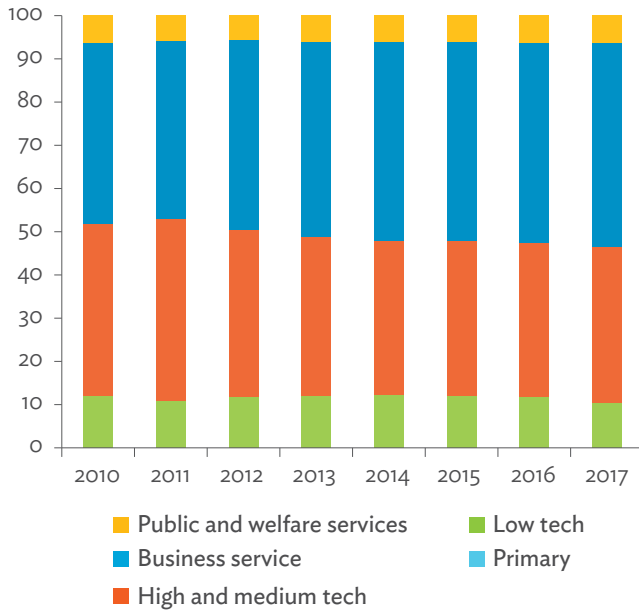
Figure 8.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

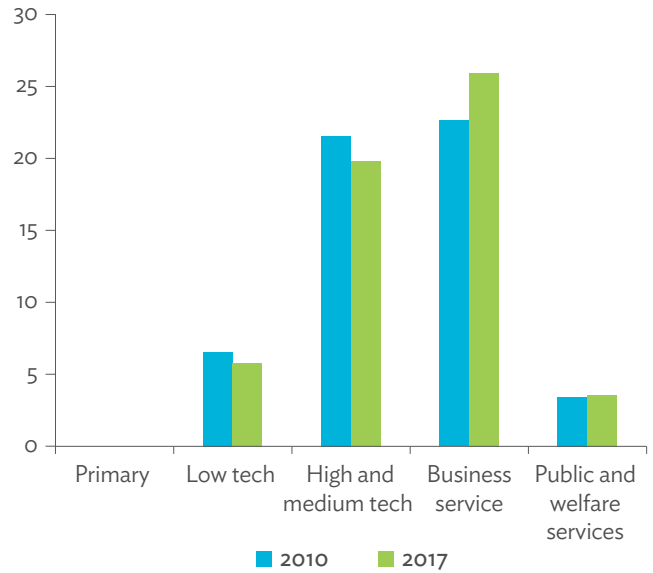
Figure 8.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

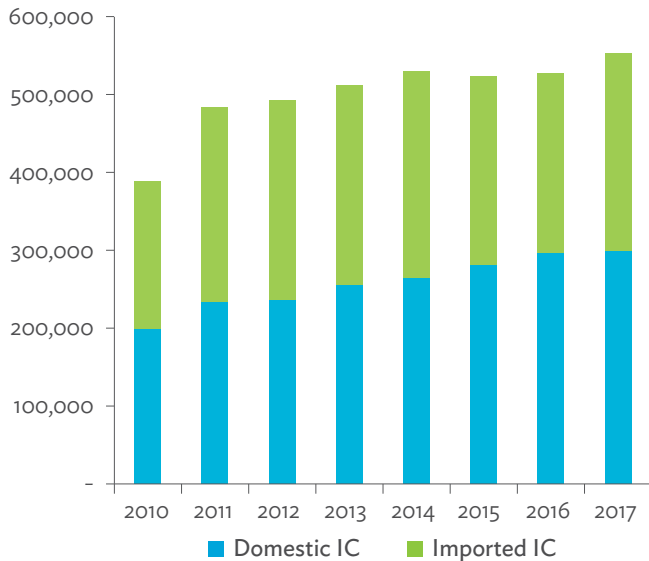
Figure 8.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 8.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

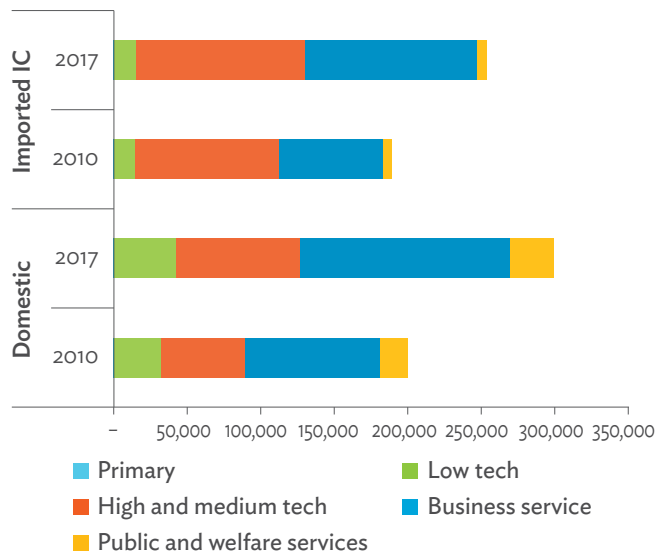


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 8.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

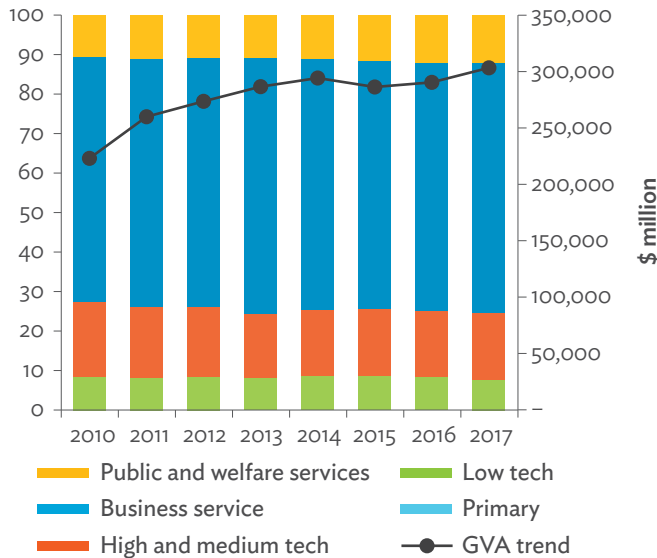


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

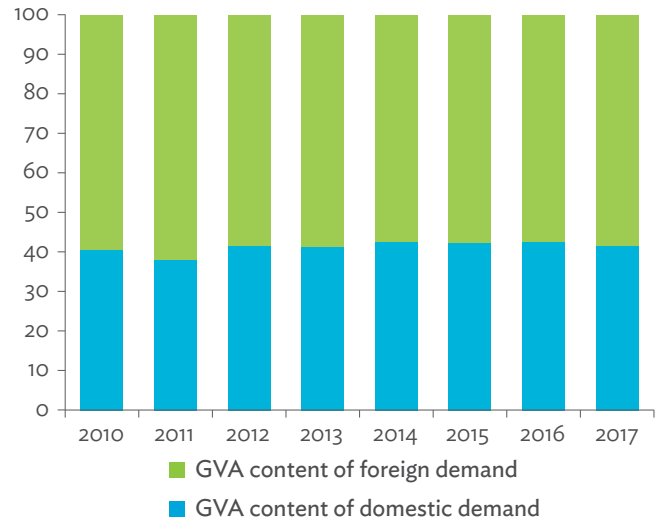
Figure 8.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

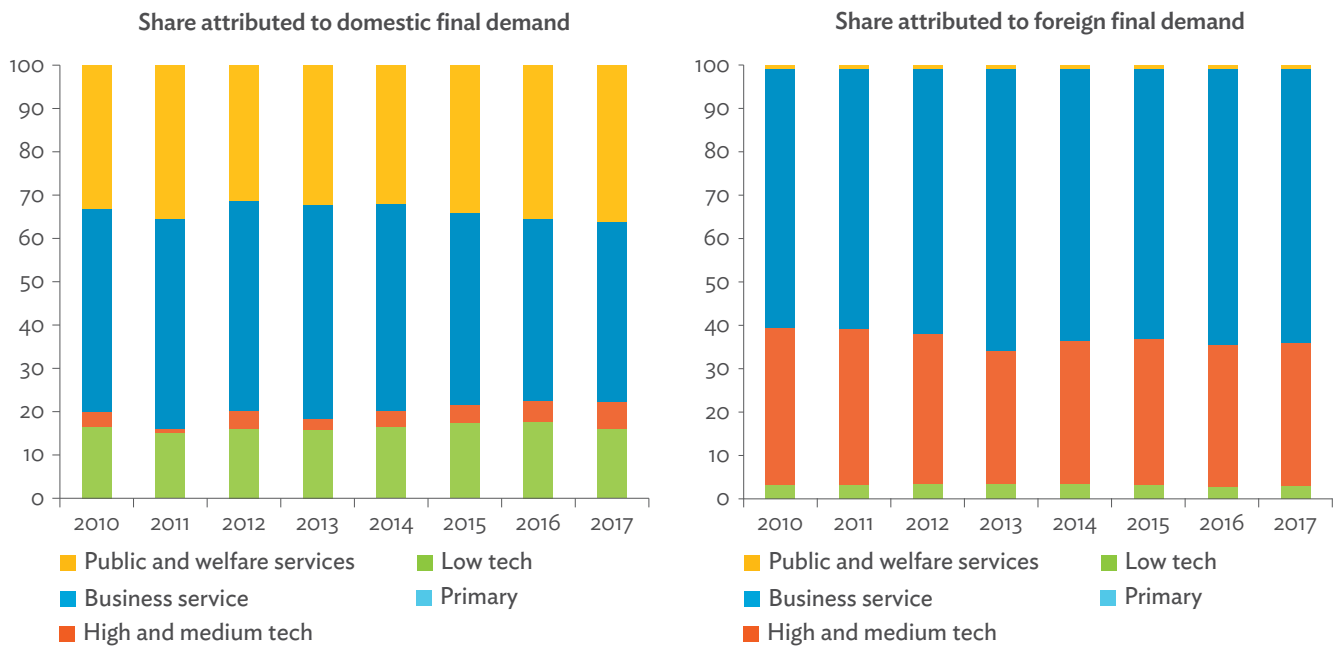
Figure 8.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 8.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 8.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.670 | 0.678 | 0.697 | 0.684 | 0.653 | 0.668 | 0.677 | 0.666 |
| Mining and quarrying | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Food, beverages, and tobacco | 0.436 | 0.430 | 0.550 | 0.542 | 0.576 | 0.594 | 0.606 | 0.595 |
| Textiles and textile products | 0.346 | 0.327 | 0.402 | 0.423 | 0.466 | 0.517 | 0.534 | 0.523 |
| Leather, leather products, and footwear | 0.517 | 0.502 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Wood and products of wood and cork | 0.525 | 0.350 | 0.405 | 0.409 | 0.418 | 0.303 | 0.323 | 0.309 |
| Pulp, paper, paper products, printing, and publishing | 0.583 | 0.591 | 0.661 | 0.665 | 0.676 | 0.694 | 0.703 | 0.693 |
| Coke, refined petroleum, and nuclear fuel | 0.144 | 0.130 | 0.088 | 0.067 | 0.119 | 0.146 | 0.159 | 0.138 |
| Chemicals and chemical products | 0.494 | 0.530 | 0.543 | 0.541 | 0.554 | 0.577 | 0.589 | 0.576 |
| Rubber and plastics | 0.586 | 0.583 | 0.554 | 0.476 | 0.532 | 0.548 | 0.554 | 0.533 |
| Other nonmetallic minerals | 0.499 | 0.462 | 0.414 | 0.381 | 0.381 | 0.404 | 0.421 | 0.421 |
| Basic metals and fabricated metal | 0.402 | 0.391 | 0.405 | 0.416 | 0.401 | 0.428 | 0.445 | 0.427 |
| Machinery, nec | 0.475 | 0.476 | 0.485 | 0.525 | 0.507 | 0.537 | 0.545 | 0.535 |
| Electrical and optical equipment | 0.375 | 0.331 | 0.313 | 0.325 | 0.347 | 0.374 | 0.390 | 0.381 |
| Transport equipment | 0.541 | 0.415 | 0.471 | 0.458 | 0.454 | 0.478 | 0.492 | 0.487 |
| Manufacturing, nec; recycling | 0.431 | 0.393 | 0.393 | 0.446 | 0.407 | 0.429 | 0.446 | 0.434 |
| Electricity, gas, and water supply | 0.502 | 0.433 | 0.436 | 0.457 | 0.458 | 0.485 | 0.500 | 0.487 |
| Construction | 0.623 | 0.597 | 0.611 | 0.595 | 0.620 | 0.637 | 0.646 | 0.628 |
| Sale, maintenance, and repair | 0.504 | 0.621 | 0.601 | 0.581 | 0.624 | 0.630 | 0.640 | 0.630 |
| Wholesale trade and commission trade | 0.668 | 0.643 | 0.646 | 0.642 | 0.587 | 0.602 | 0.616 | 0.606 |
| Retail trade | 0.851 | 0.853 | 0.847 | 0.844 | 0.845 | 0.824 | 0.833 | 0.823 |
| Hotels and restaurants | 0.669 | 0.668 | 0.694 | 0.693 | 0.699 | 0.701 | 0.715 | 0.704 |
| Inland transport | 0.788 | 0.802 | 0.762 | 0.747 | 0.772 | 0.786 | 0.784 | 0.773 |
| Water transport | 0.283 | 0.228 | 0.268 | 0.274 | 0.245 | 0.268 | 0.289 | 0.273 |
| Air transport | 0.450 | 0.382 | 0.406 | 0.414 | 0.438 | 0.456 | 0.470 | 0.452 |
| Other supporting and auxiliary transport activities | 0.742 | 0.740 | 0.692 | 0.667 | 0.674 | 0.684 | 0.693 | 0.684 |
| Post and telecommunications | 0.649 | 0.621 | 0.493 | 0.474 | 0.489 | 0.511 | 0.523 | 0.514 |
| Financial intermediation | 0.722 | 0.672 | 0.701 | 0.705 | 0.701 | 0.716 | 0.714 | 0.708 |
| Real estate activities | 0.888 | 0.925 | 0.882 | 0.881 | 0.884 | 0.830 | 0.890 | 0.876 |
| Renting of M&Eq and other business activities | 0.655 | 0.640 | 0.694 | 0.674 | 0.670 | 0.732 | 0.695 | 0.686 |
| Public administration and defense; compulsory social security | 0.628 | 0.629 | 0.650 | 0.623 | 0.663 | 0.676 | 0.683 | 0.676 |
| Education | 0.899 | 0.887 | 0.883 | 0.882 | 0.880 | 0.881 | 0.883 | 0.881 |
| Health and social work | 0.808 | 0.804 | 0.808 | 0.791 | 0.809 | 0.810 | 0.813 | 0.809 |
| Other community, social, and personal services | 0.824 | 0.824 | 0.827 | 0.824 | 0.825 | 0.832 | 0.833 | 0.828 |
| Private households with employed persons | 1.000 | 0.944 | 0.912 | 0.913 | 0.907 | 0.909 | 0.912 | 0.907 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 8.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.325 | 0.319 | 0.301 | 0.314 | 0.345 | 0.330 | 0.321 | 0.331 |
| Mining and quarrying | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Food, beverages, and tobacco | 0.563 | 0.569 | 0.449 | 0.457 | 0.424 | 0.406 | 0.393 | 0.404 |
| Textiles and textile products | 0.653 | 0.673 | 0.598 | 0.577 | 0.534 | 0.483 | 0.465 | 0.477 |
| Leather, leather products, and footwear | 0.482 | 0.497 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Wood and products of wood and cork | 0.474 | 0.650 | 0.594 | 0.590 | 0.582 | 0.697 | 0.676 | 0.691 |
| Pulp, paper, paper products, printing, and publishing | 0.416 | 0.408 | 0.339 | 0.335 | 0.323 | 0.305 | 0.296 | 0.307 |
| Coke, refined petroleum, and nuclear fuel | 0.855 | 0.869 | 0.911 | 0.932 | 0.880 | 0.853 | 0.840 | 0.861 |
| Chemicals and chemical products | 0.505 | 0.470 | 0.457 | 0.458 | 0.446 | 0.423 | 0.411 | 0.423 |
| Rubber and plastics | 0.412 | 0.416 | 0.445 | 0.522 | 0.467 | 0.452 | 0.445 | 0.467 |
| Other nonmetallic minerals | 0.500 | 0.537 | 0.585 | 0.618 | 0.619 | 0.595 | 0.578 | 0.578 |
| Basic metals and fabricated metal | 0.596 | 0.608 | 0.594 | 0.584 | 0.598 | 0.571 | 0.554 | 0.572 |
| Machinery, nec | 0.524 | 0.524 | 0.515 | 0.475 | 0.492 | 0.462 | 0.454 | 0.465 |
| Electrical and optical equipment | 0.624 | 0.669 | 0.687 | 0.675 | 0.653 | 0.626 | 0.609 | 0.619 |
| Transport equipment | 0.458 | 0.584 | 0.529 | 0.541 | 0.545 | 0.522 | 0.508 | 0.513 |
| Manufacturing, nec; recycling | 0.568 | 0.606 | 0.607 | 0.554 | 0.593 | 0.571 | 0.553 | 0.566 |
| Electricity, gas, and water supply | 0.496 | 0.565 | 0.562 | 0.541 | 0.540 | 0.513 | 0.497 | 0.510 |
| Construction | 0.376 | 0.402 | 0.389 | 0.405 | 0.380 | 0.363 | 0.353 | 0.371 |
| Sale, maintenance, and repair | 0.495 | 0.378 | 0.398 | 0.419 | 0.376 | 0.370 | 0.359 | 0.369 |
| Wholesale trade and commission trade | 0.332 | 0.357 | 0.354 | 0.358 | 0.413 | 0.397 | 0.383 | 0.393 |
| Retail trade | 0.147 | 0.146 | 0.152 | 0.155 | 0.153 | 0.174 | 0.165 | 0.175 |
| Hotels and restaurants | 0.329 | 0.330 | 0.304 | 0.305 | 0.299 | 0.297 | 0.283 | 0.294 |
| Inland transport | 0.210 | 0.197 | 0.237 | 0.252 | 0.227 | 0.213 | 0.214 | 0.225 |
| Water transport | 0.715 | 0.771 | 0.731 | 0.725 | 0.754 | 0.731 | 0.710 | 0.726 |
| Air transport | 0.547 | 0.615 | 0.591 | 0.583 | 0.559 | 0.541 | 0.526 | 0.544 |
| Other supporting and auxiliary transport activities | 0.256 | 0.259 | 0.307 | 0.332 | 0.325 | 0.315 | 0.306 | 0.314 |
| Post and telecommunications | 0.350 | 0.378 | 0.506 | 0.525 | 0.510 | 0.488 | 0.476 | 0.484 |
| Financial intermediation | 0.275 | 0.325 | 0.296 | 0.292 | 0.296 | 0.281 | 0.283 | 0.289 |
| Real estate activities | 0.109 | 0.071 | 0.115 | 0.116 | 0.113 | 0.165 | 0.104 | 0.117 |
| Renting of M&Eq and other business activities | 0.344 | 0.359 | 0.305 | 0.325 | 0.329 | 0.268 | 0.304 | 0.313 |
| Public administration and defense; compulsory social security | 0.368 | 0.367 | 0.347 | 0.374 | 0.333 | 0.321 | 0.314 | 0.320 |
| Education | 0.098 | 0.110 | 0.114 | 0.115 | 0.118 | 0.116 | 0.115 | 0.117 |
| Health and social work | 0.185 | 0.189 | 0.183 | 0.200 | 0.183 | 0.182 | 0.179 | 0.183 |
| Other community, social, and personal services | 0.171 | 0.171 | 0.167 | 0.170 | 0.170 | 0.162 | 0.162 | 0.166 |
| Private households with employed persons | 0.000 | 0.055 | 0.088 | 0.086 | 0.092 | 0.090 | 0.088 | 0.092 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 8.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.543 | 1.545 | 1.562 | 1.467 | 1.484 | 1.519 | 1.553 | 1.532 |
| Mining and quarrying | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Food, beverages, and tobacco | 1.594 | 1.378 | 1.571 | 1.638 | 1.675 | 1.723 | 1.766 | 1.726 |
| Textiles and textile products | 1.450 | 1.196 | 1.298 | 1.262 | 1.207 | 1.341 | 1.386 | 1.358 |
| Leather, leather products, and footwear | 1.436 | 1.379 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Wood and products of wood and cork | 1.520 | 1.195 | 1.343 | 1.388 | 1.410 | 1.590 | 1.656 | 1.616 |
| Pulp, paper, paper products, printing, and publishing | 1.438 | 1.374 | 1.393 | 1.411 | 1.435 | 1.459 | 1.486 | 1.470 |
| Coke, refined petroleum, and nuclear fuel | 1.432 | 1.605 | 1.350 | 1.435 | 1.464 | 1.563 | 1.649 | 1.601 |
| Chemicals and chemical products | 1.211 | 1.208 | 1.177 | 1.259 | 1.256 | 1.299 | 1.342 | 1.321 |
| Rubber and plastics | 1.684 | 1.738 | 1.647 | 1.577 | 1.679 | 1.731 | 1.776 | 1.750 |
| Other nonmetallic minerals | 1.679 | 1.587 | 1.428 | 1.597 | 1.607 | 1.672 | 1.733 | 1.680 |
| Basic metals and fabricated metal | 1.366 | 1.312 | 1.338 | 1.374 | 1.365 | 1.430 | 1.484 | 1.450 |
| Machinery, nec | 1.472 | 1.571 | 1.657 | 1.607 | 1.592 | 1.635 | 1.693 | 1.661 |
| Electrical and optical equipment | 1.436 | 1.336 | 1.278 | 1.297 | 1.330 | 1.397 | 1.459 | 1.424 |
| Transport equipment | 1.448 | 1.230 | 1.448 | 1.474 | 1.515 | 1.576 | 1.631 | 1.591 |
| Manufacturing, nec; recycling | 1.504 | 1.362 | 1.337 | 1.388 | 1.282 | 1.350 | 1.404 | 1.370 |
| Electricity, gas, and water supply | 1.533 | 1.378 | 1.413 | 1.419 | 1.400 | 1.457 | 1.509 | 1.479 |
| Construction | 2.092 | 2.072 | 2.147 | 2.165 | 2.203 | 2.241 | 2.285 | 2.216 |
| Sale, maintenance, and repair | 1.448 | 1.327 | 1.466 | 1.471 | 1.497 | 1.543 | 1.570 | 1.549 |
| Wholesale trade and commission trade | 1.360 | 1.314 | 1.380 | 1.386 | 1.358 | 1.400 | 1.439 | 1.415 |
| Retail trade | 1.689 | 1.655 | 1.713 | 1.705 | 1.720 | 1.774 | 1.728 | 1.722 |
| Hotels and restaurants | 1.598 | 1.526 | 1.579 | 1.598 | 1.597 | 1.647 | 1.646 | 1.623 |
| Inland transport | 1.653 | 1.536 | 1.622 | 1.568 | 1.614 | 1.629 | 1.655 | 1.642 |
| Water transport | 1.398 | 1.257 | 1.388 | 1.449 | 1.294 | 1.375 | 1.445 | 1.402 |
| Air transport | 1.498 | 1.428 | 1.441 | 1.502 | 1.499 | 1.565 | 1.615 | 1.582 |
| Other supporting and auxiliary transport activities | 1.604 | 1.589 | 1.437 | 1.438 | 1.406 | 1.442 | 1.471 | 1.451 |
| Post and telecommunications | 1.680 | 1.773 | 1.449 | 1.406 | 1.491 | 1.545 | 1.594 | 1.564 |
| Financial intermediation | 1.424 | 1.351 | 1.417 | 1.403 | 1.371 | 1.403 | 1.445 | 1.427 |
| Real estate activities | 1.526 | 1.294 | 1.510 | 1.487 | 1.498 | 1.791 | 1.499 | 1.534 |
| Renting of M&Eq and other business activities | 1.448 | 1.647 | 1.466 | 1.450 | 1.433 | 1.398 | 1.495 | 1.477 |
| Public administration and defense; compulsory social security | 1.768 | 1.767 | 1.785 | 1.736 | 1.800 | 1.834 | 1.869 | 1.846 |
| Education | 1.289 | 1.298 | 1.310 | 1.305 | 1.309 | 1.323 | 1.334 | 1.327 |
| Health and social work | 1.538 | 1.531 | 1.542 | 1.563 | 1.541 | 1.557 | 1.573 | 1.566 |
| Other community, social, and personal services | 1.505 | 1.482 | 1.441 | 1.443 | 1.474 | 1.490 | 1.506 | 1.496 |
| Private households with employed persons | 1.003 | 1.187 | 1.278 | 1.271 | 1.261 | 1.263 | 1.263 | 1.258 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

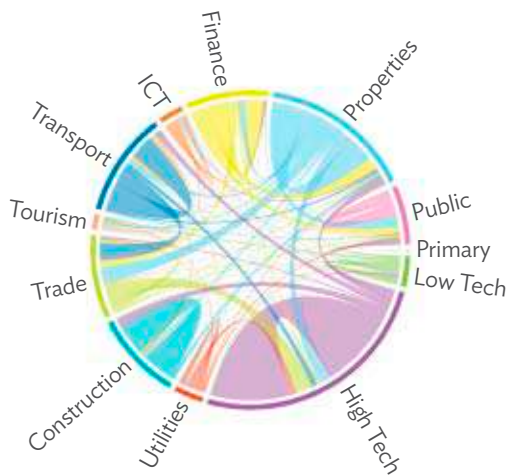
Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

8.2

Singapore

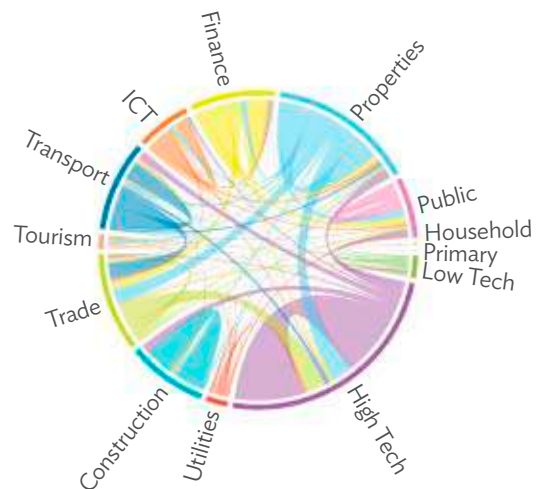
Figure 8.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

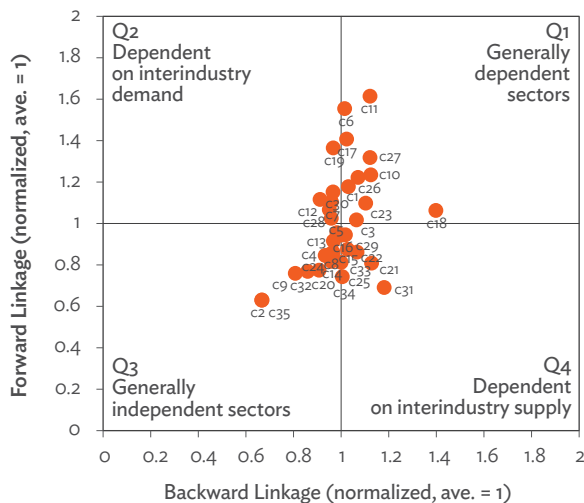
Figure 8.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

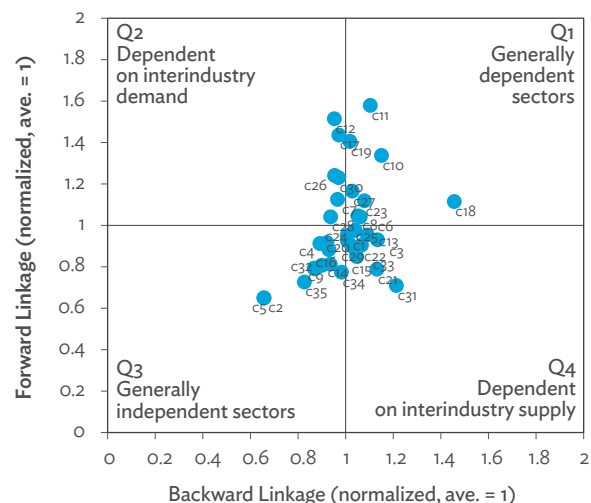
Figure 8.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 8.2.2b: Backward and Forward Linkages by Industry, 2017

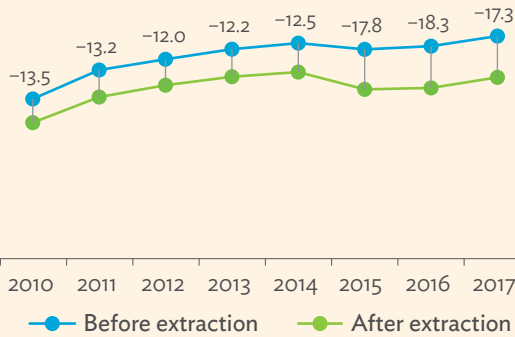


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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Box 8: Hypothetical Extraction of Renting of Machinery and Equipment and Other Business Activities Industry in Singapore

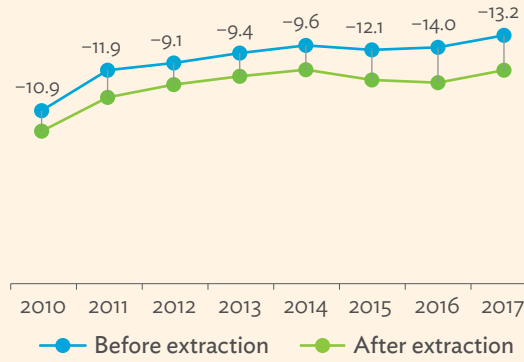
Figure 8.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

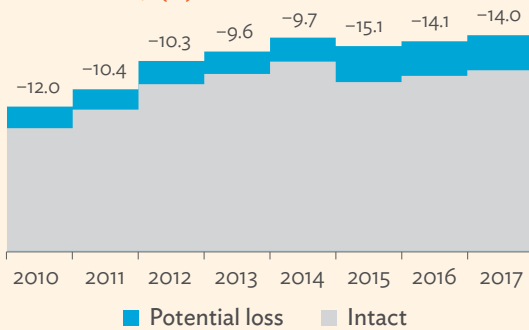
Figure 8.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

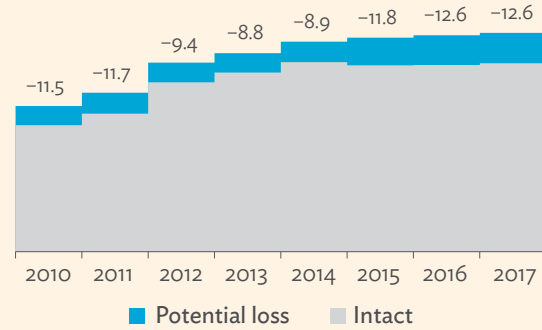
Figure 8.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

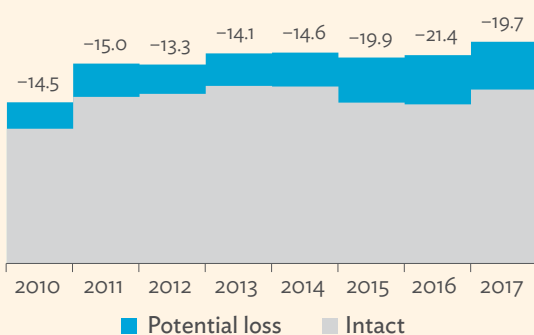
Figure 8.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

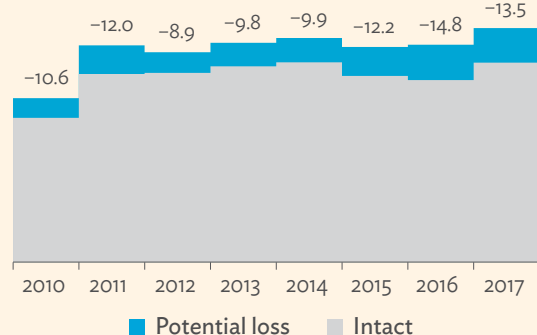
Figure 8.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 8.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 8.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.033 | 1.073 | 1.081 | 1.008 | 1.017 | 1.004 | 1.008 | 1.009 |
| Mining and quarrying | 0.670 | 0.694 | 0.692 | 0.687 | 0.685 | 0.661 | 0.649 | 0.659 |
| Food, beverages, and tobacco | 1.068 | 0.956 | 1.087 | 1.126 | 1.148 | 1.139 | 1.146 | 1.137 |
| Textiles and textile products | 0.971 | 0.830 | 0.897 | 0.867 | 0.827 | 0.886 | 0.899 | 0.895 |
| Leather, leather products, and footwear | 0.962 | 0.957 | 0.692 | 0.687 | 0.685 | 0.661 | 0.649 | 0.659 |
| Wood and products of wood and cork | 1.018 | 0.829 | 0.928 | 0.953 | 0.966 | 1.051 | 1.074 | 1.064 |
| Pulp, paper, paper products, printing, and publishing | 0.963 | 0.953 | 0.963 | 0.969 | 0.984 | 0.964 | 0.964 | 0.969 |
| Coke, refined petroleum, and nuclear fuel | 0.959 | 1.114 | 0.934 | 0.986 | 1.003 | 1.033 | 1.069 | 1.054 |
| Chemicals and chemical products | 0.811 | 0.838 | 0.814 | 0.865 | 0.861 | 0.859 | 0.871 | 0.870 |
| Rubber and plastics | 1.127 | 1.206 | 1.139 | 1.083 | 1.151 | 1.144 | 1.152 | 1.153 |
| Other nonmetallic minerals | 1.124 | 1.102 | 0.988 | 1.097 | 1.101 | 1.105 | 1.124 | 1.107 |
| Basic metals and fabricated metal | 0.915 | 0.911 | 0.925 | 0.944 | 0.936 | 0.945 | 0.963 | 0.955 |
| Machinery, nec | 0.986 | 1.090 | 1.146 | 1.104 | 1.091 | 1.081 | 1.098 | 1.094 |
| Electrical and optical equipment | 0.962 | 0.927 | 0.884 | 0.891 | 0.912 | 0.923 | 0.946 | 0.938 |
| Transport equipment | 0.970 | 0.854 | 1.002 | 1.013 | 1.039 | 1.042 | 1.058 | 1.048 |
| Manufacturing, nec; recycling | 1.007 | 0.945 | 0.925 | 0.954 | 0.878 | 0.892 | 0.911 | 0.903 |
| Electricity, gas, and water supply | 1.027 | 0.957 | 0.977 | 0.975 | 0.959 | 0.963 | 0.979 | 0.974 |
| Construction | 1.401 | 1.438 | 1.485 | 1.487 | 1.510 | 1.481 | 1.482 | 1.460 |
| Sale, maintenance, and repair | 0.970 | 0.921 | 1.014 | 1.011 | 1.026 | 1.019 | 1.018 | 1.021 |
| Wholesale trade and commission trade | 0.910 | 0.912 | 0.954 | 0.952 | 0.931 | 0.925 | 0.933 | 0.932 |
| Retail trade | 1.131 | 1.149 | 1.185 | 1.171 | 1.179 | 1.172 | 1.121 | 1.134 |
| Hotels and restaurants | 1.070 | 1.059 | 1.092 | 1.098 | 1.095 | 1.088 | 1.067 | 1.070 |
| Inland transport | 1.107 | 1.066 | 1.122 | 1.077 | 1.106 | 1.077 | 1.073 | 1.082 |
| Water transport | 0.936 | 0.872 | 0.960 | 0.996 | 0.887 | 0.909 | 0.937 | 0.924 |
| Air transport | 1.003 | 0.991 | 0.997 | 1.032 | 1.027 | 1.034 | 1.048 | 1.042 |
| Other supporting and auxiliary transport activities | 1.074 | 1.103 | 0.994 | 0.988 | 0.964 | 0.953 | 0.954 | 0.956 |
| Post and telecommunications | 1.125 | 1.231 | 1.002 | 0.966 | 1.022 | 1.021 | 1.034 | 1.031 |
| Financial intermediation | 0.953 | 0.938 | 0.980 | 0.964 | 0.940 | 0.927 | 0.937 | 0.940 |
| Real estate activities | 1.022 | 0.898 | 1.044 | 1.022 | 1.027 | 1.183 | 0.972 | 1.010 |
| Renting of M&Eq and other business activities | 0.970 | 1.143 | 1.013 | 0.997 | 0.982 | 0.924 | 0.970 | 0.973 |
| Public administration and defense; compulsory social security | 1.184 | 1.226 | 1.235 | 1.193 | 1.234 | 1.212 | 1.212 | 1.216 |
| Education | 0.863 | 0.901 | 0.906 | 0.897 | 0.897 | 0.874 | 0.865 | 0.874 |
| Health and social work | 1.030 | 1.062 | 1.066 | 1.074 | 1.056 | 1.029 | 1.021 | 1.032 |
| Other community, social, and personal services | 1.008 | 1.028 | 0.997 | 0.992 | 1.010 | 0.985 | 0.977 | 0.985 |
| Private households with employed persons | 0.672 | 0.824 | 0.884 | 0.873 | 0.864 | 0.835 | 0.819 | 0.829 |

lowest linkage  highest linkage


M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 8.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.182 | 1.092 | 1.061 | 1.218 | 1.165 | 1.237 | 1.255 | 0.950 |
| Mining and quarrying | 0.619 | 0.641 | 0.657 | 0.654 | 0.646 | 0.635 | 0.618 | 0.640 |
| Food, beverages, and tobacco | 1.017 | 0.871 | 0.938 | 1.040 | 0.989 | 1.009 | 1.023 | 0.928 |
| Textiles and textile products | 0.913 | 0.901 | 0.954 | 1.046 | 0.972 | 1.023 | 0.903 | 0.910 |
| Leather, leather products, and footwear | 1.025 | 0.964 | 0.657 | 0.654 | 0.646 | 0.635 | 0.618 | 0.640 |
| Wood and products of wood and cork | 1.569 | 1.289 | 0.996 | 1.096 | 1.044 | 1.079 | 1.105 | 1.043 |
| Pulp, paper, paper products, printing, and publishing | 1.107 | 1.124 | 1.126 | 1.150 | 1.113 | 1.119 | 1.249 | 1.129 |
| Coke, refined petroleum, and nuclear fuel | 0.847 | 0.966 | 0.867 | 0.989 | 0.938 | 0.955 | 0.982 | 1.048 |
| Chemicals and chemical products | 0.752 | 0.764 | 0.749 | 0.790 | 0.786 | 0.860 | 0.839 | 0.788 |
| Rubber and plastics | 1.241 | 1.303 | 1.277 | 1.204 | 1.272 | 1.260 | 1.311 | 1.347 |
| Other nonmetallic minerals | 1.631 | 1.625 | 1.622 | 1.739 | 1.721 | 1.750 | 1.747 | 1.596 |
| Basic metals and fabricated metal | 1.119 | 1.128 | 1.223 | 1.339 | 1.231 | 1.096 | 1.144 | 1.530 |
| Machinery, nec | 0.953 | 0.898 | 0.957 | 1.045 | 0.948 | 0.964 | 1.032 | 0.952 |
| Electrical and optical equipment | 0.811 | 0.807 | 0.764 | 0.796 | 0.780 | 0.816 | 0.829 | 0.807 |
| Transport equipment | 0.856 | 0.738 | 0.882 | 0.882 | 0.874 | 0.952 | 0.956 | 0.845 |
| Manufacturing, nec; recycling | 0.942 | 0.906 | 0.878 | 0.875 | 0.816 | 0.811 | 0.797 | 0.801 |
| Electricity, gas, and water supply | 1.418 | 1.403 | 1.442 | 1.449 | 1.443 | 1.416 | 1.405 | 1.449 |
| Construction | 1.064 | 1.122 | 1.195 | 1.187 | 1.214 | 1.184 | 1.151 | 1.119 |
| Sale, maintenance, and repair | 1.374 | 1.482 | 1.478 | 0.822 | 1.452 | 1.408 | 1.386 | 1.418 |
| Wholesale trade and commission trade | 0.768 | 0.820 | 0.831 | 0.808 | 0.831 | 0.862 | 0.840 | 0.879 |
| Retail trade | 0.802 | 0.795 | 0.799 | 0.773 | 0.800 | 0.770 | 0.756 | 0.782 |
| Hotels and restaurants | 0.857 | 0.797 | 0.927 | 0.921 | 0.911 | 0.880 | 0.874 | 0.901 |
| Inland transport | 1.100 | 1.200 | 1.157 | 1.141 | 1.141 | 1.103 | 1.086 | 1.122 |
| Water transport | 0.841 | 0.766 | 0.914 | 0.902 | 0.850 | 0.893 | 0.886 | 0.914 |
| Air transport | 0.806 | 0.897 | 0.896 | 0.913 | 0.950 | 0.952 | 0.935 | 0.975 |
| Other supporting and auxiliary transport activities | 1.228 | 1.225 | 1.217 | 1.211 | 1.199 | 1.228 | 1.202 | 1.248 |
| Post and telecommunications | 1.326 | 1.396 | 1.196 | 1.185 | 1.140 | 1.141 | 1.230 | 1.170 |
| Financial intermediation | 1.068 | 0.996 | 1.112 | 1.067 | 1.039 | 1.033 | 0.997 | 1.043 |
| Real estate activities | 0.943 | 1.035 | 0.959 | 0.938 | 0.938 | 0.906 | 0.892 | 0.922 |
| Renting of M&Eq and other business activities | 1.155 | 1.163 | 1.282 | 1.219 | 1.210 | 1.219 | 1.209 | 1.238 |
| Public administration and defense; compulsory social security | 0.681 | 0.709 | 0.731 | 0.719 | 0.711 | 0.693 | 0.681 | 0.701 |
| Education | 0.761 | 0.801 | 0.826 | 0.808 | 0.800 | 0.773 | 0.761 | 0.784 |
| Health and social work | 0.871 | 0.907 | 0.911 | 0.892 | 0.919 | 0.881 | 0.866 | 0.894 |
| Other community, social, and personal services | 0.735 | 0.755 | 0.773 | 0.771 | 0.781 | 0.754 | 0.741 | 0.767 |
| Private households with employed persons | 0.619 | 0.714 | 0.745 | 0.757 | 0.729 | 0.706 | 0.692 | 0.718 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

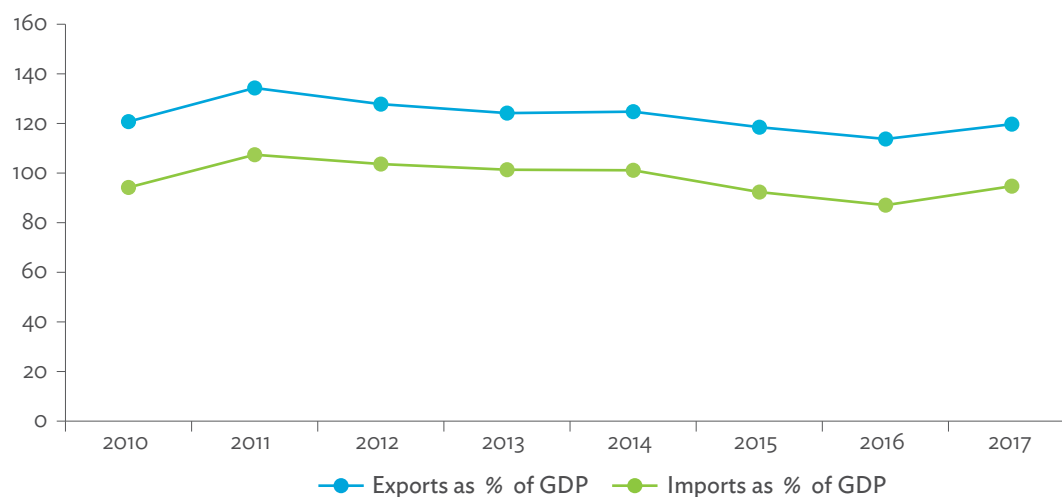
Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

8.3

Singapore

Figure 8.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)

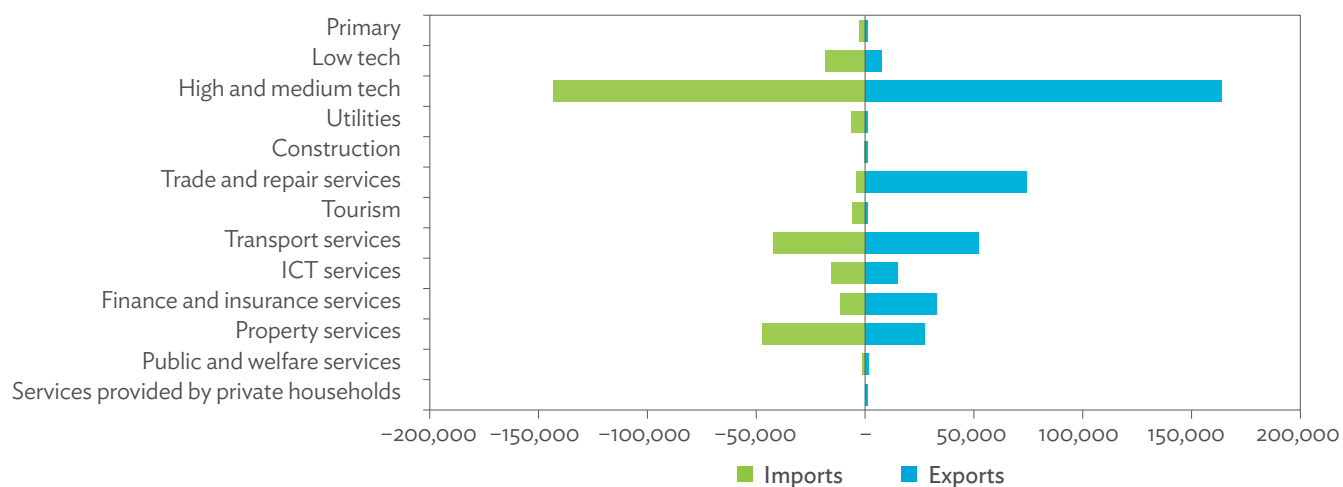


GDP = gross domestic product.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 8.3.2: Total Foreign Trade by Sector, 2017 (\$ million)

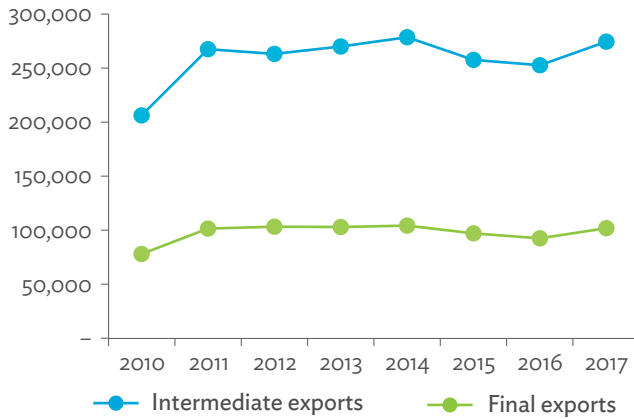


\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

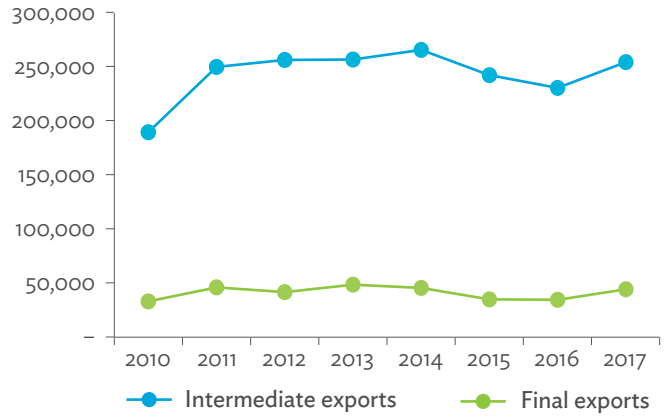
Figure 8.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

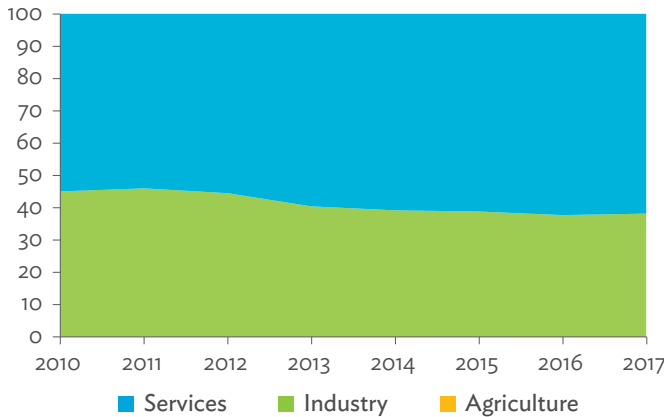
Figure 8.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

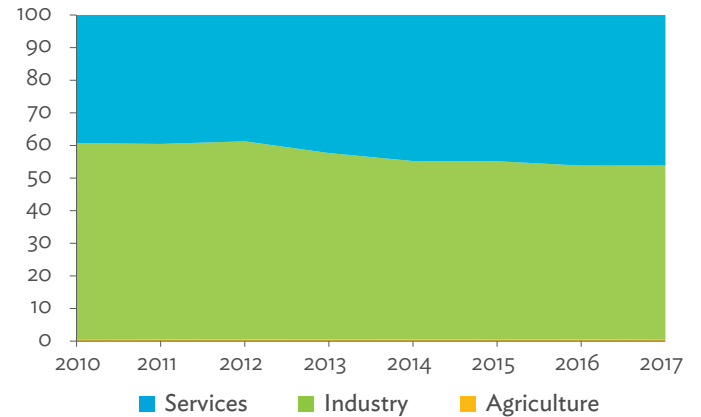
Figure 8.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

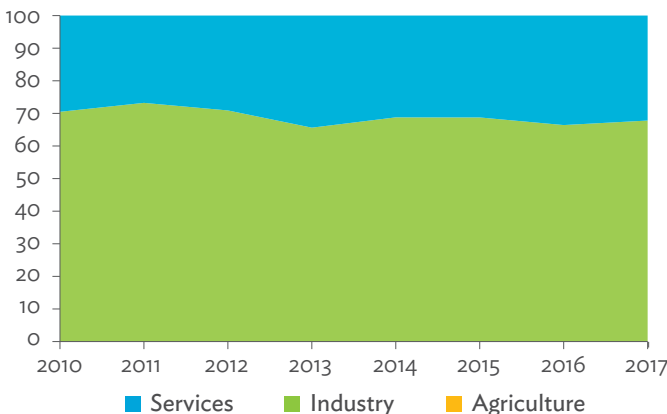
Figure 8.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

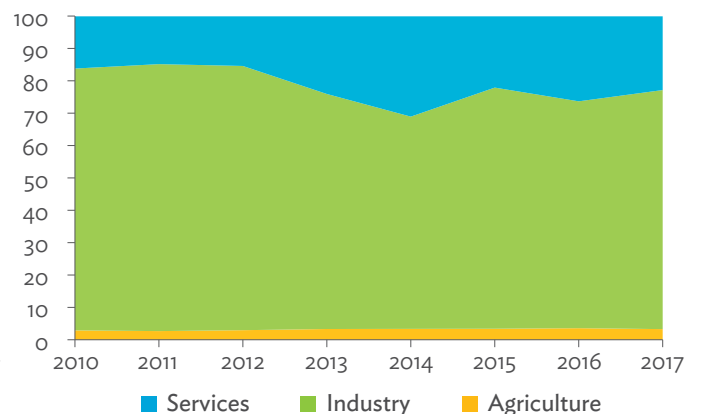
Figure 8.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

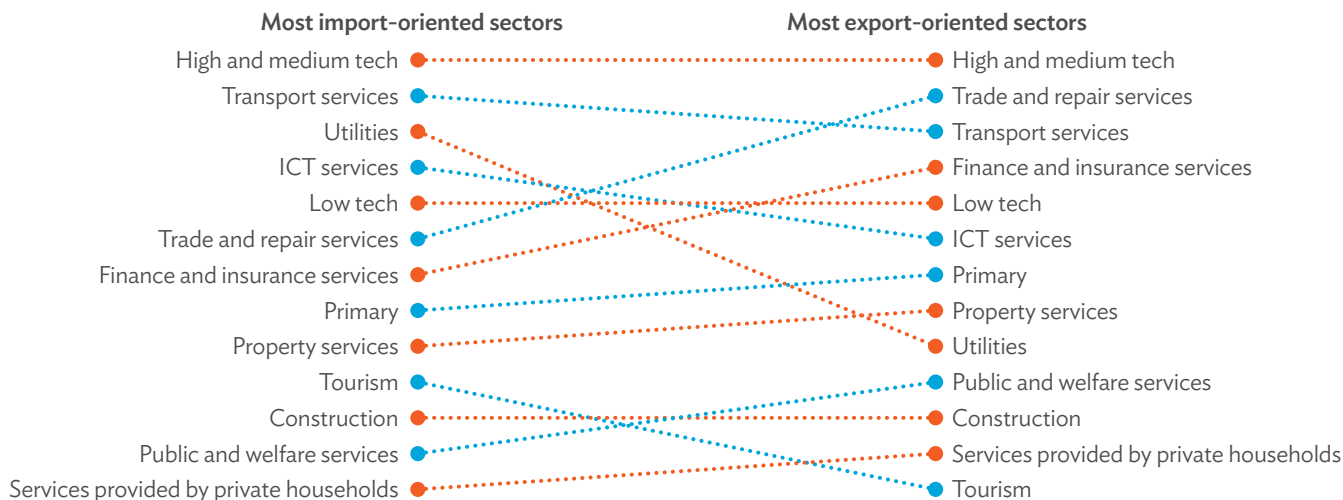
Figure 8.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

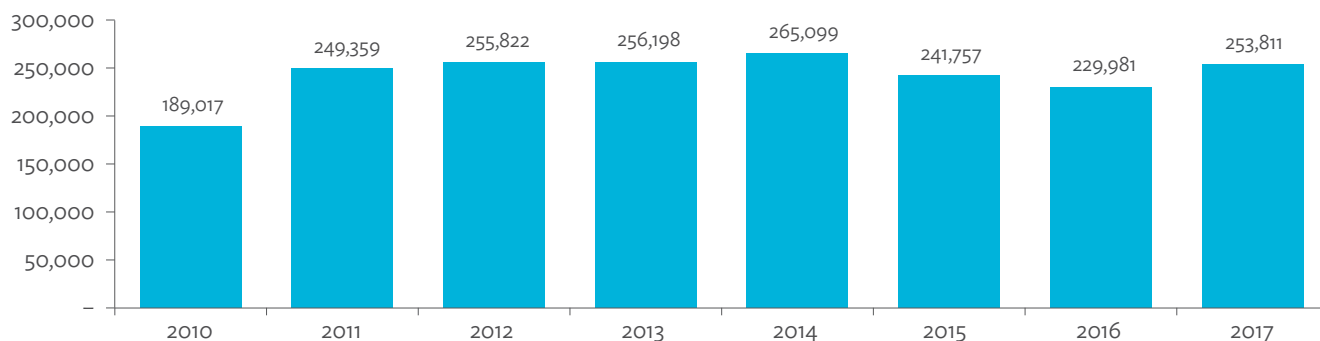
Figure 8.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

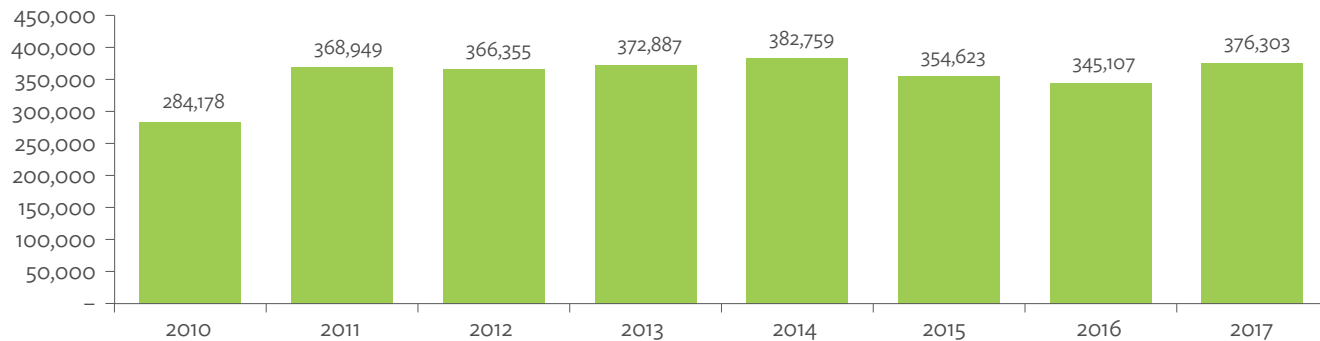
Figure 8.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

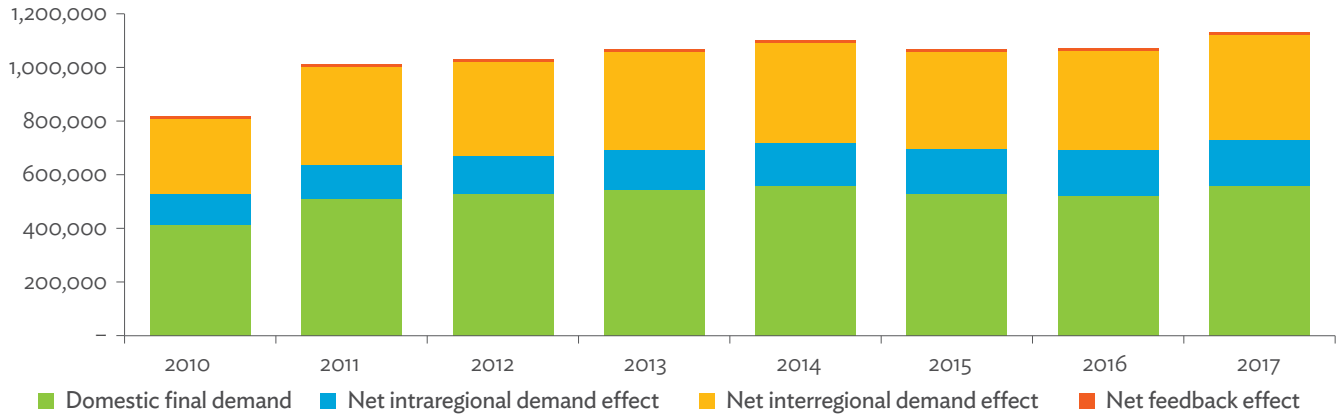
Figure 8.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 8.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

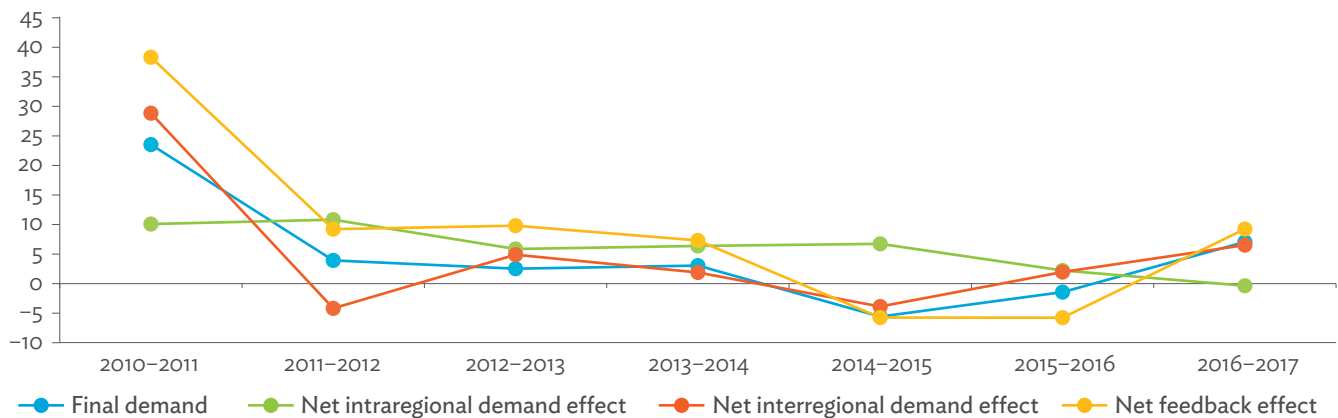


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

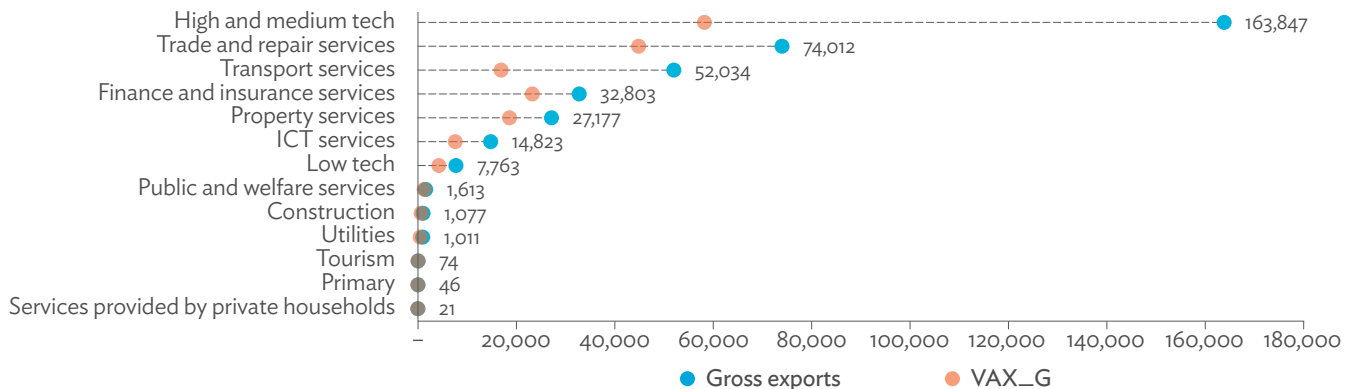
Figure 8.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 8.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

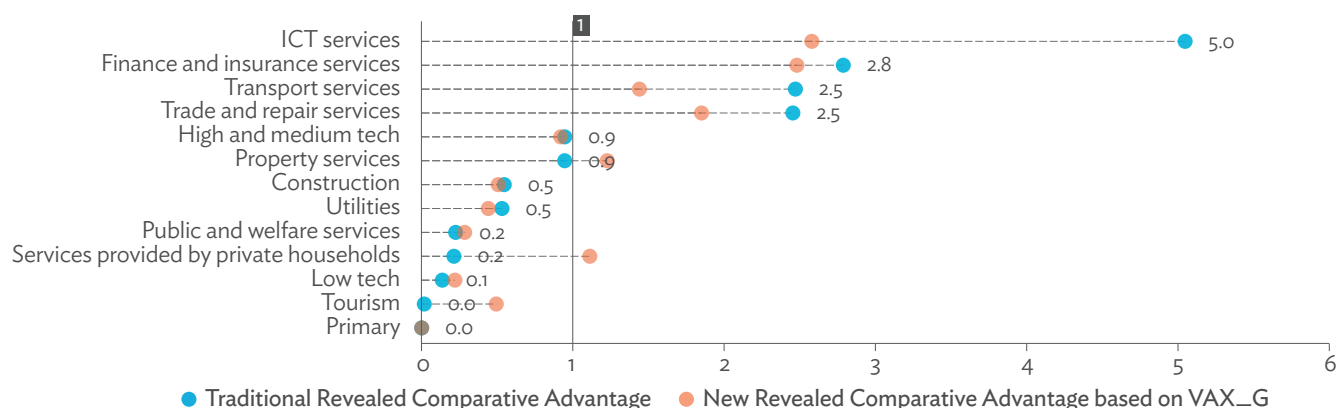


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 8.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 8.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Final demand | | | | | | | | |
| Primary | 80 | 103 | 116 | 89 | 109 | 79 | 71 | 123 |
| Low tech | 33,663 | 38,332 | 41,513 | 43,038 | 45,015 | 43,983 | 42,969 | 43,232 |
| High and medium tech | 147,129 | 188,400 | 192,568 | 174,972 | 180,763 | 169,036 | 162,078 | 178,888 |
| Business service | 190,813 | 234,687 | 247,789 | 272,228 | 280,040 | 260,534 | 258,064 | 274,603 |
| Personal service | 41,261 | 48,614 | 48,215 | 53,285 | 54,284 | 55,320 | 58,169 | 61,243 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 77 | 65 | 63 | 82 | 90 | 93 | 97 | 46 |
| Low tech | 25,020 | 27,115 | 32,508 | 34,557 | 37,914 | 37,172 | 36,563 | 31,376 |
| High and medium tech | 25,868 | 27,490 | 25,802 | 31,630 | 30,527 | 36,064 | 39,374 | 37,593 |
| Business service | 58,678 | 65,252 | 75,119 | 74,968 | 81,306 | 87,885 | 88,230 | 94,179 |
| Personal service | 6,044 | 7,434 | 7,650 | 8,183 | 9,115 | 8,444 | 9,168 | 9,620 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 8.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 11,836 | 14,079 | 12,950 | 13,286 | 13,037 | 12,065 | 11,590 | 11,954 |
| Low tech | 112,129 | 150,394 | 131,350 | 131,222 | 129,361 | 124,489 | 124,693 | 132,734 |
| High and medium tech | 162,464 | 204,595 | 209,056 | 226,097 | 235,348 | 226,762 | 234,010 | 249,761 |
| Business service | 1,910 | 2,439 | 2,624 | 2,799 | 2,720 | 2,423 | 2,639 | 2,799 |
| Personal service | 3,003 | 2,175 | 2,117 | 2,162 | 2,295 | 1,955 | 1,857 | 3,027 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 0.28 | 0.33 | 0.30 | 0.34 | 0.31 | 0.28 | 0.24 | 0.17 |
| Low tech | 63.35 | 85.18 | 82.88 | 85.27 | 81.62 | 75.32 | 73.06 | 71.42 |
| High and medium tech | 775.51 | 1,232.43 | 1,087.26 | 1,071.47 | 1,032.04 | 973.48 | 945.68 | 1,016.49 |
| Business service | 1,077.82 | 1,332.92 | 1,723.59 | 2,021.71 | 2,298.17 | 2,168.42 | 2,010.96 | 2,222.53 |
| Personal service | 9.77 | 14.08 | 16.66 | 17.38 | 17.74 | 15.41 | 16.62 | 17.40 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 8.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.5432 | 0.5455 | 0.5625 | 0.4673 | 0.4841 | 0.5192 | 0.5534 | 0.5321 |
| Mining and quarrying | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Food, beverages, and tobacco | 0.5943 | 0.3776 | 0.5713 | 0.6381 | 0.6747 | 0.7231 | 0.7663 | 0.7259 |
| Textiles and textile products | 0.4499 | 0.1963 | 0.2977 | 0.2621 | 0.2073 | 0.3406 | 0.3859 | 0.3578 |
| Leather, leather products, and footwear | 0.4363 | 0.3791 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 0.5202 | 0.1947 | 0.3427 | 0.3876 | 0.4099 | 0.5901 | 0.6556 | 0.6156 |
| Pulp, paper, paper products, printing, and publishing | 0.4377 | 0.3736 | 0.3927 | 0.4105 | 0.4352 | 0.4589 | 0.4863 | 0.4701 |
| Coke, refined petroleum, and nuclear fuel | 0.4320 | 0.6047 | 0.3503 | 0.4350 | 0.4635 | 0.5634 | 0.6486 | 0.6005 |
| Chemicals and chemical products | 0.2112 | 0.2079 | 0.1774 | 0.2592 | 0.2561 | 0.2993 | 0.3423 | 0.3212 |
| Rubber and plastics | 0.6837 | 0.7383 | 0.6465 | 0.5767 | 0.6786 | 0.7312 | 0.7763 | 0.7503 |
| Other nonmetallic minerals | 0.6791 | 0.5871 | 0.4281 | 0.5973 | 0.6068 | 0.6724 | 0.7331 | 0.6797 |
| Basic metals and fabricated metal | 0.3657 | 0.3125 | 0.3381 | 0.3744 | 0.3651 | 0.4302 | 0.4839 | 0.4502 |
| Machinery, nec | 0.4720 | 0.5707 | 0.6571 | 0.6075 | 0.5918 | 0.6355 | 0.6932 | 0.6606 |
| Electrical and optical equipment | 0.4360 | 0.3359 | 0.2777 | 0.2974 | 0.3305 | 0.3975 | 0.4592 | 0.4242 |
| Transport equipment | 0.4479 | 0.2298 | 0.4483 | 0.4740 | 0.5152 | 0.5761 | 0.6314 | 0.5913 |
| Manufacturing, nec; recycling | 0.5041 | 0.3618 | 0.3373 | 0.3878 | 0.2815 | 0.3504 | 0.4041 | 0.3699 |
| Electricity, gas, and water supply | 0.5332 | 0.3782 | 0.4131 | 0.4194 | 0.3997 | 0.4567 | 0.5094 | 0.4789 |
| Construction | 1.0919 | 1.0719 | 1.1470 | 1.1647 | 1.2030 | 1.2405 | 1.2848 | 1.2157 |
| Sale, maintenance, and repair | 0.4484 | 0.3274 | 0.4659 | 0.4707 | 0.4971 | 0.5425 | 0.5698 | 0.5493 |
| Wholesale trade and commission trade | 0.3597 | 0.3136 | 0.3796 | 0.3857 | 0.3580 | 0.4002 | 0.4386 | 0.4152 |
| Retail trade | 0.6891 | 0.6549 | 0.7133 | 0.7046 | 0.7201 | 0.7743 | 0.7283 | 0.7216 |
| Hotels and restaurants | 0.5975 | 0.5257 | 0.5795 | 0.5977 | 0.5973 | 0.6472 | 0.6455 | 0.6234 |
| Inland transport | 0.6527 | 0.5360 | 0.6219 | 0.5680 | 0.6136 | 0.6294 | 0.6549 | 0.6419 |
| Water transport | 0.3981 | 0.2569 | 0.3884 | 0.4490 | 0.2936 | 0.3753 | 0.4449 | 0.4021 |
| Air transport | 0.4981 | 0.4283 | 0.4411 | 0.5019 | 0.4986 | 0.5646 | 0.6154 | 0.5823 |
| Other supporting and auxiliary transport activities | 0.6045 | 0.5895 | 0.4367 | 0.4378 | 0.4060 | 0.4423 | 0.4706 | 0.4514 |
| Post and telecommunications | 0.6799 | 0.7735 | 0.4491 | 0.4064 | 0.4907 | 0.5454 | 0.5938 | 0.5645 |
| Financial intermediation | 0.4236 | 0.3509 | 0.4170 | 0.4027 | 0.3714 | 0.4035 | 0.4449 | 0.4269 |
| Real estate activities | 0.5257 | 0.2945 | 0.5098 | 0.4868 | 0.4977 | 0.7909 | 0.4986 | 0.5338 |
| Renting of M&Eq and other business activities | 0.4478 | 0.6475 | 0.4655 | 0.4505 | 0.4330 | 0.3985 | 0.4954 | 0.4767 |
| Public administration and defense; compulsory social security | 0.7676 | 0.7668 | 0.7855 | 0.7357 | 0.8003 | 0.8336 | 0.8688 | 0.8465 |
| Education | 0.2887 | 0.2977 | 0.3098 | 0.3051 | 0.3086 | 0.3231 | 0.3337 | 0.3267 |
| Health and social work | 0.5384 | 0.5306 | 0.5415 | 0.5629 | 0.5411 | 0.5566 | 0.5735 | 0.5660 |
| Other community, social, and personal services | 0.5051 | 0.4817 | 0.4410 | 0.4434 | 0.4742 | 0.4899 | 0.5064 | 0.4955 |
| Private households with employed persons | 0.0028 | 0.1868 | 0.2783 | 0.2712 | 0.2611 | 0.2632 | 0.2626 | 0.2582 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 8.3.4: Net Interregional Multipliers (M₂), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.7784 | 0.7685 | 0.7325 | 0.7769 | 0.8430 | 0.8073 | 0.7757 | 0.8115 |
| Mining and quarrying | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Food, beverages, and tobacco | 1.3705 | 1.3955 | 1.0628 | 1.0788 | 0.9927 | 0.9519 | 0.9115 | 0.9439 |
| Textiles and textile products | 1.7269 | 1.8225 | 1.5916 | 1.5610 | 1.4661 | 1.3231 | 1.2643 | 1.3130 |
| Leather, leather products, and footwear | 1.0784 | 1.0209 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 1.2308 | 1.7390 | 1.5862 | 1.5926 | 1.5680 | 1.8776 | 1.8040 | 1.8622 |
| Pulp, paper, paper products, printing, and publishing | 1.0331 | 1.0334 | 0.8757 | 0.8702 | 0.8421 | 0.7972 | 0.7673 | 0.7997 |
| Coke, refined petroleum, and nuclear fuel | 2.1842 | 2.2688 | 2.3858 | 2.4847 | 2.3411 | 2.3245 | 2.2999 | 2.3589 |
| Chemicals and chemical products | 1.1437 | 1.0966 | 1.0686 | 1.1100 | 1.0727 | 1.0195 | 0.9842 | 1.0153 |
| Rubber and plastics | 1.0580 | 1.0830 | 1.1632 | 1.3950 | 1.2388 | 1.2124 | 1.1957 | 1.2615 |
| Other nonmetallic minerals | 1.2387 | 1.3502 | 1.4886 | 1.6011 | 1.5955 | 1.5427 | 1.4868 | 1.5013 |
| Basic metals and fabricated metal | 1.6251 | 1.6826 | 1.6595 | 1.6389 | 1.6848 | 1.6123 | 1.5611 | 1.6215 |
| Machinery, nec | 1.3672 | 1.3644 | 1.3372 | 1.2155 | 1.2719 | 1.2016 | 1.1716 | 1.2032 |
| Electrical and optical equipment | 1.5547 | 1.6926 | 1.7857 | 1.7581 | 1.7143 | 1.6529 | 1.6037 | 1.6361 |
| Transport equipment | 1.2472 | 1.6290 | 1.4722 | 1.5062 | 1.5001 | 1.4491 | 1.4048 | 1.4125 |
| Manufacturing, nec; recycling | 1.4622 | 1.5831 | 1.5864 | 1.4704 | 1.5779 | 1.5273 | 1.4719 | 1.5144 |
| Electricity, gas, and water supply | 1.2313 | 1.4221 | 1.4290 | 1.3897 | 1.3816 | 1.3216 | 1.2711 | 1.3066 |
| Construction | 0.9666 | 1.0515 | 1.0232 | 1.0837 | 1.0121 | 0.9702 | 0.9403 | 0.9943 |
| Sale, maintenance, and repair | 1.3232 | 1.0199 | 1.0609 | 1.1276 | 1.0035 | 0.9923 | 0.9605 | 0.9932 |
| Wholesale trade and commission trade | 0.7297 | 0.8060 | 0.7941 | 0.8033 | 0.9299 | 0.8975 | 0.8598 | 0.8822 |
| Retail trade | 0.3327 | 0.3351 | 0.3486 | 0.3568 | 0.3526 | 0.4033 | 0.3775 | 0.4019 |
| Hotels and restaurants | 0.7841 | 0.7930 | 0.7277 | 0.7341 | 0.7196 | 0.7163 | 0.6737 | 0.7086 |
| Inland transport | 0.5170 | 0.4876 | 0.5827 | 0.6311 | 0.5626 | 0.5344 | 0.5325 | 0.5648 |
| Water transport | 1.6474 | 1.8523 | 1.7789 | 1.7495 | 1.7957 | 1.7527 | 1.6973 | 1.7376 |
| Air transport | 1.3101 | 1.5214 | 1.4732 | 1.4676 | 1.3973 | 1.3681 | 1.3255 | 1.3736 |
| Other supporting and auxiliary transport activities | 0.5853 | 0.6032 | 0.6996 | 0.7628 | 0.7403 | 0.7222 | 0.6992 | 0.7200 |
| Post and telecommunications | 0.7402 | 0.8136 | 1.0529 | 1.1051 | 1.0698 | 1.0319 | 0.9828 | 1.0160 |
| Financial intermediation | 0.5176 | 0.6148 | 0.5649 | 0.5633 | 0.5696 | 0.5419 | 0.5438 | 0.5524 |
| Real estate activities | 0.2316 | 0.1558 | 0.2551 | 0.2597 | 0.2498 | 0.3675 | 0.2285 | 0.2556 |
| Renting of M&Eq and other business activities | 0.7246 | 0.7868 | 0.6743 | 0.7156 | 0.7186 | 0.5888 | 0.6619 | 0.6835 |
| Public administration and defense; compulsory social security | 0.9414 | 0.9496 | 0.9004 | 0.9942 | 0.8716 | 0.8431 | 0.8168 | 0.8356 |
| Education | 0.2266 | 0.2582 | 0.2703 | 0.2740 | 0.2830 | 0.2811 | 0.2732 | 0.2806 |
| Health and social work | 0.4436 | 0.4599 | 0.4434 | 0.4910 | 0.4454 | 0.4449 | 0.4341 | 0.4444 |
| Other community, social, and personal services | 0.3929 | 0.3968 | 0.3852 | 0.3929 | 0.3921 | 0.3773 | 0.3706 | 0.3822 |
| Private households with employed persons | 0.0009 | 0.1339 | 0.2151 | 0.2138 | 0.2306 | 0.2252 | 0.2177 | 0.2301 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 8.3.5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0040 | 0.0045 | 0.0046 | 0.0045 | 0.0052 | 0.0050 | 0.0047 | 0.0052 |
| Mining and quarrying | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Food, beverages, and tobacco | 0.0058 | 0.0066 | 0.0060 | 0.0059 | 0.0066 | 0.0065 | 0.0059 | 0.0068 |
| Textiles and textile products | 0.0082 | 0.0093 | 0.0089 | 0.0082 | 0.0078 | 0.0078 | 0.0075 | 0.0080 |
| Leather, leather products, and footwear | 0.0042 | 0.0044 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Wood and products of wood and cork | 0.0067 | 0.0101 | 0.0100 | 0.0098 | 0.0109 | 0.0134 | 0.0124 | 0.0133 |
| Pulp, paper, paper products, printing, and publishing | 0.0053 | 0.0060 | 0.0059 | 0.0058 | 0.0064 | 0.0062 | 0.0057 | 0.0063 |
| Coke, refined petroleum, and nuclear fuel | 0.0168 | 0.0198 | 0.0192 | 0.0192 | 0.0191 | 0.0195 | 0.0196 | 0.0199 |
| Chemicals and chemical products | 0.0049 | 0.0054 | 0.0052 | 0.0058 | 0.0058 | 0.0055 | 0.0053 | 0.0056 |
| Rubber and plastics | 0.0071 | 0.0082 | 0.0087 | 0.0100 | 0.0096 | 0.0097 | 0.0094 | 0.0099 |
| Other nonmetallic minerals | 0.0057 | 0.0071 | 0.0084 | 0.0094 | 0.0106 | 0.0107 | 0.0102 | 0.0105 |
| Basic metals and fabricated metal | 0.0067 | 0.0076 | 0.0075 | 0.0078 | 0.0085 | 0.0086 | 0.0082 | 0.0084 |
| Machinery, nec | 0.0077 | 0.0095 | 0.0100 | 0.0088 | 0.0091 | 0.0085 | 0.0080 | 0.0085 |
| Electrical and optical equipment | 0.0128 | 0.0159 | 0.0157 | 0.0150 | 0.0142 | 0.0131 | 0.0129 | 0.0130 |
| Transport equipment | 0.0064 | 0.0093 | 0.0084 | 0.0087 | 0.0089 | 0.0084 | 0.0079 | 0.0084 |
| Manufacturing, nec; recycling | 0.0074 | 0.0089 | 0.0088 | 0.0081 | 0.0088 | 0.0087 | 0.0083 | 0.0087 |
| Electricity, gas, and water supply | 0.0065 | 0.0067 | 0.0065 | 0.0058 | 0.0058 | 0.0056 | 0.0053 | 0.0057 |
| Construction | 0.0053 | 0.0064 | 0.0062 | 0.0067 | 0.0065 | 0.0064 | 0.0059 | 0.0065 |
| Sale, maintenance, and repair | 0.0083 | 0.0073 | 0.0074 | 0.0080 | 0.0071 | 0.0069 | 0.0066 | 0.0070 |
| Wholesale trade and commission trade | 0.0121 | 0.0120 | 0.0149 | 0.0173 | 0.0217 | 0.0207 | 0.0182 | 0.0191 |
| Retail trade | 0.0024 | 0.0024 | 0.0028 | 0.0029 | 0.0032 | 0.0039 | 0.0034 | 0.0039 |
| Hotels and restaurants | 0.0035 | 0.0039 | 0.0038 | 0.0039 | 0.0041 | 0.0042 | 0.0039 | 0.0043 |
| Inland transport | 0.0039 | 0.0040 | 0.0048 | 0.0052 | 0.0051 | 0.0050 | 0.0047 | 0.0051 |
| Water transport | 0.0269 | 0.0293 | 0.0411 | 0.0458 | 0.0486 | 0.0471 | 0.0428 | 0.0443 |
| Air transport | 0.0092 | 0.0123 | 0.0112 | 0.0108 | 0.0107 | 0.0104 | 0.0101 | 0.0107 |
| Other supporting and auxiliary transport activities | 0.0060 | 0.0055 | 0.0054 | 0.0062 | 0.0064 | 0.0065 | 0.0060 | 0.0063 |
| Post and telecommunications | 0.0050 | 0.0065 | 0.0079 | 0.0085 | 0.0082 | 0.0077 | 0.0069 | 0.0075 |
| Financial intermediation | 0.0024 | 0.0034 | 0.0032 | 0.0033 | 0.0035 | 0.0033 | 0.0031 | 0.0033 |
| Real estate activities | 0.0012 | 0.0009 | 0.0016 | 0.0016 | 0.0016 | 0.0024 | 0.0014 | 0.0017 |
| Renting of M&Eq and other business activities | 0.0038 | 0.0048 | 0.0042 | 0.0045 | 0.0046 | 0.0038 | 0.0041 | 0.0043 |
| Public administration and defense; compulsory social security | 0.0055 | 0.0063 | 0.0057 | 0.0063 | 0.0056 | 0.0054 | 0.0051 | 0.0053 |
| Education | 0.0014 | 0.0018 | 0.0019 | 0.0019 | 0.0020 | 0.0020 | 0.0019 | 0.0020 |
| Health and social work | 0.0026 | 0.0031 | 0.0031 | 0.0034 | 0.0032 | 0.0032 | 0.0031 | 0.0032 |
| Other community, social, and personal services | 0.0022 | 0.0025 | 0.0025 | 0.0025 | 0.0026 | 0.0025 | 0.0024 | 0.0025 |
| Private households with employed persons | 0.0000 | 0.0009 | 0.0014 | 0.0014 | 0.0015 | 0.0015 | 0.0014 | 0.0016 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 8.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 60 | 40 | 81 | 55 | 80 | 56 | 73 | 50 | 63 | 41 | 52 | 35 | 35 | 24 | 46 | 31 |
| Low tech | 6,710 | 3,257 | 8,314 | 3,890 | 7,766 | 3,999 | 7,644 | 3,926 | 8,133 | 4,333 | 7,432 | 4,099 | 6,301 | 3,482 | 7,763 | 4,287 |
| High and medium tech | 139,236 | 47,870 | 186,167 | 57,617 | 179,487 | 55,343 | 165,823 | 51,837 | 170,008 | 55,761 | 156,861 | 55,539 | 148,231 | 54,451 | 163,847 | 58,250 |
| Utilities | 899 | 453 | 1,146 | 498 | 1,050 | 459 | 1,075 | 493 | 1,170 | 538 | 1,058 | 515 | 1,011 | 507 | 1,011 | 495 |
| Construction | 876 | 547 | 1,543 | 924 | 1,818 | 1,113 | 1,967 | 1,173 | 1,398 | 868 | 1,267 | 809 | 1,066 | 690 | 1,077 | 678 |
| Trade and repair services | 58,024 | 38,763 | 72,489 | 46,614 | 74,537 | 48,142 | 81,409 | 52,210 | 77,313 | 45,391 | 66,223 | 39,928 | 70,808 | 43,646 | 74,012 | 44,887 |
| Tourism | 43 | 29 | 59 | 40 | 58 | 40 | 64 | 45 | 85 | 60 | 74 | 52 | 84 | 60 | 74 | 52 |
| Transport services | 39,111 | 14,528 | 41,711 | 13,174 | 47,511 | 15,277 | 50,437 | 16,370 | 54,527 | 16,414 | 52,861 | 17,054 | 47,909 | 16,487 | 52,034 | 16,937 |
| ICT services | 1,822 | 1,181 | 5,313 | 3,292 | 12,529 | 6,171 | 13,475 | 6,378 | 16,533 | 8,083 | 13,588 | 6,938 | 10,411 | 5,439 | 14,823 | 7,620 |
| Finance and insurance services | 18,754 | 13,558 | 25,337 | 17,057 | 24,350 | 17,082 | 28,843 | 20,353 | 31,208 | 21,911 | 29,141 | 20,887 | 29,316 | 20,965 | 32,803 | 23,274 |
| Property services | 17,639 | 11,580 | 25,578 | 16,459 | 15,654 | 10,934 | 20,297 | 13,761 | 20,722 | 13,968 | 24,570 | 17,967 | 28,473 | 19,813 | 27,177 | 18,645 |
| Public and welfare services | 1,001 | 799 | 1,190 | 940 | 1,476 | 1,175 | 1,752 | 1,377 | 1,578 | 1,264 | 1,477 | 1,189 | 1,443 | 1,160 | 1,613 | 1,297 |
| Services provided by private households | 2 | 2 | 21 | 20 | 39 | 36 | 26 | 24 | 21 | 19 | 20 | 18 | 20 | 18 | 21 | 19 |

\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 8.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.001 | 0.001 |
| Low tech | 0.164 | 0.266 | 0.159 | 0.271 | 0.150 | 0.244 | 0.141 | 0.239 | 0.143 | 0.244 | 0.140 | 0.233 | 0.122 | 0.212 | 0.138 | 0.221 |
| High and medium tech | 1.047 | 1.051 | 1.079 | 1.045 | 1.056 | 1.008 | 0.966 | 0.935 | 0.965 | 0.950 | 0.954 | 0.954 | 0.938 | 0.927 | 0.947 | 0.920 |
| Utilities | 0.707 | 0.555 | 0.695 | 0.542 | 0.629 | 0.534 | 0.623 | 0.489 | 0.651 | 0.523 | 0.614 | 0.479 | 0.484 | 0.467 | 0.532 | 0.441 |
| Construction | 0.785 | 0.641 | 1.090 | 0.807 | 1.223 | 0.868 | 0.980 | 0.829 | 0.710 | 0.721 | 0.671 | 0.675 | 0.504 | 0.596 | 0.547 | 0.507 |
| Trade and repair services | 2.609 | 2.217 | 2.541 | 2.296 | 2.554 | 2.253 | 2.788 | 2.222 | 2.571 | 1.977 | 2.328 | 1.739 | 2.542 | 1.834 | 2.455 | 1.851 |
| Tourism | 0.014 | 0.501 | 0.015 | 0.323 | 0.015 | 0.565 | 0.016 | 0.601 | 0.021 | 0.583 | 0.019 | 0.479 | 0.020 | 0.495 | 0.018 | 0.494 |
| Transport services | 2.308 | 1.643 | 2.027 | 1.383 | 2.292 | 1.417 | 2.445 | 1.428 | 2.558 | 1.524 | 2.635 | 1.536 | 2.487 | 1.429 | 2.471 | 1.440 |
| ICT services | 0.956 | 1.037 | 2.288 | 2.512 | 4.944 | 3.243 | 5.267 | 3.431 | 6.222 | 3.669 | 5.453 | 3.055 | 4.095 | 2.760 | 5.047 | 2.580 |
| Finance and insurance services | 2.143 | 2.027 | 2.359 | 2.172 | 2.296 | 2.228 | 2.580 | 2.416 | 2.673 | 2.478 | 2.630 | 2.289 | 2.614 | 2.259 | 2.788 | 2.481 |
| Property services | 0.949 | 1.062 | 1.083 | 1.070 | 0.669 | 1.002 | 0.802 | 1.038 | 0.767 | 1.049 | 0.941 | 1.282 | 1.089 | 1.324 | 0.947 | 1.228 |
| Public and welfare services | 0.189 | 0.261 | 0.185 | 0.286 | 0.224 | 0.308 | 0.245 | 0.296 | 0.217 | 0.297 | 0.209 | 0.259 | 0.197 | 0.266 | 0.226 | 0.285 |
| Services provided by private households | 0.015 | 0.022 | 0.121 | 0.435 | 0.186 | 0.625 | 0.170 | 0.997 | 0.168 | 0.940 | 0.183 | 0.881 | 0.207 | 1.083 | 0.214 | 1.113 |

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

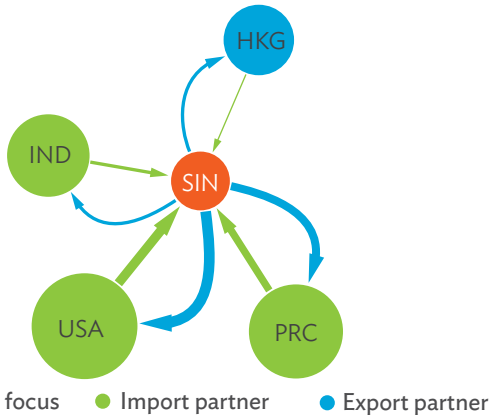
Source: Asian Development Bank Multi-Regional Input-Output Database.

8.4

GLOBAL VALUE CHAIN INDICATORS

Singapore

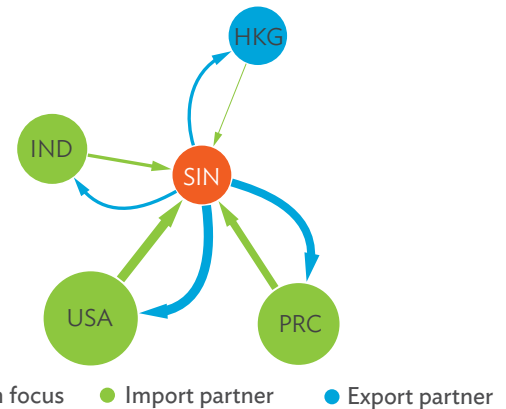
Figure 8.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



HKG = Hong Kong, China; IND = India; PRC = People's Republic of China; SIN = Singapore; USA = United States.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 8.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



HKG = Hong Kong, China; IND = India; PRC = People's Republic of China; SIN = Singapore; USA = United States.
 Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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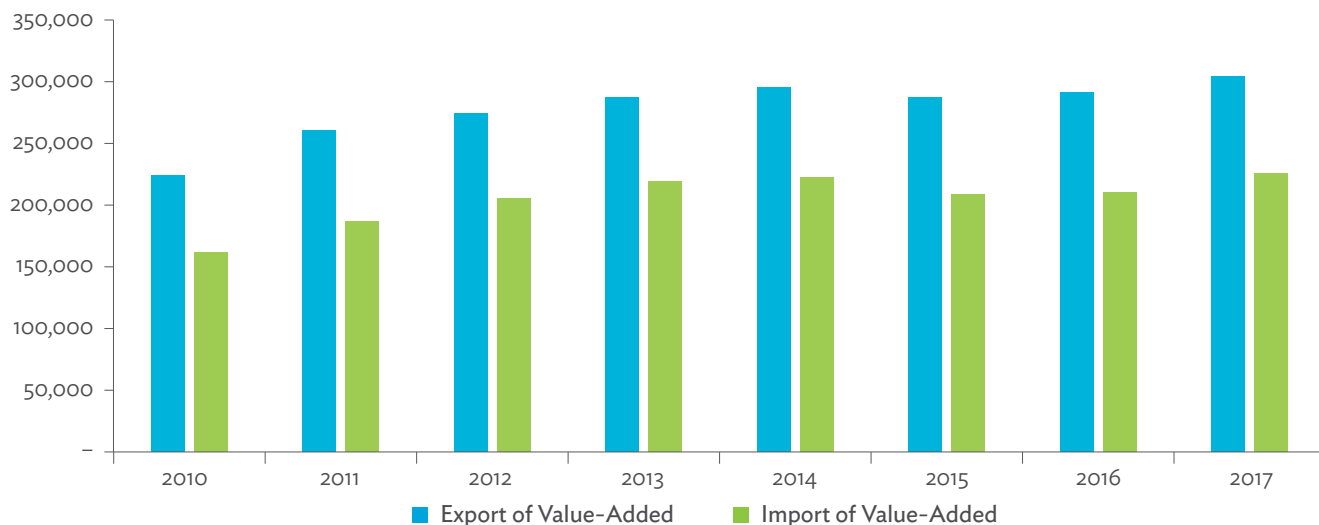
Figure 8.4.2: Trade in Value-Added by Industry, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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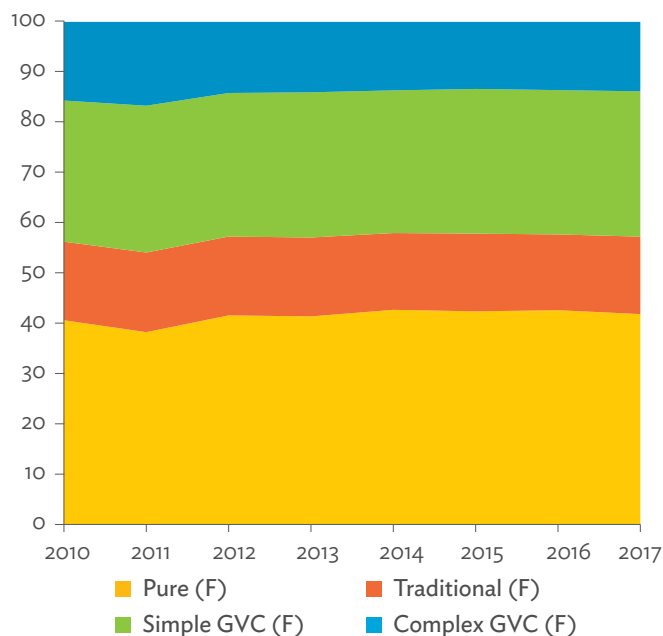
Figure 8.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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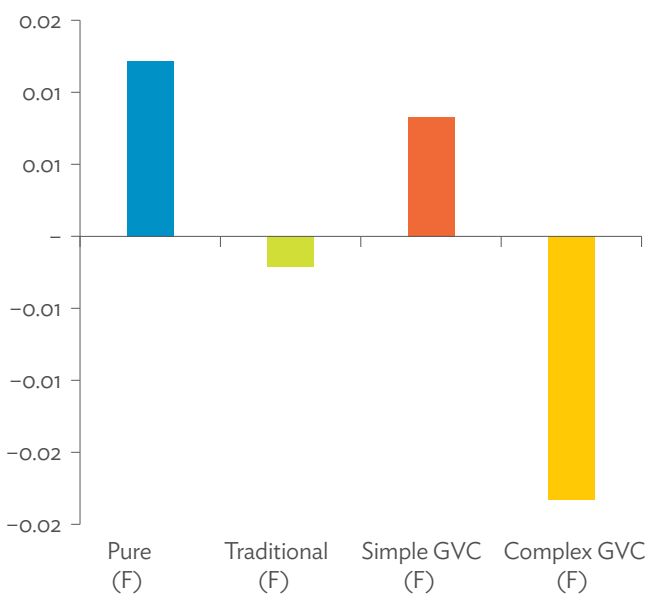
Figure 8.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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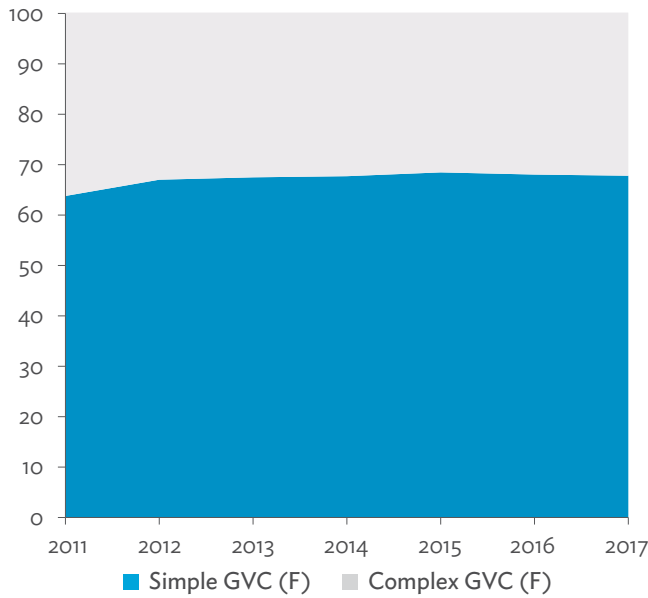
Figure 8.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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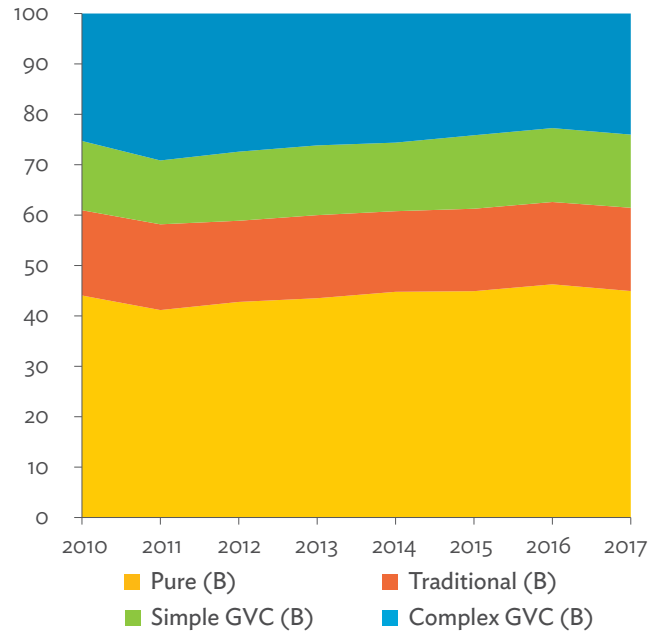
Figure 8.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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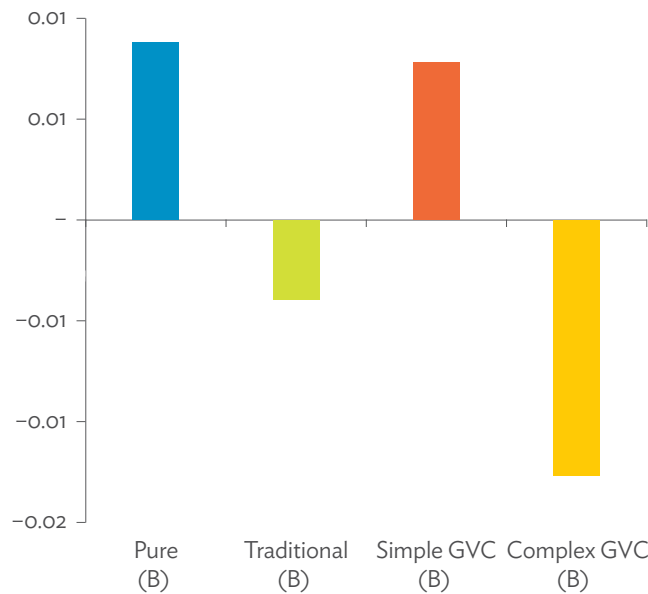
Figure 8.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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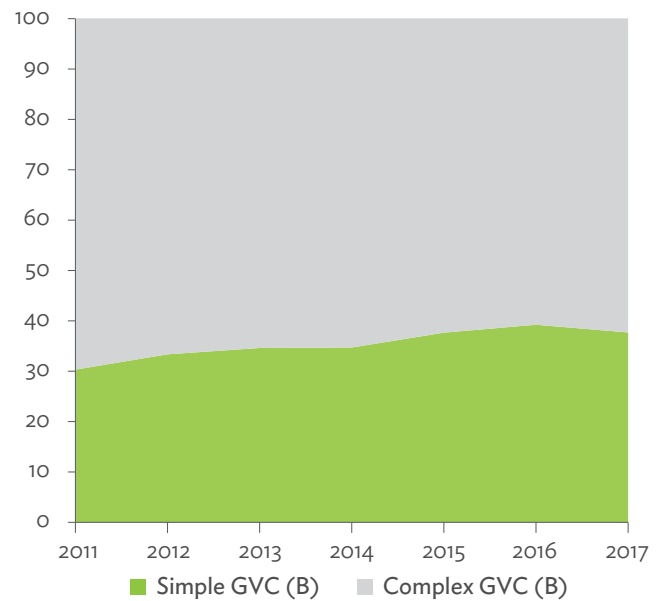
Figure 8.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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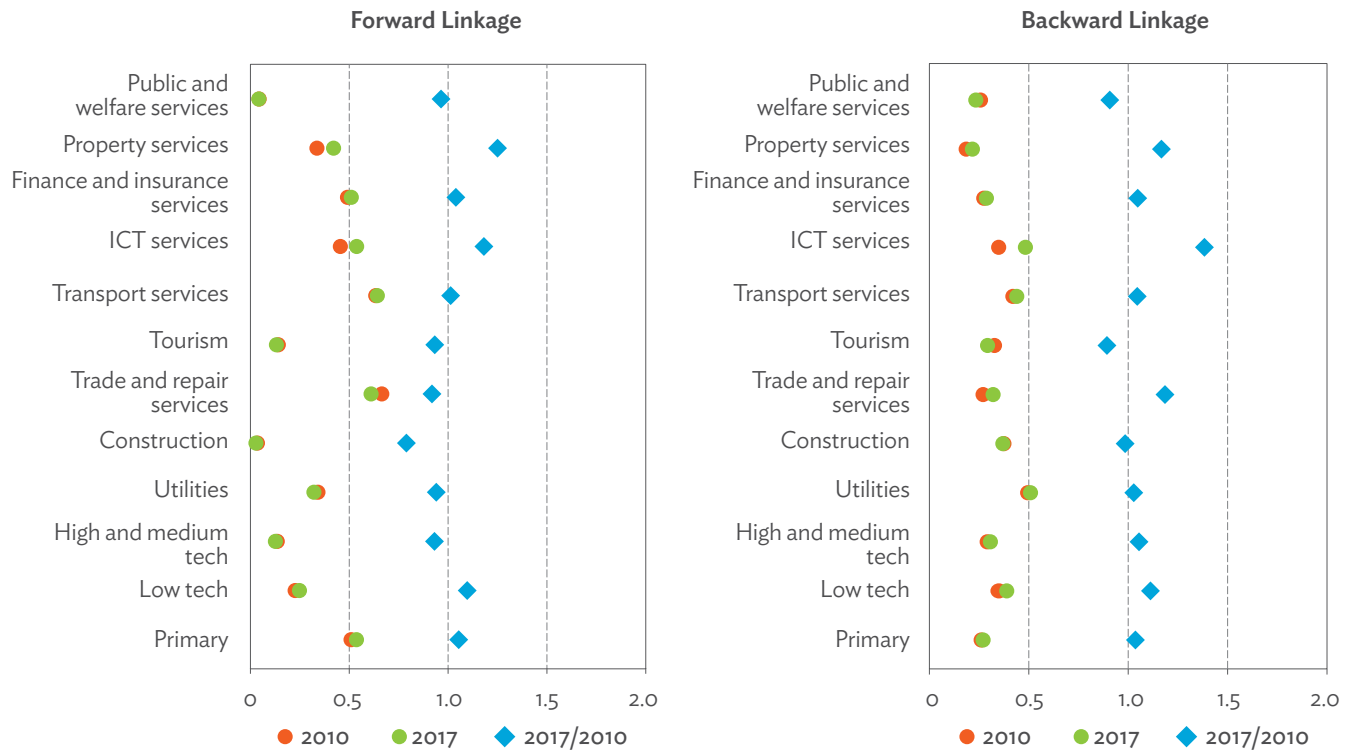
Figure 8.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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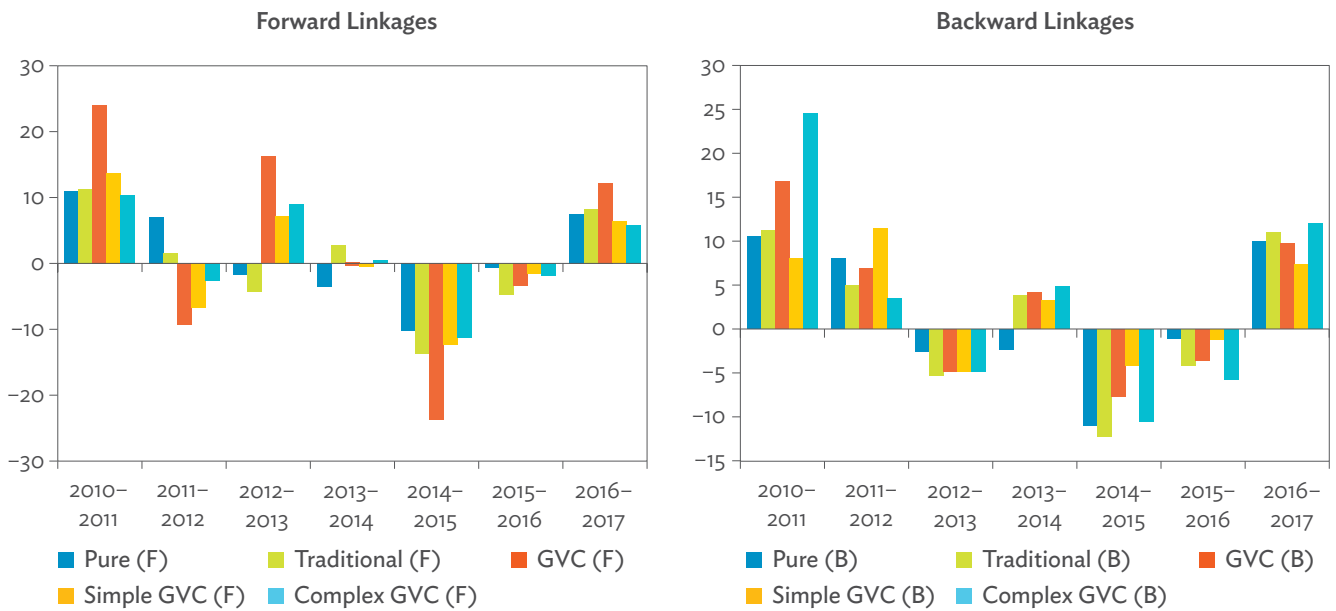
Figure 8.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 8.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

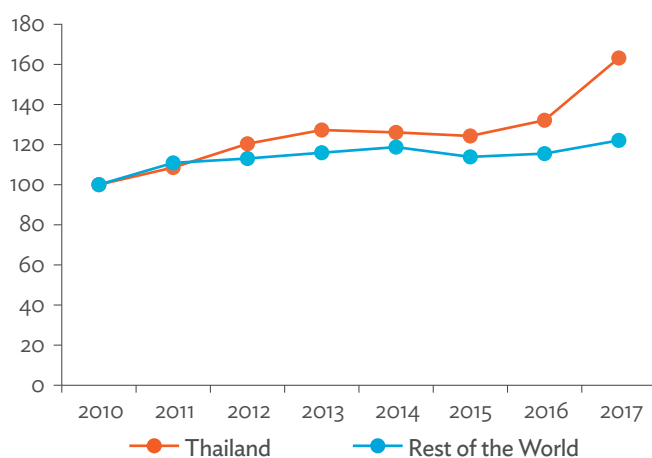
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9.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Thailand

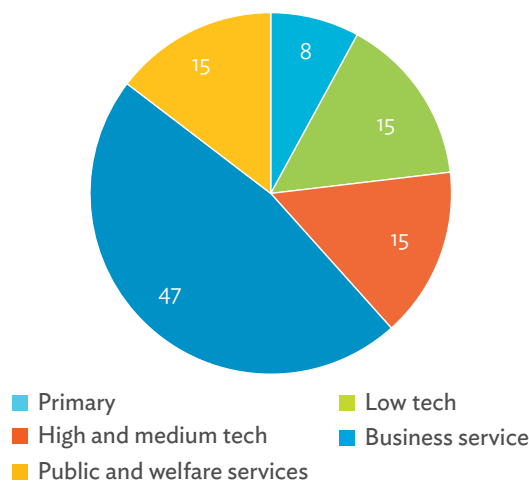
Figure 9.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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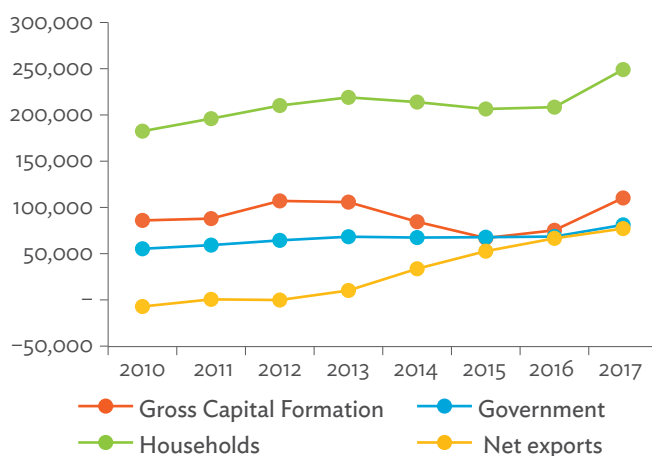
Figure 9.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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Figure 9.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)

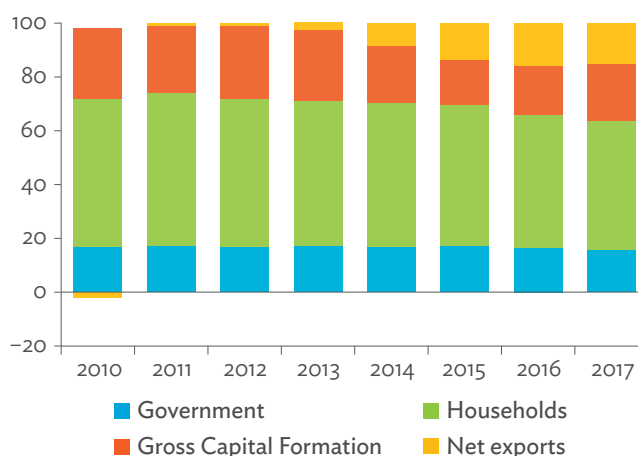


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input–Output Database.

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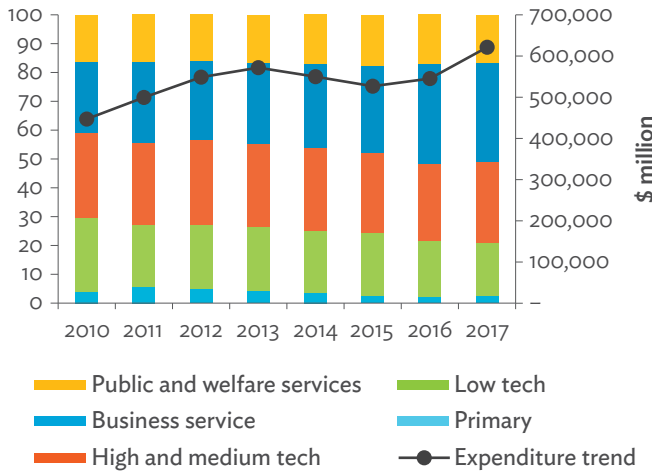
Figure 9.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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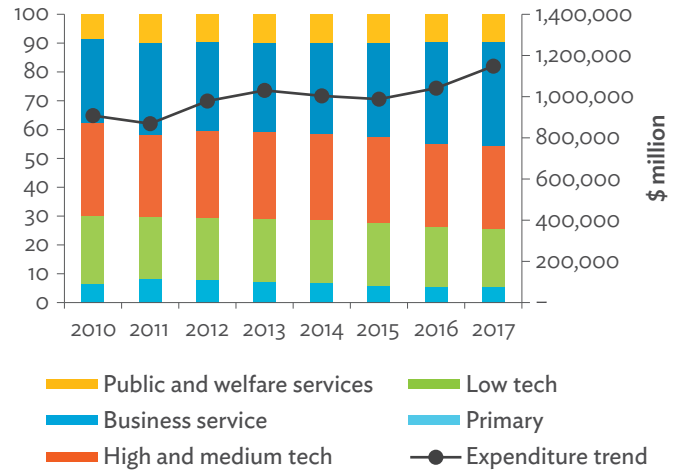
Figure 9.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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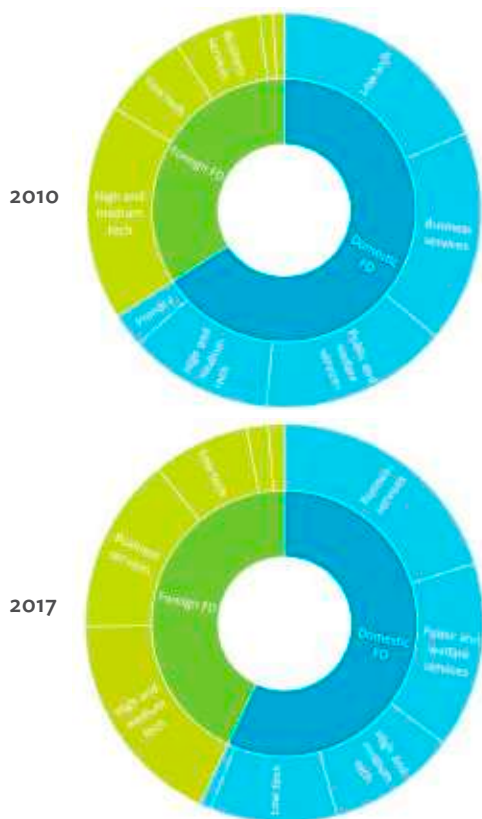
Figure 9.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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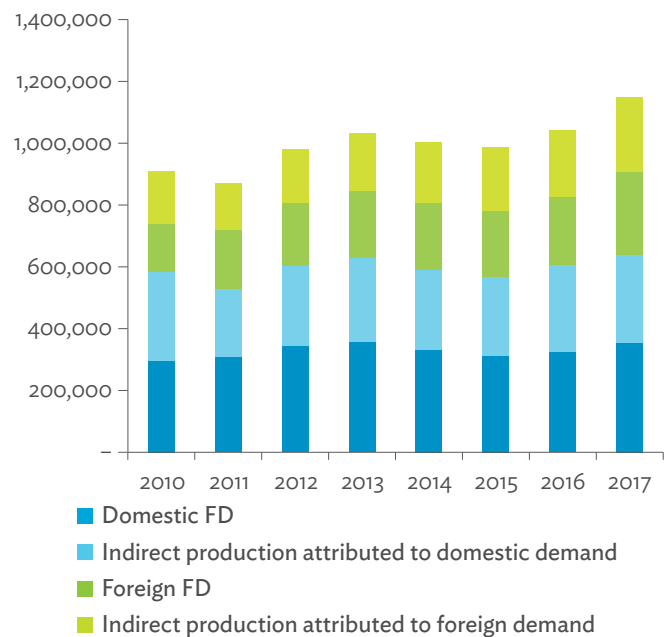
Figure 9.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

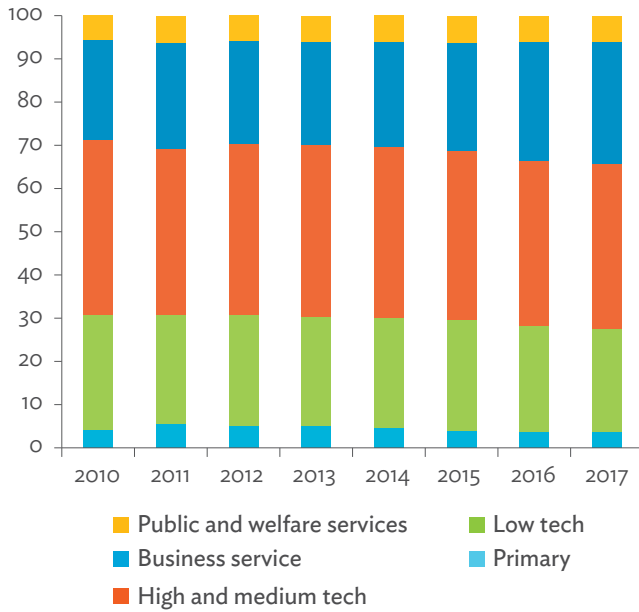
Figure 9.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

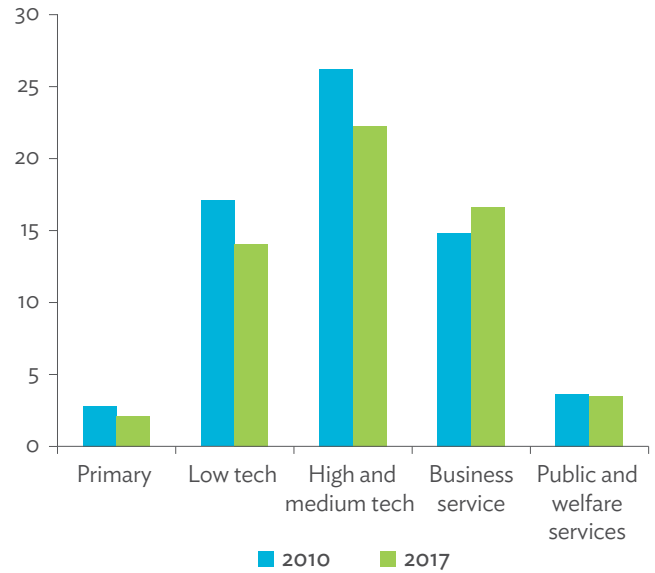
Figure 9.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

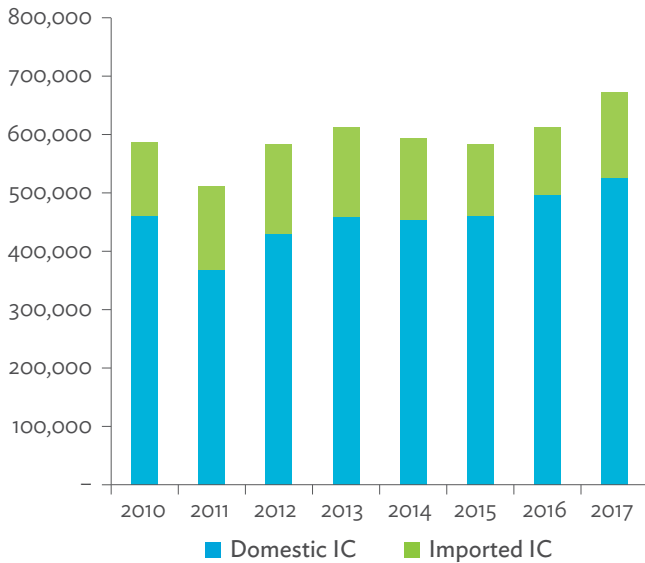
Figure 9.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 9.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

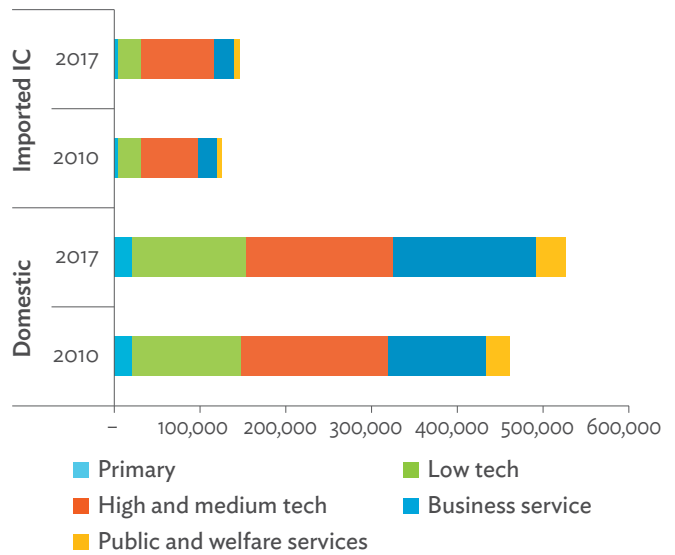


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

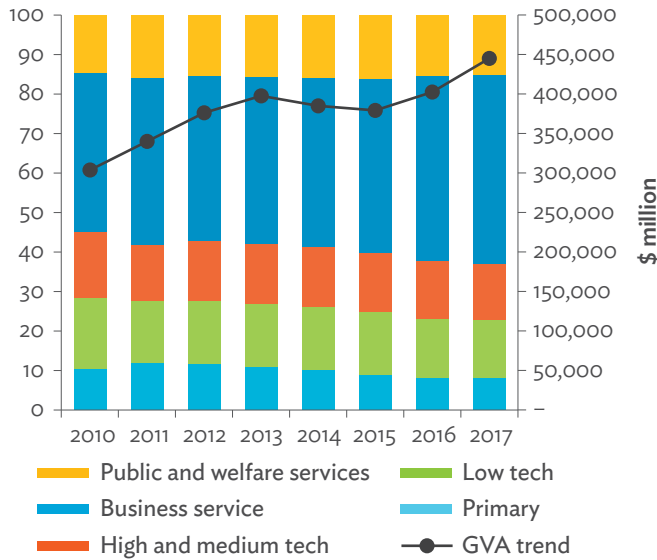


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

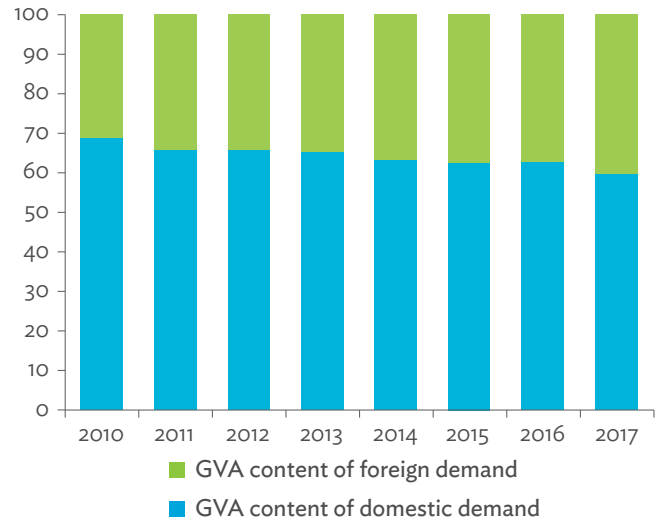
Figure 9.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

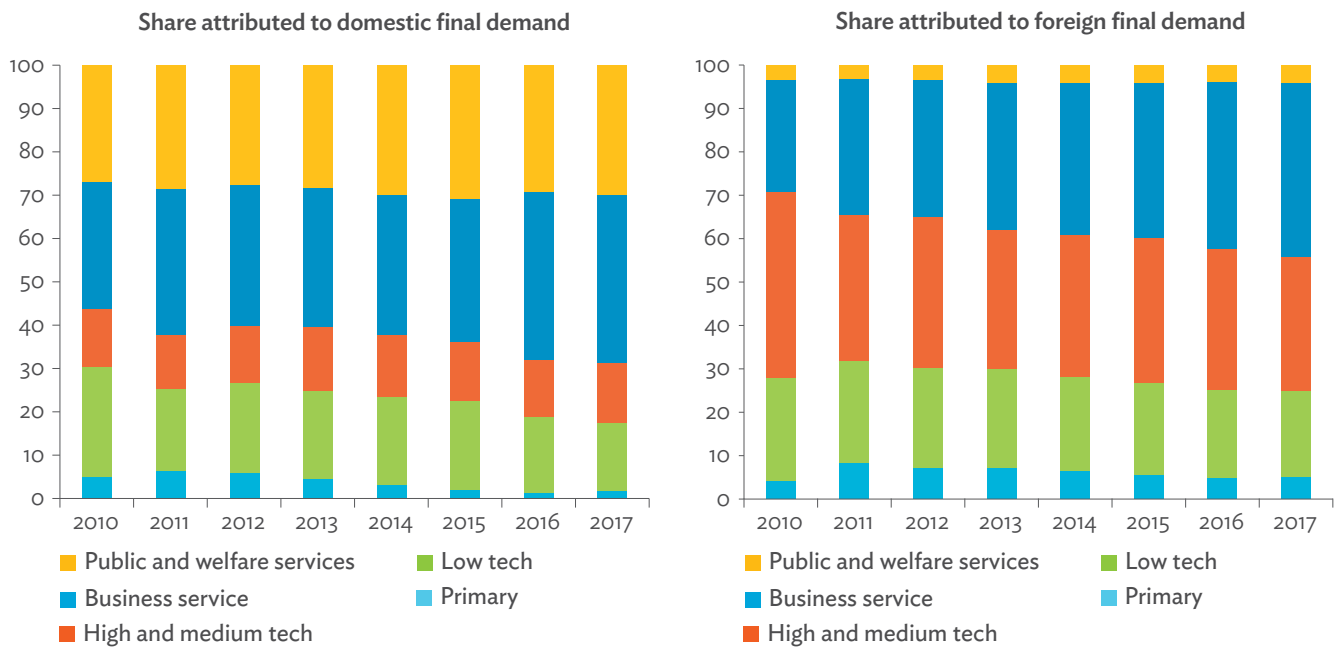
Figure 9.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 9.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 9.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.849 | 0.857 | 0.857 | 0.859 | 0.855 | 0.857 | 0.864 | 0.862 |
| Mining and quarrying | 0.652 | 0.637 | 0.645 | 0.650 | 0.648 | 0.662 | 0.682 | 0.668 |
| Food, beverages, and tobacco | 0.683 | 0.712 | 0.723 | 0.729 | 0.727 | 0.736 | 0.751 | 0.738 |
| Textiles and textile products | 0.705 | 0.642 | 0.652 | 0.663 | 0.665 | 0.676 | 0.694 | 0.683 |
| Leather, leather products, and footwear | 0.718 | 0.678 | 0.690 | 0.699 | 0.700 | 0.715 | 0.732 | 0.718 |
| Wood and products of wood and cork | 0.739 | 0.767 | 0.778 | 0.785 | 0.786 | 0.797 | 0.808 | 0.797 |
| Pulp, paper, paper products, printing, and publishing | 0.820 | 0.832 | 0.840 | 0.846 | 0.846 | 0.854 | 0.864 | 0.856 |
| Coke, refined petroleum, and nuclear fuel | 0.427 | 0.197 | 0.220 | 0.225 | 0.236 | 0.238 | 0.258 | 0.236 |
| Chemicals and chemical products | 0.572 | 0.457 | 0.469 | 0.481 | 0.494 | 0.510 | 0.532 | 0.514 |
| Rubber and plastics | 0.700 | 0.691 | 0.694 | 0.706 | 0.713 | 0.723 | 0.737 | 0.725 |
| Other nonmetallic minerals | 0.516 | 0.335 | 0.356 | 0.369 | 0.385 | 0.421 | 0.447 | 0.412 |
| Basic metals and fabricated metal | 0.493 | 0.464 | 0.483 | 0.496 | 0.510 | 0.540 | 0.565 | 0.537 |
| Machinery, nec | 0.604 | 0.584 | 0.603 | 0.613 | 0.621 | 0.645 | 0.666 | 0.644 |
| Electrical and optical equipment | 0.624 | 0.562 | 0.581 | 0.594 | 0.600 | 0.626 | 0.648 | 0.625 |
| Transport equipment | 0.568 | 0.609 | 0.624 | 0.634 | 0.640 | 0.662 | 0.680 | 0.659 |
| Manufacturing, nec; recycling | 0.630 | 0.597 | 0.612 | 0.624 | 0.627 | 0.647 | 0.666 | 0.648 |
| Electricity, gas, and water supply | 0.705 | 0.649 | 0.643 | 0.660 | 0.671 | 0.689 | 0.706 | 0.689 |
| Construction | 0.567 | 0.539 | 0.543 | 0.551 | 0.552 | 0.575 | 0.597 | 0.578 |
| Sale, maintenance, and repair | 0.667 | 0.677 | 0.686 | 0.695 | 0.702 | 0.718 | 0.738 | 0.725 |
| Wholesale trade and commission trade | 0.810 | 0.827 | 0.830 | 0.836 | 0.836 | 0.845 | 0.854 | 0.847 |
| Retail trade | 0.805 | 0.826 | 0.831 | 0.836 | 0.836 | 0.845 | 0.855 | 0.847 |
| Hotels and restaurants | 0.758 | 0.780 | 0.783 | 0.789 | 0.784 | 0.791 | 0.802 | 0.795 |
| Inland transport | 0.731 | 0.716 | 0.725 | 0.722 | 0.713 | 0.696 | 0.714 | 0.728 |
| Water transport | 0.560 | 0.528 | 0.544 | 0.546 | 0.544 | 0.538 | 0.561 | 0.564 |
| Air transport | 0.601 | 0.588 | 0.604 | 0.607 | 0.603 | 0.600 | 0.619 | 0.622 |
| Other supporting and auxiliary transport activities | 0.724 | 0.769 | 0.777 | 0.782 | 0.781 | 0.789 | 0.802 | 0.794 |
| Post and telecommunications | 0.774 | 0.783 | 0.796 | 0.805 | 0.807 | 0.818 | 0.829 | 0.820 |
| Financial intermediation | 0.889 | 0.898 | 0.903 | 0.908 | 0.907 | 0.909 | 0.915 | 0.914 |
| Real estate activities | 0.885 | 0.889 | 0.891 | 0.895 | 0.892 | 0.898 | 0.904 | 0.900 |
| Renting of M&Eq and other business activities | 0.752 | 0.778 | 0.788 | 0.793 | 0.792 | 0.803 | 0.815 | 0.806 |
| Public administration and defense; compulsory social security | 0.850 | 0.865 | 0.866 | 0.871 | 0.870 | 0.876 | 0.884 | 0.880 |
| Education | 0.807 | 0.827 | 0.829 | 0.836 | 0.836 | 0.845 | 0.854 | 0.847 |
| Health and social work | 0.746 | 0.752 | 0.749 | 0.761 | 0.765 | 0.776 | 0.788 | 0.778 |
| Other community, social, and personal services | 0.831 | 0.850 | 0.854 | 0.860 | 0.859 | 0.866 | 0.874 | 0.868 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 9.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.124 | 0.119 | 0.118 | 0.117 | 0.113 | 0.110 | 0.102 | 0.106 |
| Mining and quarrying | 0.295 | 0.314 | 0.306 | 0.300 | 0.288 | 0.270 | 0.250 | 0.267 |
| Food, beverages, and tobacco | 0.269 | 0.243 | 0.230 | 0.224 | 0.213 | 0.201 | 0.187 | 0.201 |
| Textiles and textile products | 0.250 | 0.317 | 0.305 | 0.294 | 0.278 | 0.264 | 0.245 | 0.260 |
| Leather, leather products, and footwear | 0.237 | 0.281 | 0.267 | 0.258 | 0.244 | 0.227 | 0.210 | 0.226 |
| Wood and products of wood and cork | 0.231 | 0.208 | 0.197 | 0.190 | 0.180 | 0.168 | 0.157 | 0.169 |
| Pulp, paper, paper products, printing, and publishing | 0.156 | 0.148 | 0.140 | 0.134 | 0.127 | 0.118 | 0.109 | 0.118 |
| Coke, refined petroleum, and nuclear fuel | 0.460 | 0.722 | 0.696 | 0.689 | 0.650 | 0.637 | 0.613 | 0.646 |
| Chemicals and chemical products | 0.357 | 0.486 | 0.472 | 0.459 | 0.427 | 0.406 | 0.383 | 0.407 |
| Rubber and plastics | 0.255 | 0.271 | 0.266 | 0.254 | 0.236 | 0.223 | 0.209 | 0.223 |
| Other nonmetallic minerals | 0.421 | 0.617 | 0.594 | 0.580 | 0.547 | 0.508 | 0.480 | 0.521 |
| Basic metals and fabricated metal | 0.480 | 0.514 | 0.493 | 0.480 | 0.458 | 0.424 | 0.400 | 0.430 |
| Machinery, nec | 0.361 | 0.386 | 0.367 | 0.356 | 0.338 | 0.312 | 0.291 | 0.315 |
| Electrical and optical equipment | 0.337 | 0.402 | 0.381 | 0.369 | 0.351 | 0.323 | 0.301 | 0.325 |
| Transport equipment | 0.395 | 0.360 | 0.344 | 0.334 | 0.318 | 0.293 | 0.276 | 0.298 |
| Manufacturing, nec; recycling | 0.315 | 0.354 | 0.338 | 0.325 | 0.307 | 0.285 | 0.266 | 0.286 |
| Electricity, gas, and water supply | 0.253 | 0.315 | 0.322 | 0.303 | 0.281 | 0.260 | 0.243 | 0.263 |
| Construction | 0.379 | 0.416 | 0.411 | 0.403 | 0.387 | 0.361 | 0.339 | 0.361 |
| Sale, maintenance, and repair | 0.305 | 0.300 | 0.290 | 0.281 | 0.267 | 0.248 | 0.227 | 0.242 |
| Wholesale trade and commission trade | 0.163 | 0.150 | 0.147 | 0.141 | 0.134 | 0.124 | 0.114 | 0.122 |
| Retail trade | 0.170 | 0.152 | 0.147 | 0.142 | 0.135 | 0.124 | 0.114 | 0.123 |
| Hotels and restaurants | 0.187 | 0.168 | 0.165 | 0.158 | 0.148 | 0.140 | 0.129 | 0.138 |
| Inland transport | 0.217 | 0.240 | 0.231 | 0.233 | 0.227 | 0.237 | 0.219 | 0.212 |
| Water transport | 0.385 | 0.424 | 0.407 | 0.403 | 0.389 | 0.387 | 0.363 | 0.368 |
| Air transport | 0.346 | 0.363 | 0.347 | 0.343 | 0.330 | 0.327 | 0.307 | 0.311 |
| Other supporting and auxiliary transport activities | 0.240 | 0.200 | 0.191 | 0.187 | 0.178 | 0.168 | 0.154 | 0.164 |
| Post and telecommunications | 0.190 | 0.185 | 0.171 | 0.162 | 0.150 | 0.137 | 0.127 | 0.137 |
| Financial intermediation | 0.091 | 0.084 | 0.078 | 0.074 | 0.068 | 0.066 | 0.060 | 0.062 |
| Real estate activities | 0.091 | 0.089 | 0.086 | 0.082 | 0.078 | 0.072 | 0.066 | 0.070 |
| Renting of M&Eq and other business activities | 0.212 | 0.191 | 0.180 | 0.175 | 0.166 | 0.154 | 0.142 | 0.152 |
| Public administration and defense; compulsory social security | 0.128 | 0.116 | 0.115 | 0.110 | 0.105 | 0.098 | 0.089 | 0.094 |
| Education | 0.166 | 0.149 | 0.147 | 0.140 | 0.132 | 0.122 | 0.113 | 0.121 |
| Health and social work | 0.220 | 0.217 | 0.220 | 0.207 | 0.193 | 0.180 | 0.168 | 0.180 |
| Other community, social, and personal services | 0.142 | 0.126 | 0.122 | 0.117 | 0.110 | 0.102 | 0.094 | 0.101 |
| Private households with employed persons | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 9.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.579 | 1.453 | 1.470 | 1.467 | 1.471 | 1.498 | 1.510 | 1.478 |
| Mining and quarrying | 2.282 | 2.029 | 2.060 | 2.073 | 2.085 | 2.140 | 2.171 | 2.097 |
| Food, beverages, and tobacco | 2.311 | 2.181 | 2.233 | 2.244 | 2.254 | 2.313 | 2.332 | 2.274 |
| Textiles and textile products | 2.168 | 2.001 | 2.064 | 2.079 | 2.101 | 2.157 | 2.192 | 2.117 |
| Leather, leather products, and footwear | 1.957 | 1.805 | 1.864 | 1.876 | 1.893 | 1.939 | 1.965 | 1.903 |
| Wood and products of wood and cork | 2.153 | 1.831 | 1.869 | 1.877 | 1.895 | 1.931 | 1.954 | 1.906 |
| Pulp, paper, paper products, printing, and publishing | 1.727 | 1.515 | 1.545 | 1.546 | 1.559 | 1.583 | 1.596 | 1.564 |
| Coke, refined petroleum, and nuclear fuel | 2.550 | 1.675 | 1.763 | 1.825 | 1.883 | 2.014 | 2.105 | 1.924 |
| Chemicals and chemical products | 2.485 | 1.971 | 2.062 | 2.087 | 2.115 | 2.201 | 2.255 | 2.138 |
| Rubber and plastics | 2.186 | 1.868 | 1.927 | 1.935 | 1.946 | 1.996 | 2.027 | 1.962 |
| Other nonmetallic minerals | 2.393 | 1.749 | 1.833 | 1.879 | 1.934 | 2.041 | 2.103 | 1.954 |
| Basic metals and fabricated metal | 2.158 | 1.859 | 1.938 | 1.975 | 2.030 | 2.119 | 2.178 | 2.056 |
| Machinery, nec | 2.061 | 1.766 | 1.832 | 1.855 | 1.889 | 1.952 | 1.990 | 1.903 |
| Electrical and optical equipment | 2.033 | 1.844 | 1.913 | 1.935 | 1.968 | 2.032 | 2.071 | 1.981 |
| Transport equipment | 2.153 | 1.751 | 1.807 | 1.832 | 1.865 | 1.926 | 1.966 | 1.883 |
| Manufacturing, nec; recycling | 2.195 | 1.882 | 1.947 | 1.967 | 1.989 | 2.047 | 2.083 | 2.002 |
| Electricity, gas, and water supply | 1.903 | 1.582 | 1.571 | 1.607 | 1.650 | 1.701 | 1.730 | 1.654 |
| Construction | 2.293 | 1.905 | 1.944 | 1.960 | 1.983 | 2.058 | 2.103 | 2.000 |
| Sale, maintenance, and repair | 2.189 | 1.961 | 1.990 | 2.000 | 2.023 | 2.073 | 2.105 | 2.040 |
| Wholesale trade and commission trade | 1.717 | 1.528 | 1.543 | 1.547 | 1.559 | 1.584 | 1.599 | 1.566 |
| Retail trade | 1.698 | 1.522 | 1.540 | 1.542 | 1.553 | 1.578 | 1.594 | 1.561 |
| Hotels and restaurants | 2.118 | 1.925 | 1.950 | 1.964 | 1.972 | 2.010 | 2.019 | 1.978 |
| Inland transport | 2.066 | 1.752 | 1.777 | 1.792 | 1.811 | 1.865 | 1.894 | 1.821 |
| Water transport | 2.050 | 1.802 | 1.850 | 1.876 | 1.907 | 1.991 | 2.041 | 1.930 |
| Air transport | 2.222 | 2.012 | 2.058 | 2.077 | 2.097 | 2.168 | 2.203 | 2.112 |
| Other supporting and auxiliary transport activities | 2.037 | 1.726 | 1.751 | 1.760 | 1.774 | 1.810 | 1.830 | 1.786 |
| Post and telecommunications | 1.903 | 1.720 | 1.754 | 1.768 | 1.786 | 1.813 | 1.828 | 1.791 |
| Financial intermediation | 1.523 | 1.400 | 1.414 | 1.418 | 1.430 | 1.444 | 1.451 | 1.433 |
| Real estate activities | 1.594 | 1.484 | 1.491 | 1.490 | 1.497 | 1.510 | 1.518 | 1.497 |
| Renting of M&Eq and other business activities | 1.981 | 1.699 | 1.734 | 1.739 | 1.750 | 1.781 | 1.801 | 1.760 |
| Public administration and defense; compulsory social security | 1.580 | 1.430 | 1.439 | 1.444 | 1.459 | 1.480 | 1.494 | 1.469 |
| Education | 1.781 | 1.573 | 1.586 | 1.595 | 1.612 | 1.639 | 1.655 | 1.622 |
| Health and social work | 1.756 | 1.606 | 1.620 | 1.639 | 1.665 | 1.704 | 1.728 | 1.677 |
| Other community, social, and personal services | 1.674 | 1.476 | 1.495 | 1.500 | 1.513 | 1.534 | 1.546 | 1.518 |
| Private households with employed persons | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

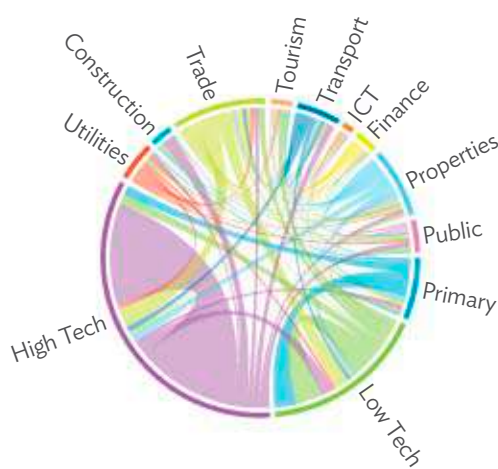
Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

9.2

Thailand

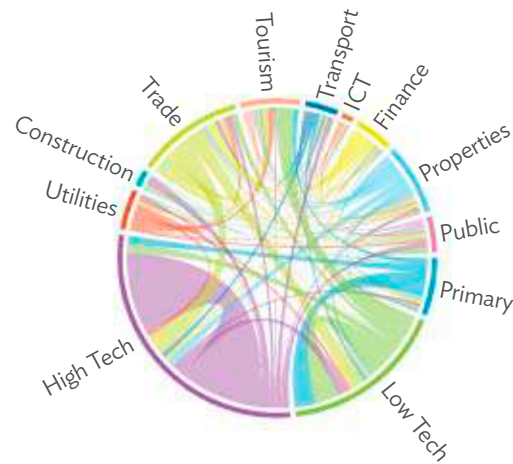
Figure 9.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

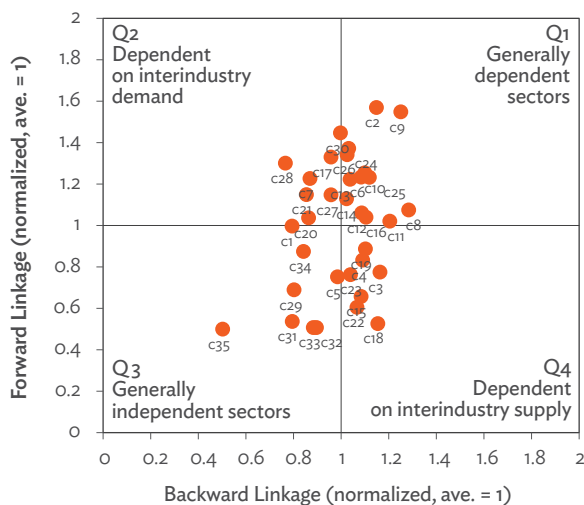
Figure 9.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

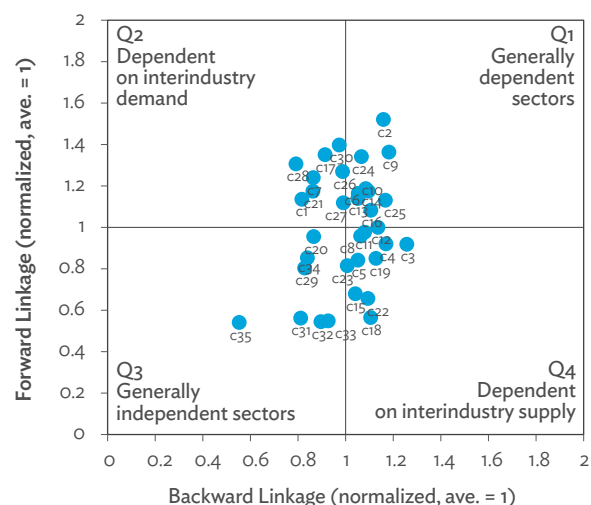
Figure 9.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.2.2b: Backward and Forward Linkages by Industry, 2017

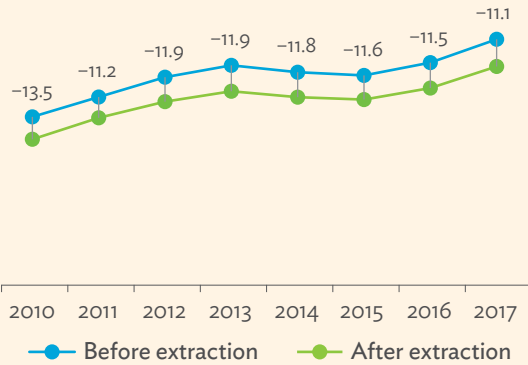


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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Box 9: Hypothetical Extraction of Food, Beverages, and Tobacco Industry in Thailand

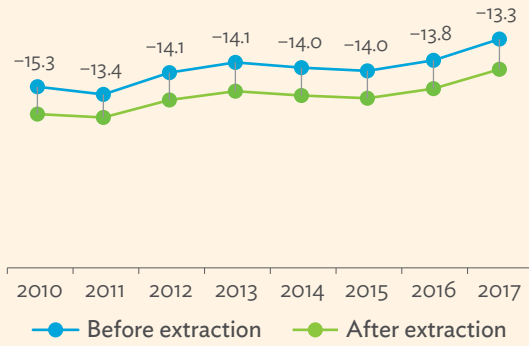
Figure 9.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

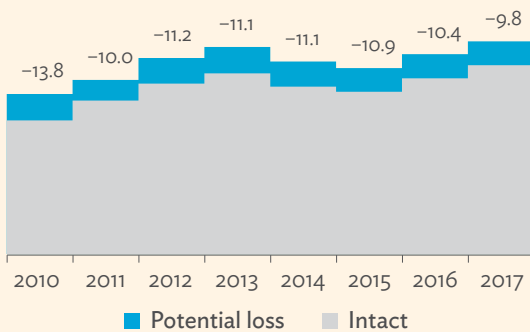
Figure 9.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

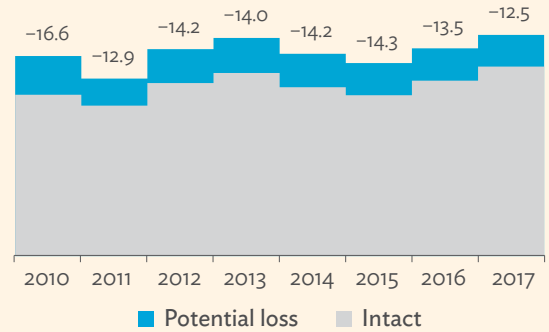
Figure 9.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

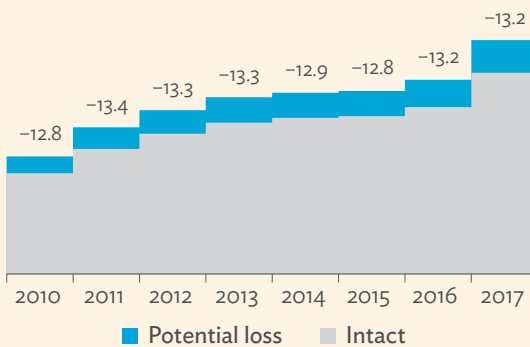
Figure 9.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

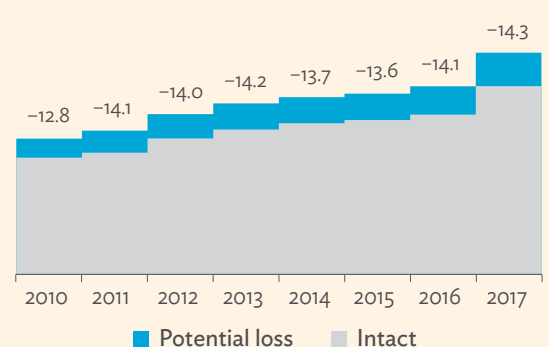
Figure 9.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 9.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.795 | 0.844 | 0.835 | 0.826 | 0.818 | 0.811 | 0.805 | 0.816 |
| Mining and quarrying | 1.150 | 1.178 | 1.170 | 1.167 | 1.160 | 1.159 | 1.158 | 1.159 |
| Food, beverages, and tobacco | 1.164 | 1.266 | 1.268 | 1.263 | 1.254 | 1.253 | 1.244 | 1.256 |
| Textiles and textile products | 1.092 | 1.162 | 1.172 | 1.170 | 1.168 | 1.168 | 1.169 | 1.169 |
| Leather, leather products, and footwear | 0.986 | 1.048 | 1.058 | 1.056 | 1.053 | 1.050 | 1.048 | 1.051 |
| Wood and products of wood and cork | 1.085 | 1.063 | 1.061 | 1.057 | 1.054 | 1.046 | 1.042 | 1.053 |
| Pulp, paper, paper products, printing, and publishing | 0.870 | 0.880 | 0.877 | 0.870 | 0.867 | 0.857 | 0.851 | 0.864 |
| Coke, refined petroleum, and nuclear fuel | 1.285 | 0.972 | 1.001 | 1.028 | 1.048 | 1.091 | 1.123 | 1.063 |
| Chemicals and chemical products | 1.252 | 1.145 | 1.171 | 1.175 | 1.176 | 1.192 | 1.202 | 1.181 |
| Rubber and plastics | 1.101 | 1.085 | 1.094 | 1.089 | 1.083 | 1.081 | 1.081 | 1.084 |
| Other nonmetallic minerals | 1.205 | 1.015 | 1.041 | 1.058 | 1.076 | 1.105 | 1.122 | 1.079 |
| Basic metals and fabricated metal | 1.087 | 1.079 | 1.101 | 1.112 | 1.129 | 1.148 | 1.161 | 1.136 |
| Machinery, nec | 1.038 | 1.025 | 1.040 | 1.044 | 1.051 | 1.057 | 1.061 | 1.051 |
| Electrical and optical equipment | 1.024 | 1.071 | 1.086 | 1.089 | 1.095 | 1.100 | 1.104 | 1.095 |
| Transport equipment | 1.085 | 1.016 | 1.026 | 1.031 | 1.038 | 1.043 | 1.048 | 1.040 |
| Manufacturing, nec; recycling | 1.106 | 1.093 | 1.106 | 1.107 | 1.106 | 1.109 | 1.111 | 1.106 |
| Electricity, gas, and water supply | 0.959 | 0.918 | 0.892 | 0.905 | 0.918 | 0.921 | 0.923 | 0.914 |
| Construction | 1.155 | 1.106 | 1.104 | 1.104 | 1.103 | 1.114 | 1.122 | 1.105 |
| Sale, maintenance, and repair | 1.103 | 1.138 | 1.130 | 1.126 | 1.125 | 1.122 | 1.122 | 1.127 |
| Wholesale trade and commission trade | 0.865 | 0.887 | 0.876 | 0.871 | 0.867 | 0.858 | 0.853 | 0.865 |
| Retail trade | 0.855 | 0.884 | 0.875 | 0.868 | 0.864 | 0.854 | 0.850 | 0.862 |
| Hotels and restaurants | 1.067 | 1.118 | 1.107 | 1.106 | 1.097 | 1.088 | 1.076 | 1.093 |
| Inland transport | 1.041 | 1.017 | 1.009 | 1.009 | 1.007 | 1.010 | 1.010 | 1.006 |
| Water transport | 1.033 | 1.046 | 1.051 | 1.056 | 1.061 | 1.078 | 1.088 | 1.066 |
| Air transport | 1.120 | 1.168 | 1.169 | 1.169 | 1.167 | 1.174 | 1.175 | 1.167 |
| Other supporting and auxiliary transport activities | 1.026 | 1.002 | 0.995 | 0.991 | 0.987 | 0.980 | 0.976 | 0.987 |
| Post and telecommunications | 0.959 | 0.999 | 0.996 | 0.996 | 0.993 | 0.982 | 0.975 | 0.990 |
| Financial intermediation | 0.767 | 0.813 | 0.803 | 0.798 | 0.795 | 0.782 | 0.774 | 0.791 |
| Real estate activities | 0.803 | 0.861 | 0.847 | 0.839 | 0.833 | 0.818 | 0.809 | 0.827 |
| Renting of M&Eq and other business activities | 0.998 | 0.986 | 0.985 | 0.979 | 0.974 | 0.965 | 0.960 | 0.972 |
| Public administration and defense; compulsory social security | 0.796 | 0.830 | 0.817 | 0.813 | 0.811 | 0.801 | 0.797 | 0.811 |
| Education | 0.897 | 0.914 | 0.901 | 0.898 | 0.897 | 0.887 | 0.883 | 0.896 |
| Health and social work | 0.885 | 0.933 | 0.920 | 0.923 | 0.926 | 0.923 | 0.922 | 0.926 |
| Other community, social, and personal services | 0.843 | 0.857 | 0.849 | 0.844 | 0.842 | 0.831 | 0.824 | 0.839 |
| Private households with employed persons | 0.504 | 0.581 | 0.568 | 0.563 | 0.556 | 0.542 | 0.533 | 0.552 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 9.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.993 | 1.012 | 1.017 | 1.048 | 1.075 | 1.062 | 1.092 | 1.137 |
| Mining and quarrying | 1.581 | 1.548 | 1.550 | 1.588 | 1.721 | 1.951 | 1.888 | 1.533 |
| Food, beverages, and tobacco | 0.764 | 0.837 | 0.826 | 0.831 | 0.831 | 0.823 | 0.870 | 0.913 |
| Textiles and textile products | 0.824 | 0.858 | 0.860 | 0.870 | 0.875 | 0.867 | 0.888 | 0.916 |
| Leather, leather products, and footwear | 0.741 | 0.788 | 0.770 | 0.770 | 0.766 | 0.771 | 0.794 | 0.834 |
| Wood and products of wood and cork | 1.235 | 1.157 | 1.195 | 1.205 | 1.212 | 1.179 | 1.174 | 1.167 |
| Pulp, paper, paper products, printing, and publishing | 1.228 | 1.247 | 1.269 | 1.251 | 1.233 | 1.192 | 1.197 | 1.245 |
| Coke, refined petroleum, and nuclear fuel | 1.073 | 0.911 | 0.849 | 0.957 | 1.007 | 1.307 | 1.234 | 0.954 |
| Chemicals and chemical products | 1.559 | 1.417 | 1.679 | 1.476 | 1.348 | 1.326 | 1.345 | 1.371 |
| Rubber and plastics | 1.257 | 1.208 | 1.213 | 1.229 | 1.243 | 1.218 | 1.208 | 1.190 |
| Other nonmetallic minerals | 1.017 | 0.980 | 1.004 | 1.016 | 1.014 | 0.979 | 0.977 | 0.973 |
| Basic metals and fabricated metal | 1.058 | 1.016 | 1.026 | 1.043 | 1.059 | 1.035 | 1.032 | 0.997 |
| Machinery, nec | 1.225 | 1.153 | 1.172 | 1.180 | 1.189 | 1.171 | 1.164 | 1.141 |
| Electrical and optical equipment | 1.128 | 1.133 | 1.138 | 1.148 | 1.155 | 1.136 | 1.142 | 1.177 |
| Transport equipment | 0.644 | 0.686 | 0.680 | 0.682 | 0.681 | 0.664 | 0.656 | 0.668 |
| Manufacturing, nec; recycling | 1.036 | 1.021 | 1.020 | 1.037 | 1.050 | 1.051 | 1.060 | 1.083 |
| Electricity, gas, and water supply | 1.335 | 1.334 | 1.298 | 1.314 | 1.326 | 1.315 | 1.311 | 1.359 |
| Construction | 0.508 | 0.591 | 0.576 | 0.575 | 0.571 | 0.551 | 0.535 | 0.550 |
| Sale, maintenance, and repair | 0.880 | 0.891 | 0.878 | 0.867 | 0.854 | 0.839 | 0.850 | 0.843 |
| Wholesale trade and commission trade | 1.034 | 0.999 | 0.985 | 0.979 | 0.963 | 0.949 | 0.955 | 0.951 |
| Retail trade | 1.149 | 1.135 | 1.126 | 1.143 | 1.141 | 1.135 | 1.148 | 1.177 |
| Hotels and restaurants | 0.589 | 0.647 | 0.633 | 0.630 | 0.624 | 0.611 | 0.611 | 0.644 |
| Inland transport | 0.752 | 0.785 | 0.775 | 0.771 | 0.764 | 0.758 | 0.781 | 0.807 |
| Water transport | 1.378 | 1.359 | 1.358 | 1.350 | 1.343 | 1.321 | 1.327 | 1.348 |
| Air transport | 1.235 | 1.209 | 1.179 | 1.158 | 1.134 | 1.116 | 1.118 | 1.132 |
| Other supporting and auxiliary transport activities | 1.347 | 1.328 | 1.306 | 1.288 | 1.269 | 1.250 | 1.243 | 1.274 |
| Post and telecommunications | 1.148 | 1.110 | 1.098 | 1.091 | 1.084 | 1.077 | 1.083 | 1.119 |
| Financial intermediation | 1.304 | 1.258 | 1.243 | 1.235 | 1.227 | 1.222 | 1.247 | 1.313 |
| Real estate activities | 0.676 | 0.720 | 0.709 | 0.721 | 0.730 | 0.723 | 0.741 | 0.796 |
| Renting of M&Eq and other business activities | 1.455 | 1.483 | 1.465 | 1.461 | 1.463 | 1.440 | 1.410 | 1.406 |
| Public administration and defense; compulsory social security | 0.520 | 0.600 | 0.582 | 0.581 | 0.576 | 0.557 | 0.544 | 0.547 |
| Education | 0.489 | 0.572 | 0.557 | 0.555 | 0.548 | 0.529 | 0.514 | 0.530 |
| Health and social work | 0.490 | 0.573 | 0.558 | 0.556 | 0.550 | 0.532 | 0.516 | 0.533 |
| Other community, social, and personal services | 0.867 | 0.870 | 0.855 | 0.845 | 0.834 | 0.820 | 0.837 | 0.847 |
| Private households with employed persons | 0.482 | 0.566 | 0.551 | 0.548 | 0.542 | 0.523 | 0.506 | 0.525 |

lowest linkage  highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

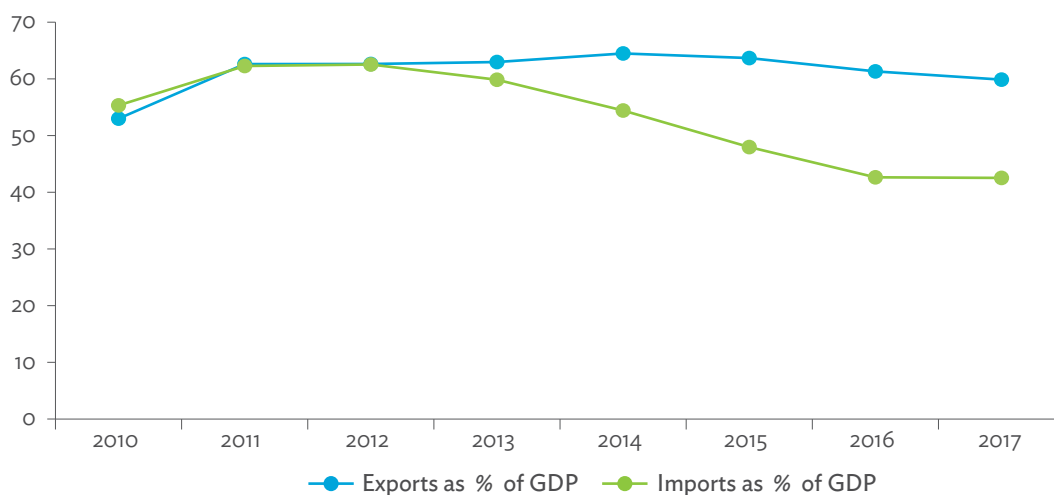
Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

9.3

Thailand

Figure 9.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)

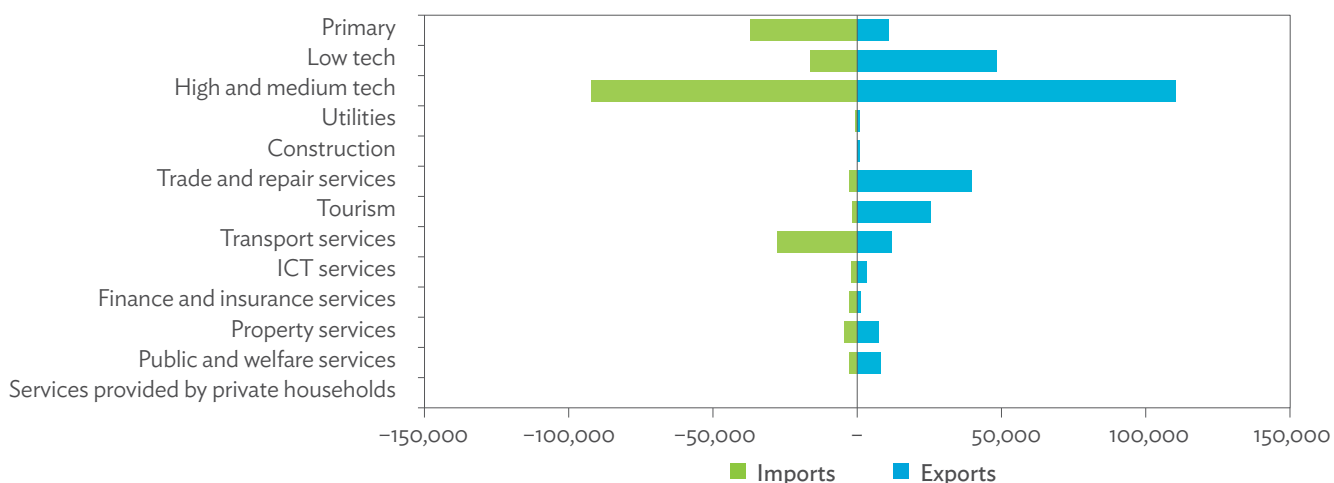


GDP = gross domestic product.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.3.2: Total Foreign Trade by Sector, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)

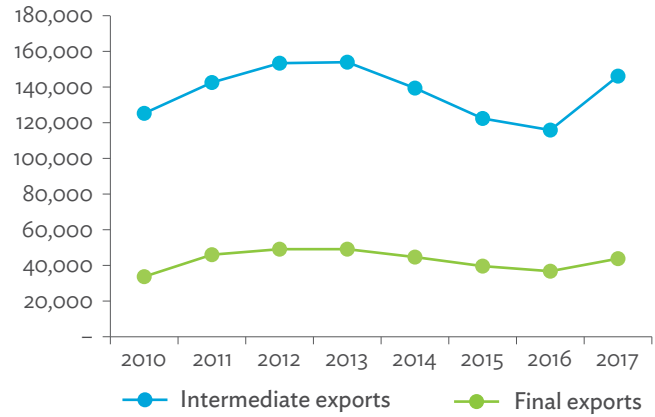


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)

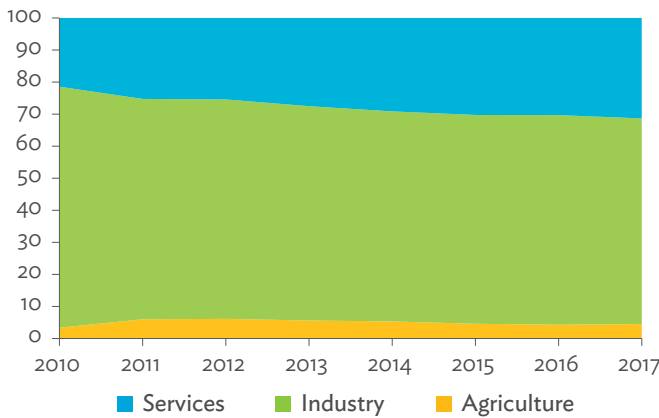


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

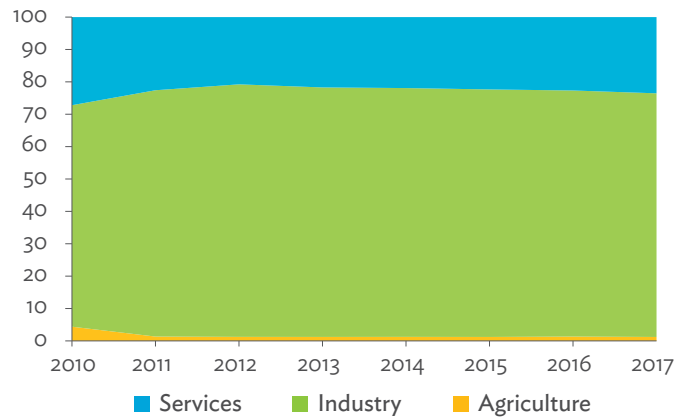
Figure 9.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

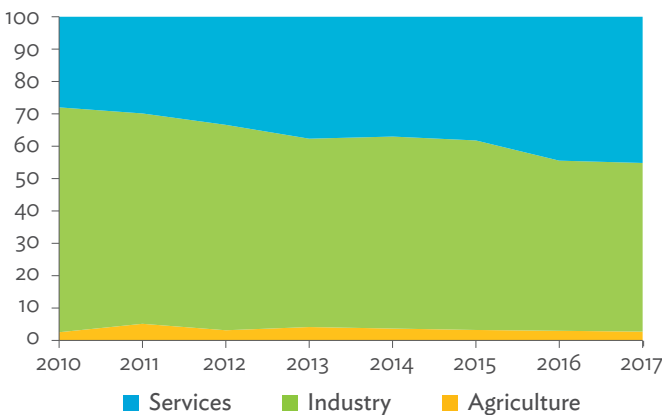
Figure 9.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

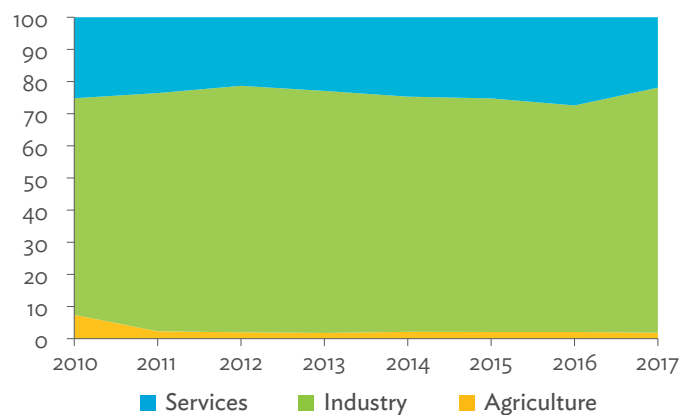
Figure 9.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

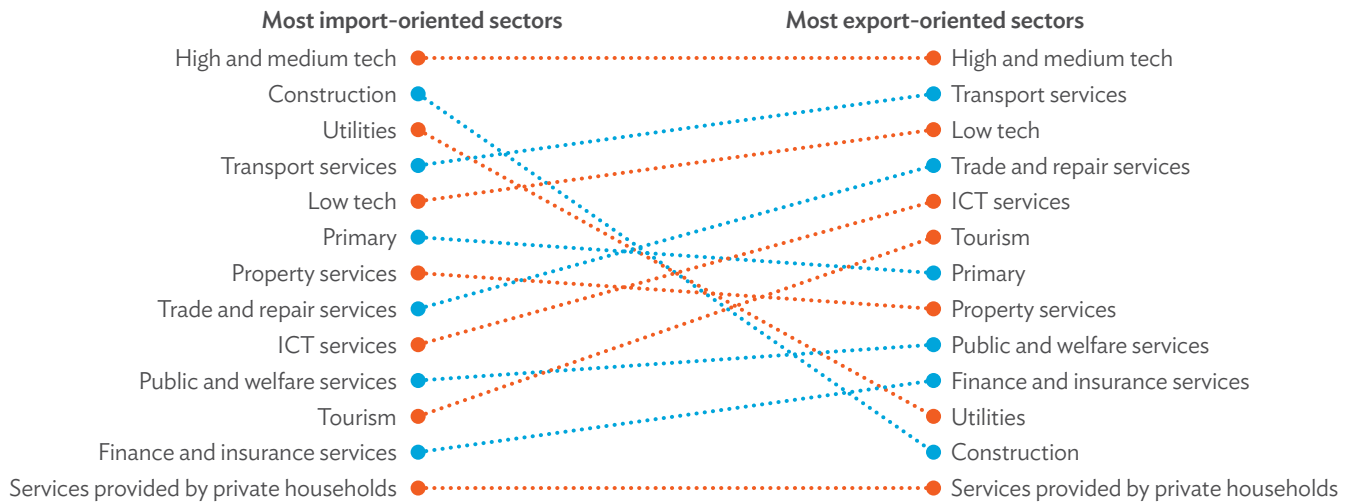
Figure 9.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

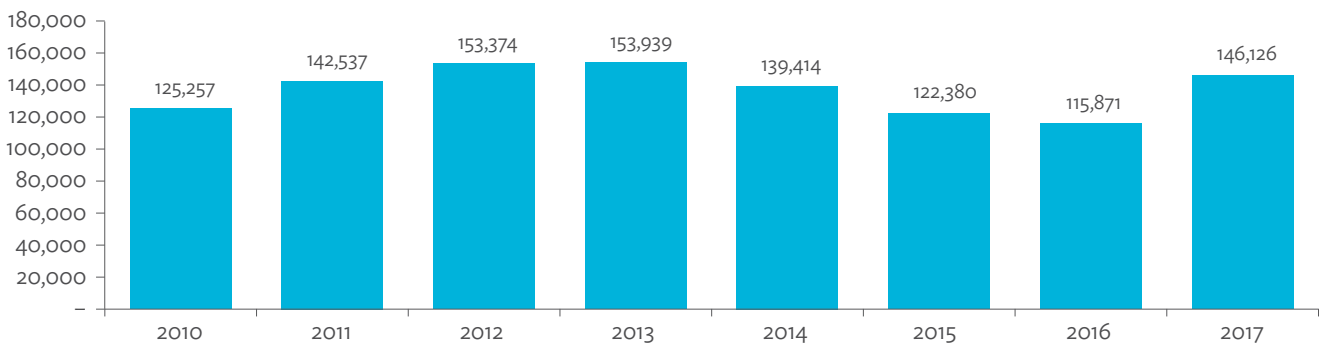
Figure 9.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

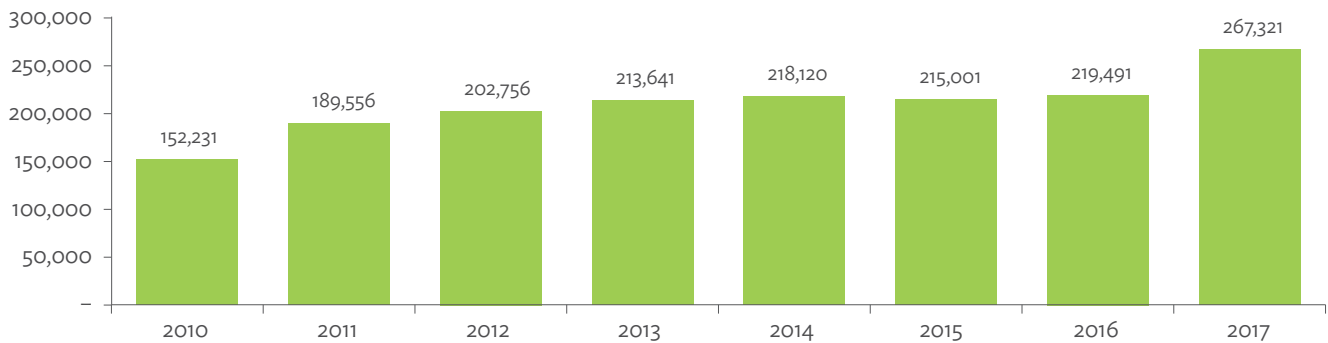
Figure 9.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

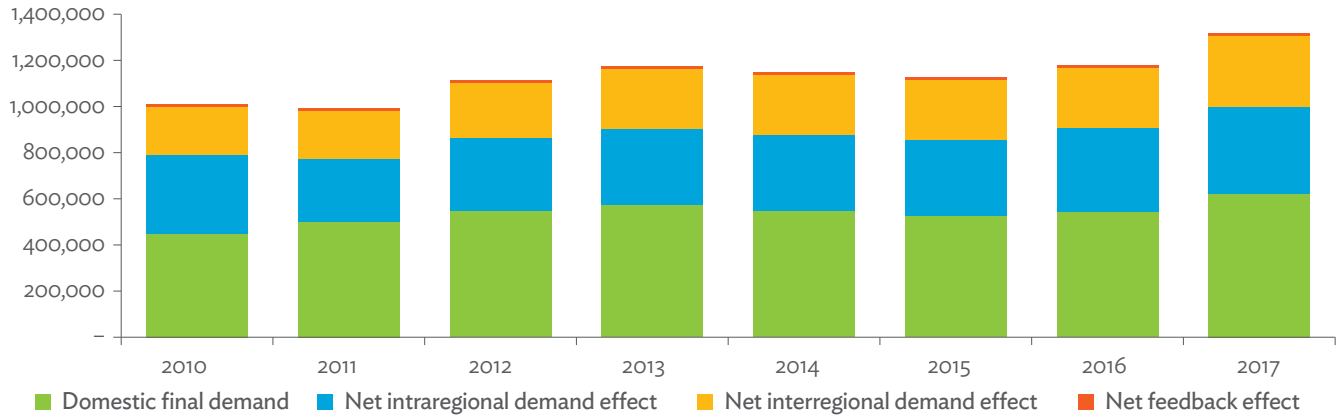
Figure 9.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

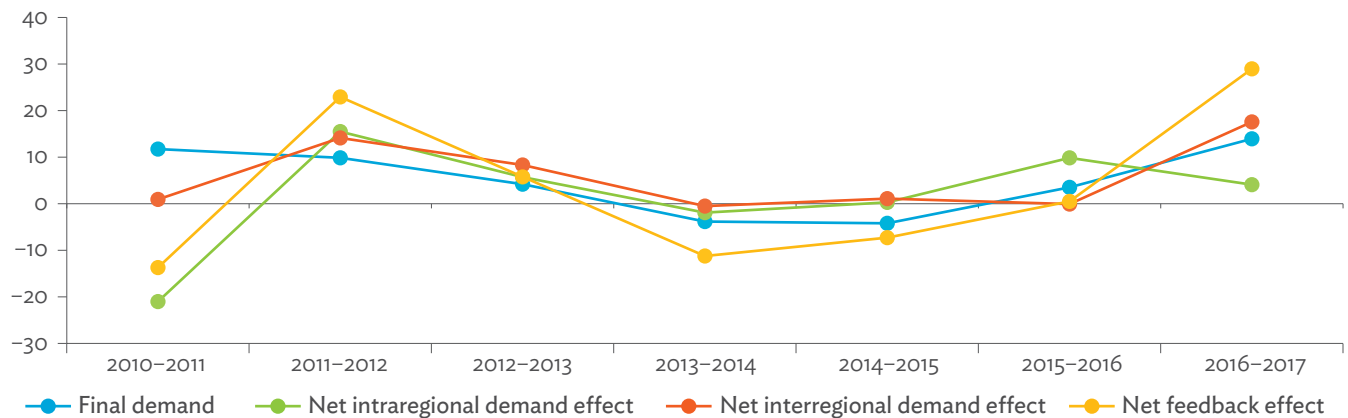


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

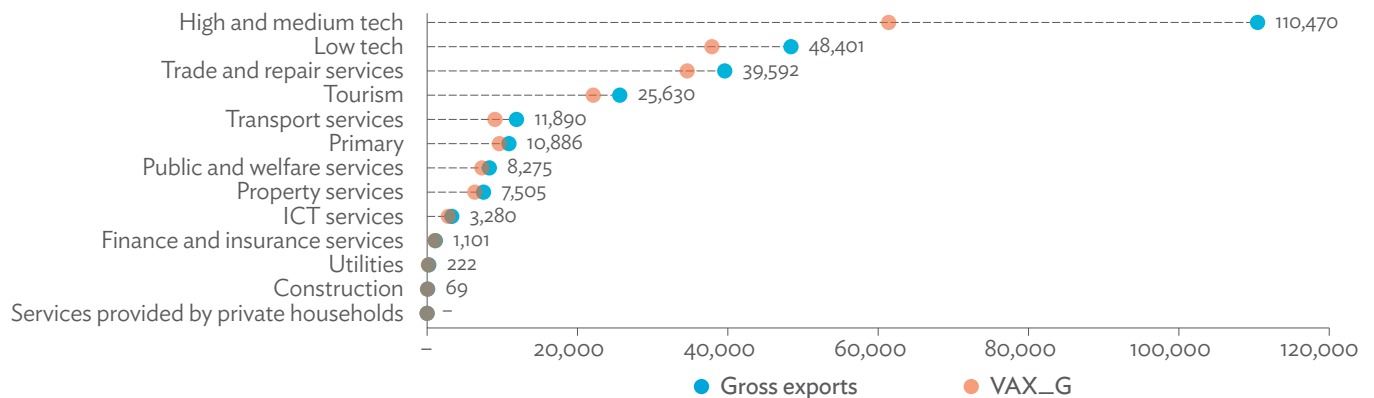
Figure 9.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

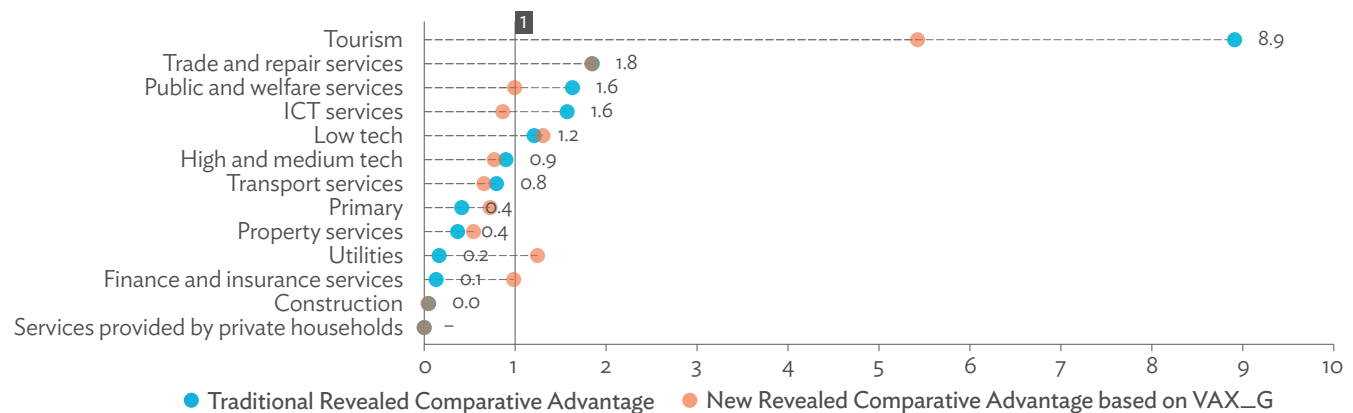


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 9.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 9.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Final demand | | | | | | | | |
| Primary | 17,424 | 28,310 | 28,118 | 25,657 | 19,635 | 14,562 | 12,463 | 16,480 |
| Low tech | 115,333 | 107,431 | 122,421 | 125,520 | 118,817 | 115,317 | 106,832 | 112,907 |
| High and medium tech | 131,651 | 142,266 | 160,112 | 165,458 | 158,049 | 144,433 | 144,041 | 175,616 |
| Business service | 109,820 | 139,922 | 150,485 | 160,946 | 159,821 | 159,366 | 188,988 | 214,062 |
| Personal service | 72,796 | 81,569 | 87,610 | 94,191 | 93,564 | 93,097 | 92,984 | 102,273 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 32,809 | 31,835 | 36,731 | 37,892 | 36,822 | 31,835 | 32,484 | 33,865 |
| Low tech | 78,215 | 61,298 | 70,226 | 75,693 | 75,721 | 76,479 | 87,804 | 92,522 |
| High and medium tech | 114,880 | 74,803 | 92,772 | 98,339 | 96,976 | 99,461 | 103,541 | 99,689 |
| Business service | 115,500 | 101,215 | 111,412 | 117,030 | 113,130 | 115,718 | 130,822 | 143,566 |
| Personal service | 4,332 | 3,935 | 4,254 | 4,477 | 4,409 | 4,508 | 5,666 | 5,426 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 9.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|---------|--------|---------|---------|---------|---------|---------|---------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 11,742 | 18,526 | 19,539 | 20,393 | 21,105 | 19,088 | 17,474 | 20,131 |
| Low tech | 37,096 | 38,925 | 42,871 | 46,926 | 46,501 | 46,435 | 45,987 | 55,397 |
| High and medium tech | 109,114 | 95,572 | 113,215 | 119,585 | 115,933 | 117,614 | 118,456 | 133,273 |
| Business service | 56,096 | 63,269 | 71,256 | 79,284 | 81,575 | 84,917 | 85,494 | 105,674 |
| Personal service | 3,331 | 3,100 | 3,509 | 5,032 | 4,732 | 4,746 | 5,191 | 6,022 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 30.03 | 40.71 | 45.59 | 47.05 | 45.01 | 38.08 | 35.27 | 44.72 |
| Low tech | 102.44 | 90.54 | 112.47 | 119.35 | 104.21 | 95.82 | 96.08 | 127.12 |
| High and medium tech | 471.29 | 371.58 | 469.93 | 485.18 | 421.89 | 389.06 | 395.28 | 489.72 |
| Business service | 187.38 | 179.82 | 211.45 | 233.25 | 215.37 | 206.21 | 205.27 | 282.51 |
| Personal service | 8.02 | 6.93 | 8.28 | 11.87 | 9.55 | 8.85 | 9.80 | 12.48 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 9.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.5790 | 0.4531 | 0.4705 | 0.4672 | 0.4712 | 0.4982 | 0.5100 | 0.4776 |
| Mining and quarrying | 1.2822 | 1.0289 | 1.0599 | 1.0726 | 1.0847 | 1.1399 | 1.1715 | 1.0974 |
| Food, beverages, and tobacco | 1.3106 | 1.1808 | 1.2328 | 1.2442 | 1.2545 | 1.3132 | 1.3325 | 1.2741 |
| Textiles and textile products | 1.1675 | 1.0012 | 1.0639 | 1.0786 | 1.1006 | 1.1567 | 1.1918 | 1.1167 |
| Leather, leather products, and footwear | 0.9572 | 0.8046 | 0.8636 | 0.8765 | 0.8929 | 0.9386 | 0.9653 | 0.9032 |
| Wood and products of wood and cork | 1.1530 | 0.8306 | 0.8687 | 0.8769 | 0.8953 | 0.9314 | 0.9539 | 0.9055 |
| Pulp, paper, paper products, printing, and publishing | 0.7270 | 0.5150 | 0.5448 | 0.5462 | 0.5592 | 0.5831 | 0.5960 | 0.5639 |
| Coke, refined petroleum, and nuclear fuel | 1.5504 | 0.6747 | 0.7634 | 0.8253 | 0.8832 | 1.0143 | 1.1052 | 0.9239 |
| Chemicals and chemical products | 1.4849 | 0.9713 | 1.0619 | 1.0870 | 1.1147 | 1.2010 | 1.2547 | 1.1385 |
| Rubber and plastics | 1.1855 | 0.8679 | 0.9270 | 0.9349 | 0.9462 | 0.9960 | 1.0271 | 0.9624 |
| Other nonmetallic minerals | 1.3927 | 0.7487 | 0.8328 | 0.8792 | 0.9344 | 1.0414 | 1.1035 | 0.9538 |
| Basic metals and fabricated metal | 1.1583 | 0.8591 | 0.9383 | 0.9750 | 1.0303 | 1.1195 | 1.1776 | 1.0557 |
| Machinery, nec | 1.0614 | 0.7657 | 0.8320 | 0.8550 | 0.8894 | 0.9519 | 0.9902 | 0.9031 |
| Electrical and optical equipment | 1.0332 | 0.8439 | 0.9130 | 0.9346 | 0.9682 | 1.0321 | 1.0713 | 0.9813 |
| Transport equipment | 1.1531 | 0.7507 | 0.8073 | 0.8317 | 0.8655 | 0.9260 | 0.9657 | 0.8833 |
| Manufacturing, nec; recycling | 1.1953 | 0.8820 | 0.9472 | 0.9665 | 0.9886 | 1.0475 | 1.0827 | 1.0016 |
| Electricity, gas, and water supply | 0.9027 | 0.5819 | 0.5707 | 0.6068 | 0.6500 | 0.7013 | 0.7301 | 0.6538 |
| Construction | 1.2929 | 0.9053 | 0.9438 | 0.9605 | 0.9830 | 1.0575 | 1.1035 | 0.9997 |
| Sale, maintenance, and repair | 1.1892 | 0.9606 | 0.9896 | 1.0003 | 1.0228 | 1.0725 | 1.1046 | 1.0396 |
| Wholesale trade and commission trade | 0.7170 | 0.5283 | 0.5428 | 0.5466 | 0.5594 | 0.5839 | 0.5994 | 0.5659 |
| Retail trade | 0.6978 | 0.5224 | 0.5402 | 0.5423 | 0.5533 | 0.5778 | 0.5944 | 0.5607 |
| Hotels and restaurants | 1.1185 | 0.9252 | 0.9497 | 0.9644 | 0.9723 | 1.0095 | 1.0186 | 0.9783 |
| Inland transport | 1.0656 | 0.7515 | 0.7772 | 0.7920 | 0.8112 | 0.8655 | 0.8936 | 0.8214 |
| Water transport | 1.0505 | 0.8020 | 0.8503 | 0.8762 | 0.9067 | 0.9912 | 1.0407 | 0.9299 |
| Air transport | 1.2223 | 1.0119 | 1.0577 | 1.0766 | 1.0972 | 1.1683 | 1.2033 | 1.1116 |
| Other supporting and auxiliary transport activities | 1.0370 | 0.7258 | 0.7515 | 0.7599 | 0.7743 | 0.8100 | 0.8296 | 0.7862 |
| Post and telecommunications | 0.9027 | 0.7200 | 0.7536 | 0.7683 | 0.7857 | 0.8133 | 0.8276 | 0.7914 |
| Financial intermediation | 0.5228 | 0.4004 | 0.4139 | 0.4178 | 0.4299 | 0.4436 | 0.4509 | 0.4325 |
| Real estate activities | 0.5944 | 0.4836 | 0.4909 | 0.4903 | 0.4969 | 0.5100 | 0.5179 | 0.4973 |
| Renting of M&Eq and other business activities | 0.9810 | 0.6990 | 0.7336 | 0.7392 | 0.7503 | 0.7812 | 0.8011 | 0.7603 |
| Public administration and defense; compulsory social security | 0.5797 | 0.4296 | 0.4389 | 0.4435 | 0.4586 | 0.4795 | 0.4943 | 0.4687 |
| Education | 0.7810 | 0.5734 | 0.5860 | 0.5951 | 0.6125 | 0.6388 | 0.6551 | 0.6215 |
| Health and social work | 0.7560 | 0.6064 | 0.6196 | 0.6388 | 0.6654 | 0.7041 | 0.7282 | 0.6769 |
| Other community, social, and personal services | 0.6738 | 0.4760 | 0.4950 | 0.5001 | 0.5134 | 0.5342 | 0.5456 | 0.5184 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 9.3.4: Net Interregional Multipliers (M2), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.2990 | 0.2920 | 0.2932 | 0.2907 | 0.2808 | 0.2712 | 0.2548 | 0.2655 |
| Mining and quarrying | 0.7216 | 0.7577 | 0.7471 | 0.7382 | 0.7065 | 0.6658 | 0.6178 | 0.6605 |
| Food, beverages, and tobacco | 0.6292 | 0.5909 | 0.5664 | 0.5533 | 0.5248 | 0.4959 | 0.4614 | 0.4967 |
| Textiles and textile products | 0.6295 | 0.7944 | 0.7702 | 0.7467 | 0.7032 | 0.6666 | 0.6248 | 0.6626 |
| Leather, leather products, and footwear | 0.6013 | 0.7211 | 0.6900 | 0.6698 | 0.6315 | 0.5872 | 0.5474 | 0.5883 |
| Wood and products of wood and cork | 0.5762 | 0.5272 | 0.5047 | 0.4900 | 0.4642 | 0.4333 | 0.4049 | 0.4371 |
| Pulp, paper, paper products, printing, and publishing | 0.3799 | 0.3604 | 0.3440 | 0.3320 | 0.3144 | 0.2915 | 0.2696 | 0.2903 |
| Coke, refined petroleum, and nuclear fuel | 1.0301 | 1.4637 | 1.4298 | 1.4399 | 1.3689 | 1.3706 | 1.3545 | 1.3840 |
| Chemicals and chemical products | 0.8546 | 1.1091 | 1.0855 | 1.0611 | 0.9882 | 0.9491 | 0.9238 | 0.9499 |
| Rubber and plastics | 0.6275 | 0.6755 | 0.6660 | 0.6412 | 0.5958 | 0.5630 | 0.5335 | 0.5656 |
| Other nonmetallic minerals | 0.9605 | 1.2823 | 1.2466 | 1.2367 | 1.1761 | 1.1165 | 1.0804 | 1.1411 |
| Basic metals and fabricated metal | 1.2898 | 1.3982 | 1.3551 | 1.3334 | 1.2742 | 1.1849 | 1.1213 | 1.2024 |
| Machinery, nec | 0.9393 | 1.0036 | 0.9618 | 0.9407 | 0.8937 | 0.8268 | 0.7765 | 0.8354 |
| Electrical and optical equipment | 0.8785 | 1.0427 | 0.9995 | 0.9754 | 0.9269 | 0.8576 | 0.8037 | 0.8689 |
| Transport equipment | 1.0592 | 0.9808 | 0.9467 | 0.9282 | 0.8837 | 0.8198 | 0.7753 | 0.8334 |
| Manufacturing, nec; recycling | 0.7975 | 0.8827 | 0.8493 | 0.8275 | 0.7822 | 0.7296 | 0.6860 | 0.7347 |
| Electricity, gas, and water supply | 0.6102 | 0.6989 | 0.7180 | 0.6836 | 0.6375 | 0.6022 | 0.5680 | 0.6085 |
| Construction | 0.9600 | 1.0105 | 1.0068 | 1.0020 | 0.9640 | 0.9060 | 0.8608 | 0.9108 |
| Sale, maintenance, and repair | 0.7590 | 0.7456 | 0.7309 | 0.7136 | 0.6799 | 0.6308 | 0.5797 | 0.6177 |
| Wholesale trade and commission trade | 0.4069 | 0.3732 | 0.3682 | 0.3568 | 0.3380 | 0.3133 | 0.2891 | 0.3076 |
| Retail trade | 0.4182 | 0.3773 | 0.3679 | 0.3574 | 0.3394 | 0.3134 | 0.2880 | 0.3076 |
| Hotels and restaurants | 0.4432 | 0.4037 | 0.4005 | 0.3869 | 0.3613 | 0.3419 | 0.3158 | 0.3364 |
| Inland transport | 0.5255 | 0.5602 | 0.5497 | 0.5521 | 0.5340 | 0.5556 | 0.5213 | 0.5050 |
| Water transport | 0.9590 | 1.0475 | 1.0193 | 1.0072 | 0.9628 | 0.9492 | 0.8983 | 0.9173 |
| Air transport | 0.8314 | 0.8700 | 0.8384 | 0.8311 | 0.7976 | 0.7825 | 0.7383 | 0.7509 |
| Other supporting and auxiliary transport activities | 0.5675 | 0.4737 | 0.4573 | 0.4480 | 0.4276 | 0.4021 | 0.3699 | 0.3935 |
| Post and telecommunications | 0.4522 | 0.4384 | 0.4120 | 0.3910 | 0.3634 | 0.3336 | 0.3065 | 0.3324 |
| Financial intermediation | 0.2142 | 0.1960 | 0.1861 | 0.1756 | 0.1635 | 0.1561 | 0.1423 | 0.1469 |
| Real estate activities | 0.2125 | 0.2028 | 0.1991 | 0.1922 | 0.1821 | 0.1687 | 0.1544 | 0.1634 |
| Renting of M&Eq and other business activities | 0.5185 | 0.4689 | 0.4472 | 0.4378 | 0.4170 | 0.3853 | 0.3527 | 0.3798 |
| Public administration and defense; compulsory social security | 0.3193 | 0.2887 | 0.2888 | 0.2797 | 0.2656 | 0.2481 | 0.2259 | 0.2382 |
| Education | 0.4096 | 0.3689 | 0.3670 | 0.3531 | 0.3315 | 0.3082 | 0.2838 | 0.3048 |
| Health and social work | 0.5715 | 0.5684 | 0.5816 | 0.5546 | 0.5153 | 0.4813 | 0.4519 | 0.4856 |
| Other community, social, and personal services | 0.3473 | 0.3098 | 0.3026 | 0.2911 | 0.2744 | 0.2551 | 0.2341 | 0.2507 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 9.3-5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0010 | 0.0008 | 0.0009 | 0.0009 | 0.0009 | 0.0008 | 0.0008 | 0.0009 |
| Mining and quarrying | 0.0026 | 0.0023 | 0.0025 | 0.0025 | 0.0023 | 0.0022 | 0.0021 | 0.0025 |
| Food, beverages, and tobacco | 0.0019 | 0.0017 | 0.0018 | 0.0018 | 0.0017 | 0.0016 | 0.0015 | 0.0018 |
| Textiles and textile products | 0.0022 | 0.0024 | 0.0026 | 0.0025 | 0.0023 | 0.0022 | 0.0021 | 0.0024 |
| Leather, leather products, and footwear | 0.0022 | 0.0024 | 0.0025 | 0.0024 | 0.0022 | 0.0021 | 0.0020 | 0.0023 |
| Wood and products of wood and cork | 0.0020 | 0.0017 | 0.0018 | 0.0018 | 0.0016 | 0.0015 | 0.0014 | 0.0017 |
| Pulp, paper, paper products, printing, and publishing | 0.0012 | 0.0010 | 0.0011 | 0.0011 | 0.0010 | 0.0009 | 0.0009 | 0.0010 |
| Coke, refined petroleum, and nuclear fuel | 0.0027 | 0.0026 | 0.0029 | 0.0030 | 0.0028 | 0.0029 | 0.0031 | 0.0033 |
| Chemicals and chemical products | 0.0025 | 0.0025 | 0.0027 | 0.0027 | 0.0025 | 0.0024 | 0.0025 | 0.0027 |
| Rubber and plastics | 0.0020 | 0.0019 | 0.0020 | 0.0020 | 0.0018 | 0.0017 | 0.0017 | 0.0020 |
| Other nonmetallic minerals | 0.0028 | 0.0026 | 0.0028 | 0.0029 | 0.0027 | 0.0026 | 0.0028 | 0.0030 |
| Basic metals and fabricated metal | 0.0057 | 0.0052 | 0.0056 | 0.0057 | 0.0051 | 0.0048 | 0.0047 | 0.0054 |
| Machinery, nec | 0.0038 | 0.0034 | 0.0036 | 0.0036 | 0.0033 | 0.0031 | 0.0030 | 0.0034 |
| Electrical and optical equipment | 0.0035 | 0.0034 | 0.0037 | 0.0037 | 0.0033 | 0.0031 | 0.0030 | 0.0034 |
| Transport equipment | 0.0046 | 0.0036 | 0.0038 | 0.0038 | 0.0035 | 0.0032 | 0.0032 | 0.0036 |
| Manufacturing, nec; recycling | 0.0030 | 0.0028 | 0.0029 | 0.0029 | 0.0027 | 0.0025 | 0.0024 | 0.0028 |
| Electricity, gas, and water supply | 0.0020 | 0.0017 | 0.0019 | 0.0018 | 0.0017 | 0.0016 | 0.0016 | 0.0019 |
| Construction | 0.0037 | 0.0030 | 0.0033 | 0.0034 | 0.0031 | 0.0030 | 0.0030 | 0.0034 |
| Sale, maintenance, and repair | 0.0028 | 0.0024 | 0.0026 | 0.0026 | 0.0025 | 0.0023 | 0.0021 | 0.0025 |
| Wholesale trade and commission trade | 0.0015 | 0.0012 | 0.0013 | 0.0013 | 0.0012 | 0.0011 | 0.0010 | 0.0012 |
| Retail trade | 0.0015 | 0.0012 | 0.0013 | 0.0013 | 0.0012 | 0.0011 | 0.0010 | 0.0012 |
| Hotels and restaurants | 0.0014 | 0.0011 | 0.0012 | 0.0012 | 0.0011 | 0.0010 | 0.0010 | 0.0012 |
| Inland transport | 0.0017 | 0.0014 | 0.0016 | 0.0016 | 0.0015 | 0.0015 | 0.0014 | 0.0016 |
| Water transport | 0.0032 | 0.0032 | 0.0032 | 0.0033 | 0.0031 | 0.0030 | 0.0029 | 0.0034 |
| Air transport | 0.0029 | 0.0028 | 0.0028 | 0.0029 | 0.0028 | 0.0027 | 0.0025 | 0.0029 |
| Other supporting and auxiliary transport activities | 0.0019 | 0.0014 | 0.0015 | 0.0015 | 0.0015 | 0.0014 | 0.0013 | 0.0015 |
| Post and telecommunications | 0.0016 | 0.0013 | 0.0014 | 0.0013 | 0.0012 | 0.0011 | 0.0010 | 0.0012 |
| Financial intermediation | 0.0007 | 0.0006 | 0.0006 | 0.0006 | 0.0005 | 0.0005 | 0.0004 | 0.0005 |
| Real estate activities | 0.0007 | 0.0005 | 0.0006 | 0.0006 | 0.0005 | 0.0005 | 0.0005 | 0.0005 |
| Renting of M&Eq and other business activities | 0.0018 | 0.0014 | 0.0015 | 0.0015 | 0.0014 | 0.0013 | 0.0012 | 0.0014 |
| Public administration and defense; compulsory social security | 0.0012 | 0.0009 | 0.0010 | 0.0010 | 0.0009 | 0.0008 | 0.0008 | 0.0009 |
| Education | 0.0014 | 0.0011 | 0.0012 | 0.0012 | 0.0011 | 0.0010 | 0.0009 | 0.0011 |
| Health and social work | 0.0022 | 0.0018 | 0.0021 | 0.0020 | 0.0017 | 0.0016 | 0.0016 | 0.0018 |
| Other community, social, and personal services | 0.0012 | 0.0009 | 0.0010 | 0.0010 | 0.0009 | 0.0008 | 0.0008 | 0.0009 |
| Private households with employed persons | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 9.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | |
| Primary | 4,914 | 4,256 | 11,575 | 10,020 | 11,001 | 9,569 | 11,511 | 10,046 | 11,098 | 9,691 | 9,445 | 8,293 | 8,859 | 7,857 | 8,859 | 7,857 | 9,604 |
| Low tech | 32,144 | 23,748 | 39,059 | 28,714 | 42,051 | 31,377 | 43,586 | 32,921 | 42,395 | 32,597 | 41,457 | 32,425 | 40,832 | 32,541 | 48,401 | 48,401 | 37,882 |
| High and medium tech | 79,186 | 43,923 | 87,858 | 42,193 | 92,731 | 47,706 | 91,952 | 47,386 | 94,943 | 50,984 | 92,840 | 52,520 | 91,441 | 53,859 | 110,470 | 110,470 | 61,398 |
| Utilities | 121 | 90 | 145 | 99 | 154 | 104 | 585 | 406 | 203 | 145 | 201 | 148 | 192 | 145 | 222 | 222 | 164 |
| Construction | 1 | 0 | 1 | 1 | 3 | 2 | 427 | 254 | 58 | 35 | 62 | 40 | 60 | 40 | 69 | 69 | 44 |
| Trade and repair services | 15,286 | 12,681 | 22,955 | 19,379 | 24,858 | 21,089 | 27,237 | 23,253 | 28,834 | 24,847 | 29,558 | 25,776 | 31,743 | 28,002 | 39,592 | 39,592 | 34,598 |
| Tourism | 4,532 | 3,686 | 6,418 | 5,337 | 7,276 | 6,075 | 8,961 | 7,541 | 9,919 | 8,452 | 10,242 | 8,811 | 19,975 | 17,397 | 25,630 | 25,630 | 22,100 |
| Transport services | 7,295 | 5,394 | 9,848 | 7,126 | 10,799 | 7,939 | 12,516 | 9,206 | 13,339 | 9,926 | 13,727 | 10,160 | 9,637 | 7,307 | 11,890 | 11,890 | 9,024 |
| ICT services | 1,368 | 1,104 | 2,032 | 1,651 | 2,444 | 2,018 | 3,029 | 2,531 | 3,350 | 2,841 | 3,829 | 3,295 | 2,688 | 2,341 | 3,280 | 3,280 | 2,823 |
| Finance and insurance services | 312 | 283 | 531 | 486 | 636 | 585 | 870 | 804 | 877 | 815 | 906 | 844 | 909 | 852 | 1,101 | 1,101 | 1,030 |
| Property services | 3,056 | 2,400 | 4,673 | 3,769 | 5,735 | 4,689 | 6,459 | 5,315 | 6,476 | 5,383 | 6,125 | 5,170 | 6,323 | 5,414 | 7,505 | 7,505 | 6,345 |
| Public and welfare services | 4,016 | 3,389 | 4,458 | 3,789 | 5,069 | 4,330 | 6,508 | 5,602 | 6,626 | 5,760 | 6,610 | 5,805 | 6,832 | 6,075 | 8,275 | 8,275 | 7,292 |
| Services provided by private households | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |

\$ = United States dollar, ICT = information and communication technology.

Note: “VAX_G” refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 9.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 0.297 | 0.631 | 0.502 | 0.789 | 0.446 | 0.739 | 0.467 | 0.767 | 0.469 | 0.790 | 0.454 | 0.755 | 0.427 | 0.728 | 0.413 | 0.725 |
| Low tech | 1.464 | 1.627 | 1.454 | 1.531 | 1.471 | 1.526 | 1.399 | 1.472 | 1.307 | 1.384 | 1.288 | 1.367 | 1.246 | 1.332 | 1.209 | 1.306 |
| High and medium tech | 1.111 | 1.017 | 0.991 | 0.853 | 0.986 | 0.899 | 0.935 | 0.825 | 0.945 | 0.835 | 0.931 | 0.840 | 0.909 | 0.808 | 0.899 | 0.772 |
| Utilities | 0.177 | 1.393 | 0.171 | 1.219 | 0.167 | 1.162 | 0.591 | 1.288 | 0.198 | 1.339 | 0.192 | 1.355 | 0.144 | 1.296 | 0.165 | 1.246 |
| Construction | 0.001 | 0.040 | 0.002 | 0.031 | 0.003 | 0.032 | 0.371 | 0.117 | 0.051 | 0.045 | 0.054 | 0.050 | 0.044 | 0.050 | 0.049 | 0.041 |
| Trade and repair services | 1.283 | 1.657 | 1.566 | 1.780 | 1.539 | 1.694 | 1.628 | 1.709 | 1.683 | 1.688 | 1.714 | 1.703 | 1.792 | 1.803 | 1.848 | 1.842 |
| Tourism | 2.822 | 1.777 | 3.206 | 2.185 | 3.466 | 2.214 | 3.958 | 2.494 | 4.193 | 2.612 | 4.417 | 2.638 | 7.392 | 4.693 | 8.910 | 5.424 |
| Transport services | 0.804 | 0.807 | 0.931 | 0.884 | 0.941 | 0.863 | 1.059 | 0.900 | 1.098 | 0.907 | 1.129 | 0.924 | 0.787 | 0.648 | 0.795 | 0.657 |
| ICT services | 1.339 | 0.972 | 1.704 | 1.039 | 1.742 | 1.114 | 2.066 | 1.249 | 2.213 | 1.331 | 2.534 | 1.514 | 1.662 | 0.978 | 1.572 | 0.864 |
| Finance and insurance services | 0.067 | 0.720 | 0.096 | 0.750 | 0.108 | 0.762 | 0.136 | 0.828 | 0.132 | 0.859 | 0.135 | 0.888 | 0.127 | 0.922 | 0.132 | 0.984 |
| Property services | 0.307 | 0.528 | 0.385 | 0.595 | 0.443 | 0.630 | 0.445 | 0.615 | 0.420 | 0.597 | 0.387 | 0.558 | 0.380 | 0.554 | 0.368 | 0.542 |
| Public and welfare services | 1.412 | 0.933 | 1.348 | 0.920 | 1.389 | 0.940 | 1.587 | 1.045 | 1.598 | 1.011 | 1.543 | 0.972 | 1.470 | 0.970 | 1.630 | 0.994 |
| Services provided by private households | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

ICT = information and communication technology.

Note: “VAX_G” refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

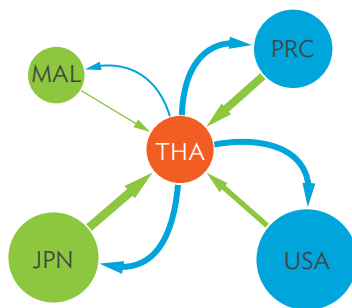
Source: Asian Development Bank Multi-Regional Input-Output Database.

9.4

GLOBAL VALUE CHAIN INDICATORS

Thailand

Figure 9.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



● Economy in focus ● Import partner ● Export partner

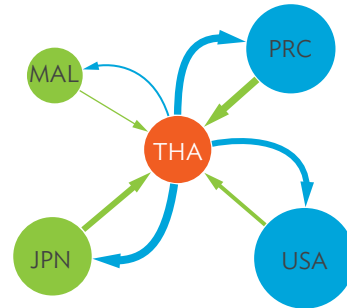
JPN = Japan, MAL = Malaysia, PRC = People's Republic of China, THA = Thailand, USA = United States.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 9.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



● Economy in focus ● Import partner ● Export partner

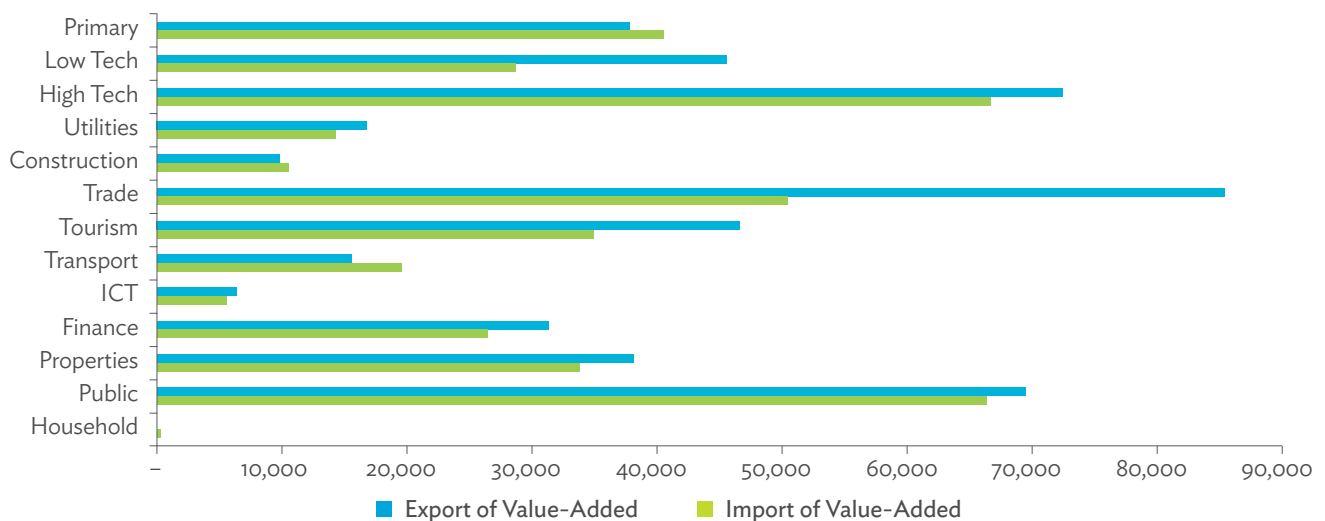
JPN = Japan, MAL = Malaysia, PRC = People's Republic of China, THA = Thailand, USA = United States.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 9.4.2: Trade in Value-Added by Industry, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

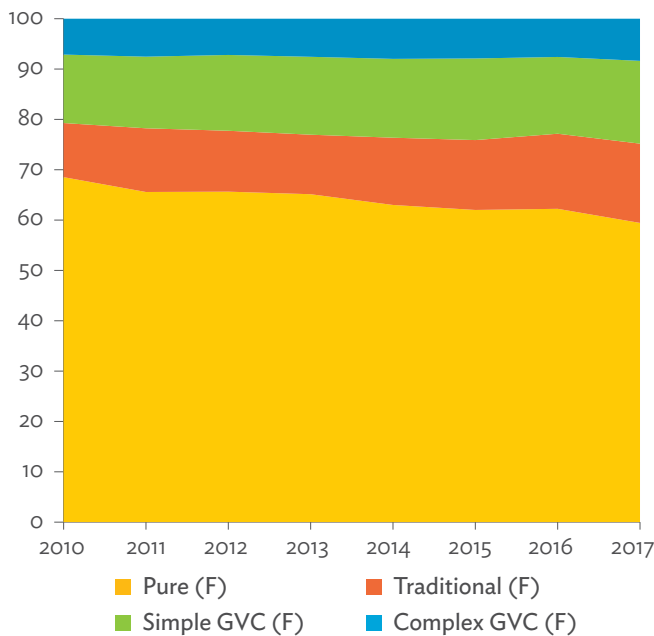
Figure 9.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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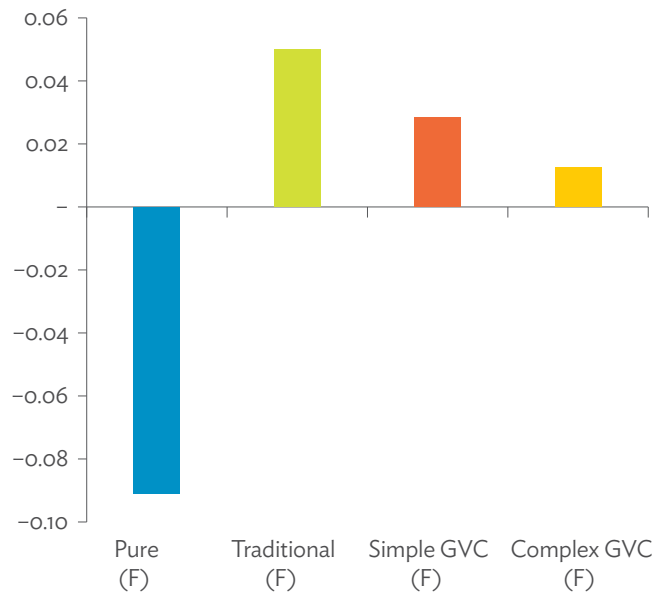
Figure 9.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

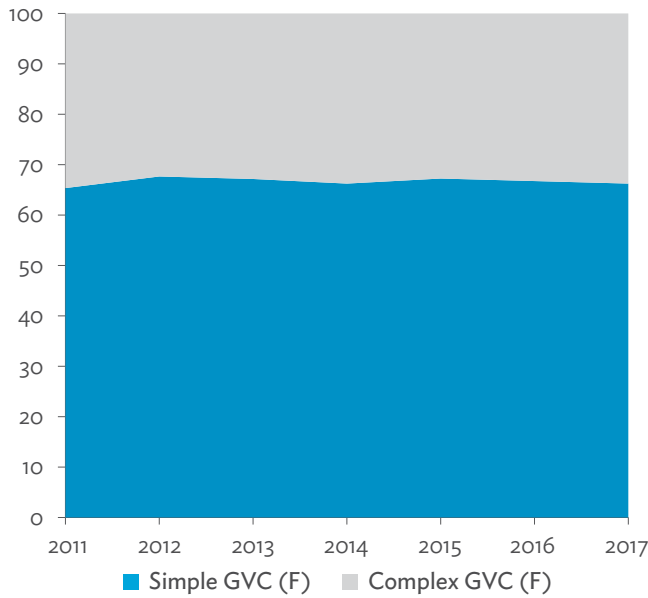
Figure 9.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

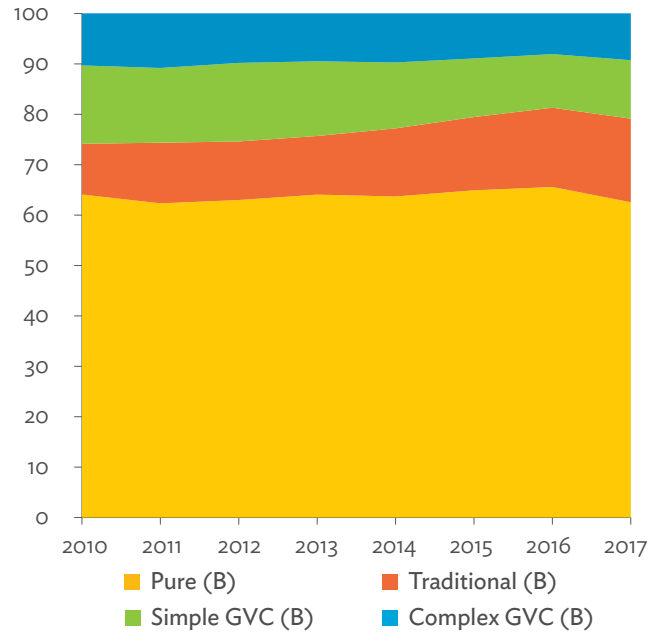
Figure 9.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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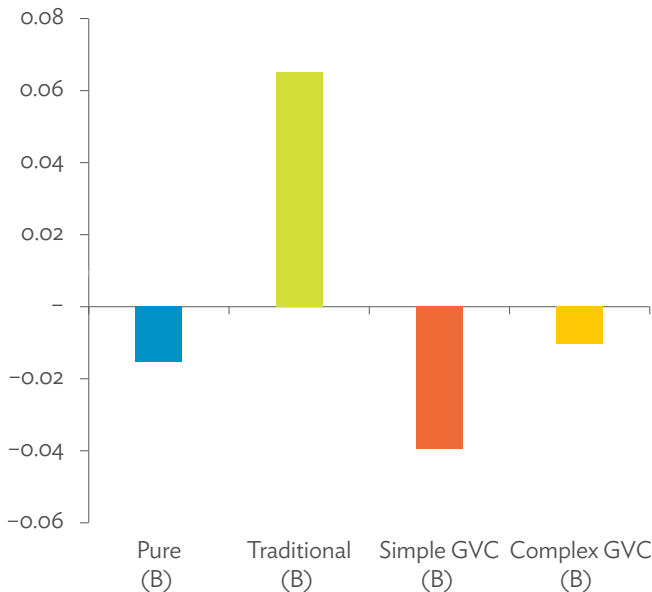
Figure 9.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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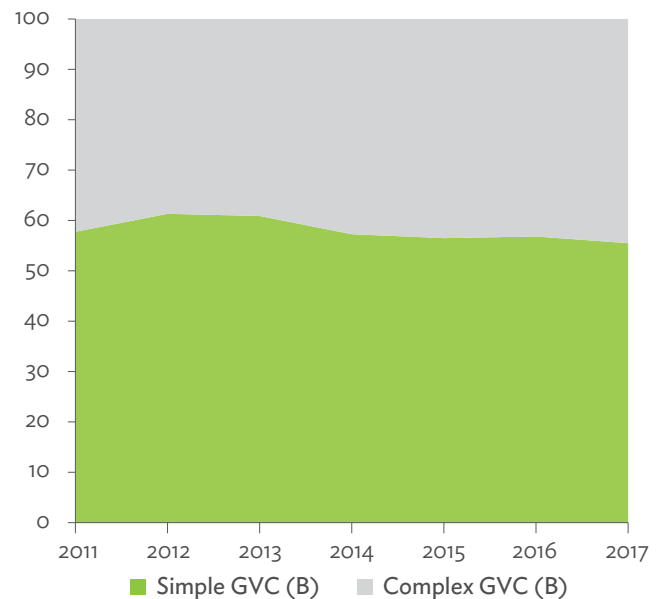
Figure 9.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

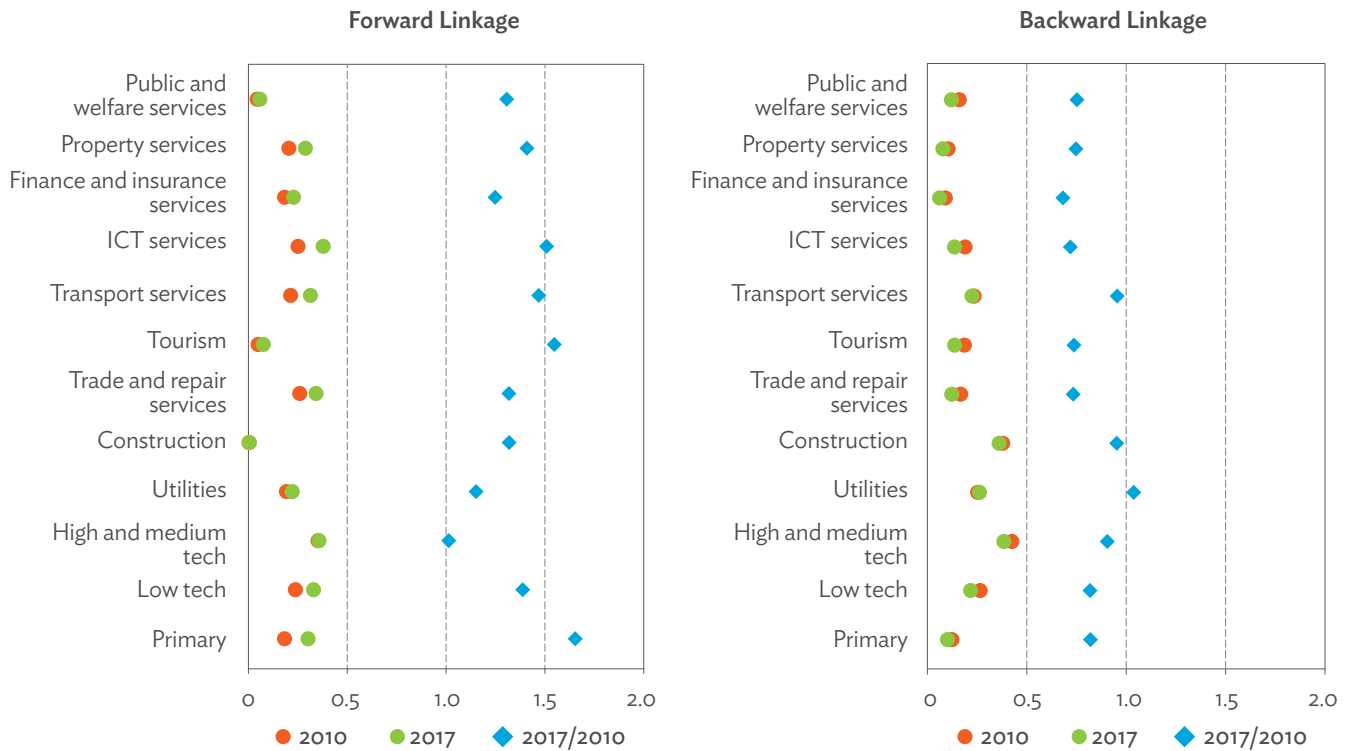
Figure 9.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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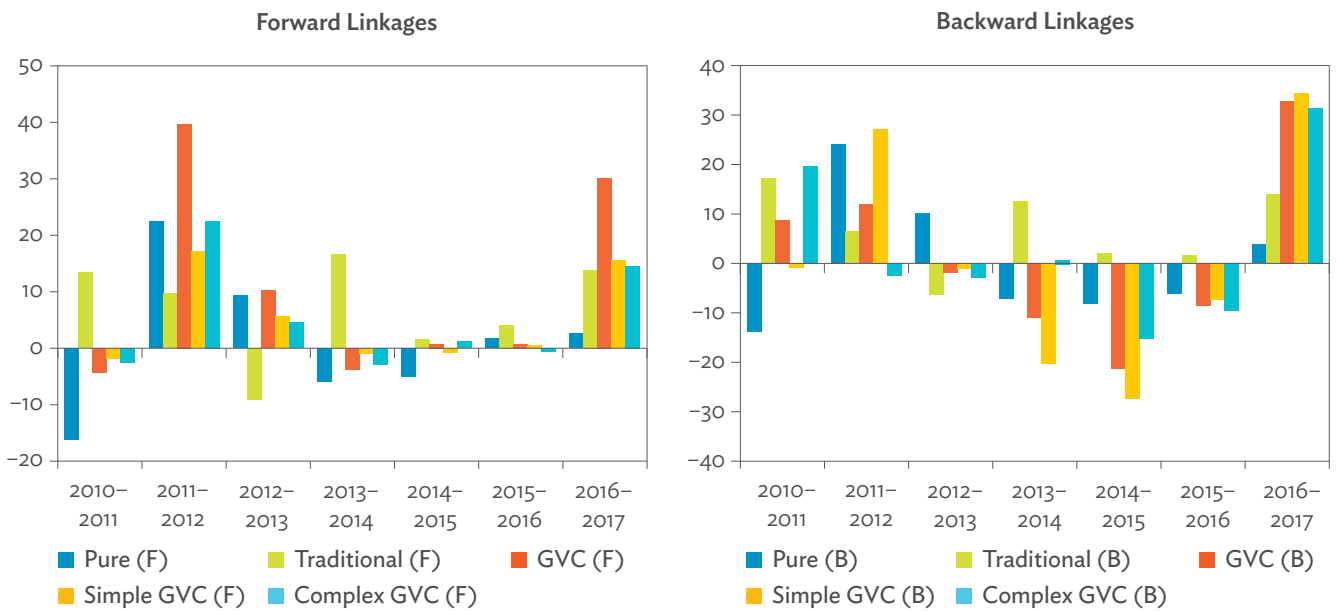
Figure 9.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 9.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

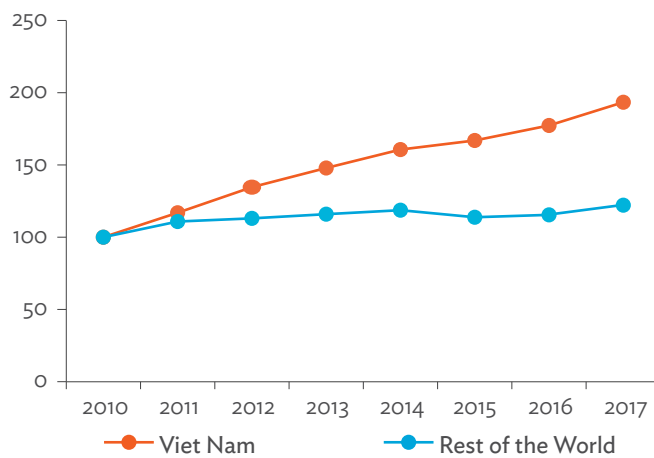
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10.1

OVERVIEW OF PRODUCTION AND DEMAND STRUCTURES

Viet Nam

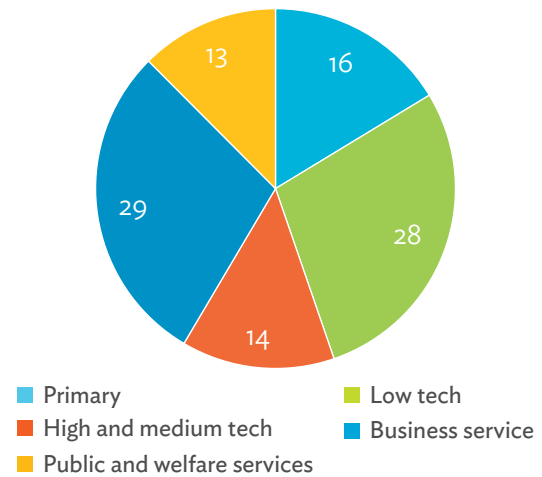
Figure 10.1.1a: Gross Domestic Product Scaled to 2010 Levels in Comparison with the Rest of the World, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

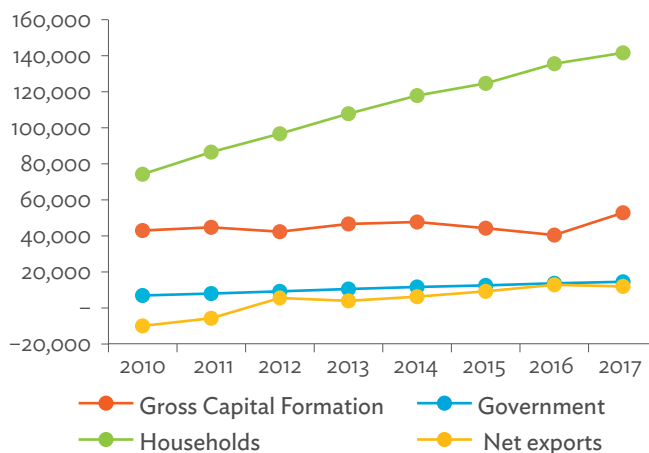
Figure 10.1.1b: Gross Domestic Product Share by 5-Sector Aggregation, 2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

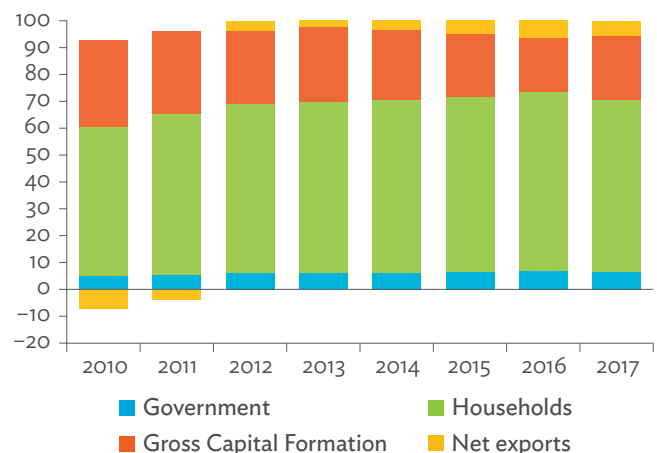
Figure 10.1.2a: Gross Domestic Product Trend by Final Consumption Expenditure Components, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

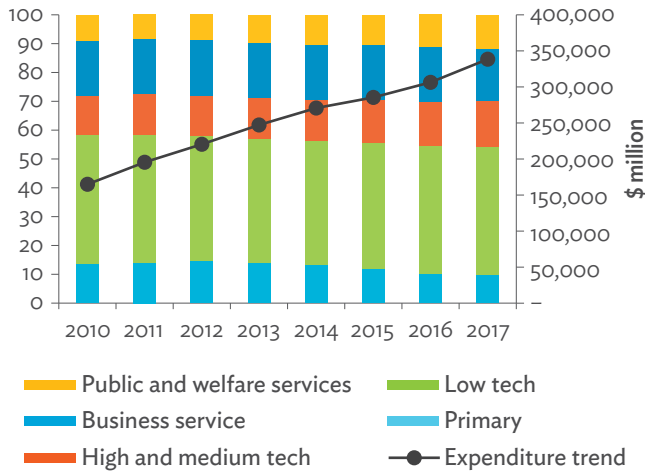
Figure 10.1.2b: Share of Consumption Expenditure by Final Consumption Expenditure Components, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

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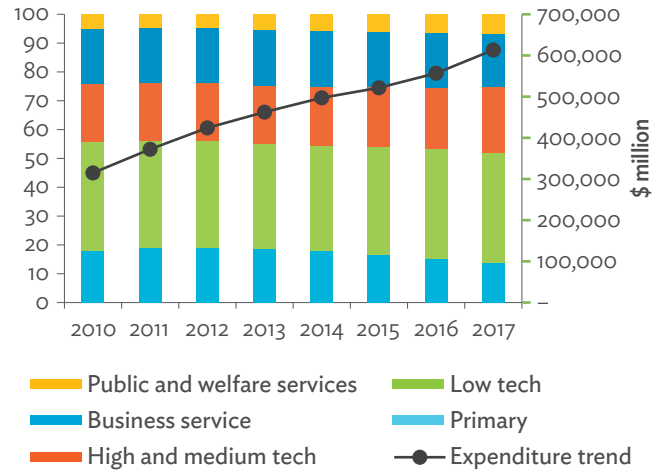
Figure 10.1.2c: Final Consumption Expenditure Total Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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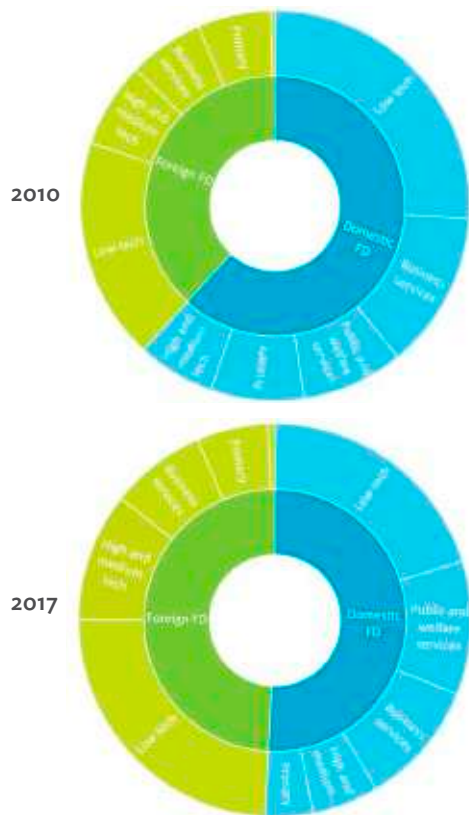
Figure 10.1.3a: Gross Total Output Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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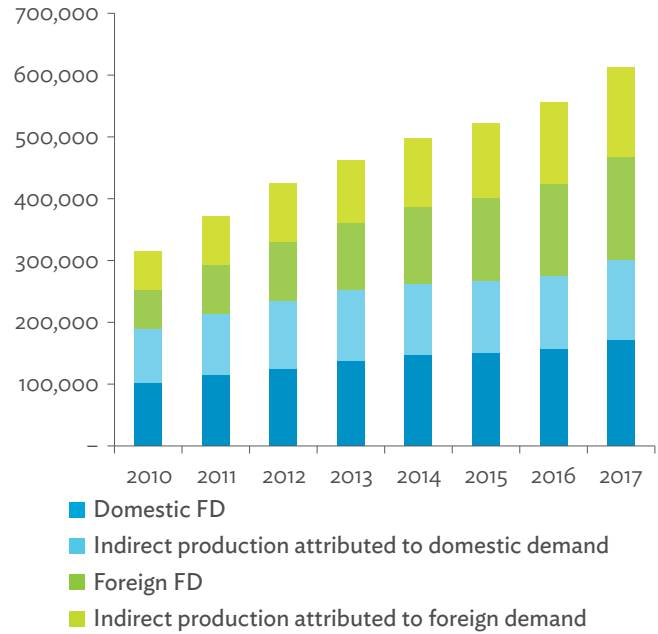
Figure 10.1.3b: Shares by 5-Sector Aggregation Attributed to Foreign and Domestic Final Demand, 2010 and 2017 (%)



FD=final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

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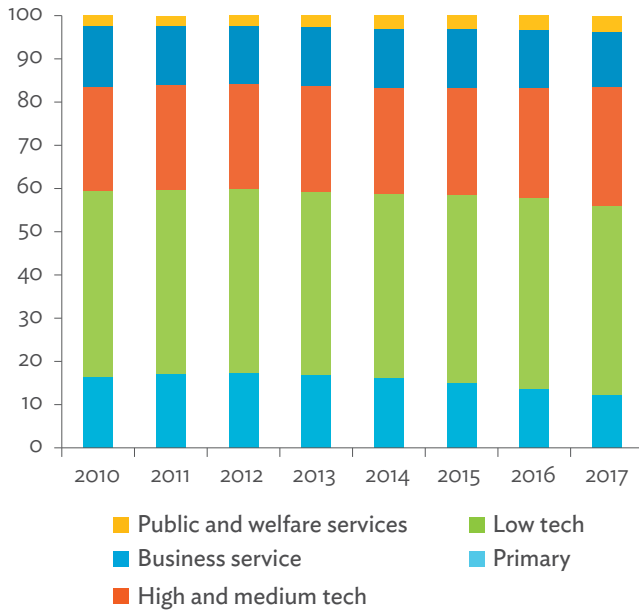
Figure 10.1.3c: Gross Output by Production Attributed to Foreign and Domestic Demand, 2010–2017 (\$ million)



\$ = United States dollar, FD = final demand.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

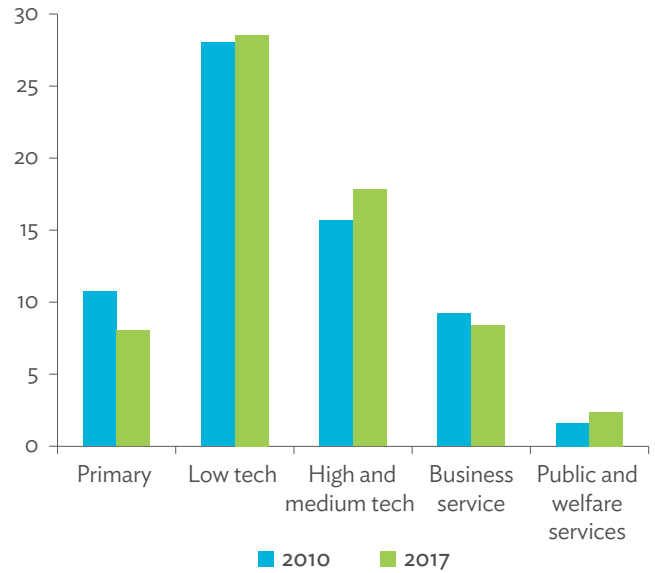
Figure 10.1.4a: Intermediate Consumption Shares by 5-Sector Aggregation, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

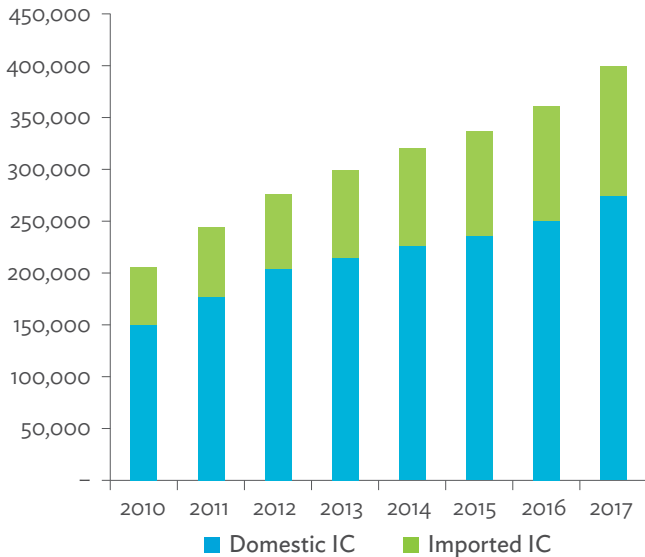
Figure 10.1.4b: Intermediate Consumption Ratio to Output by 5-Sector Aggregation, 2010 and 2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.1.4c: Shares of Domestic and Imported Intermediate Consumption, 2010–2017 (\$ million)

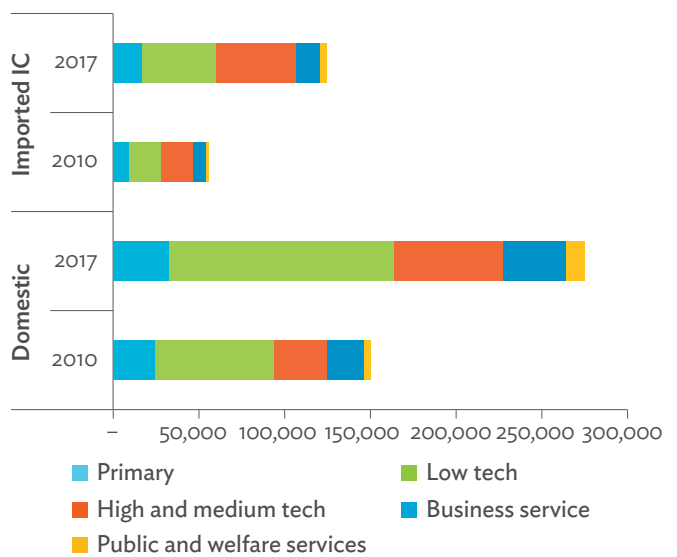


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.1.4d: Shares of Domestic and Imported Intermediate Consumption by 5-Sector Aggregation, 2010 and 2017 (\$ million)

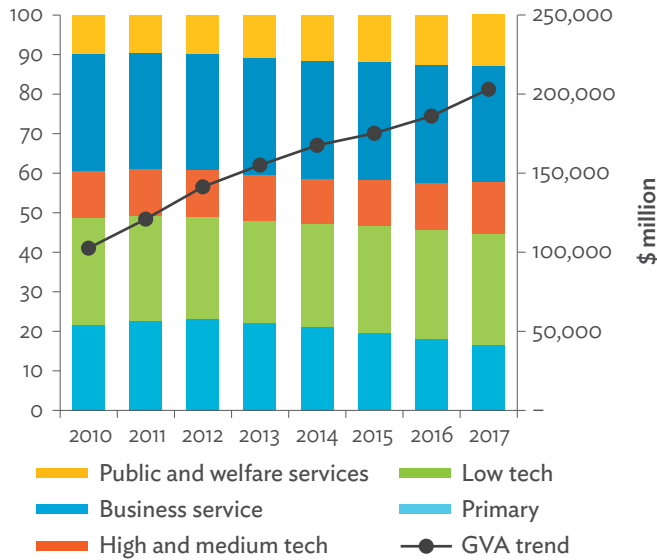


\$ = United States dollar, IC = intermediate consumption.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

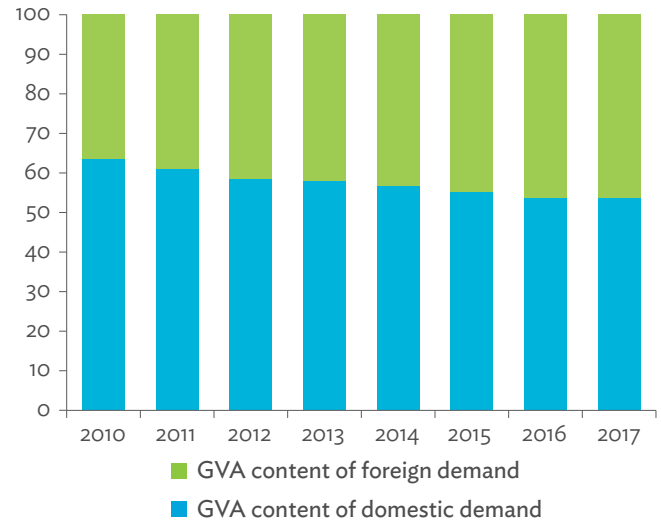
Figure 10.1.5a: Gross Value Added Trend and Shares by 5-Sector Aggregation, 2010–2017 (% and \$ million)



\$ = United States dollar, GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

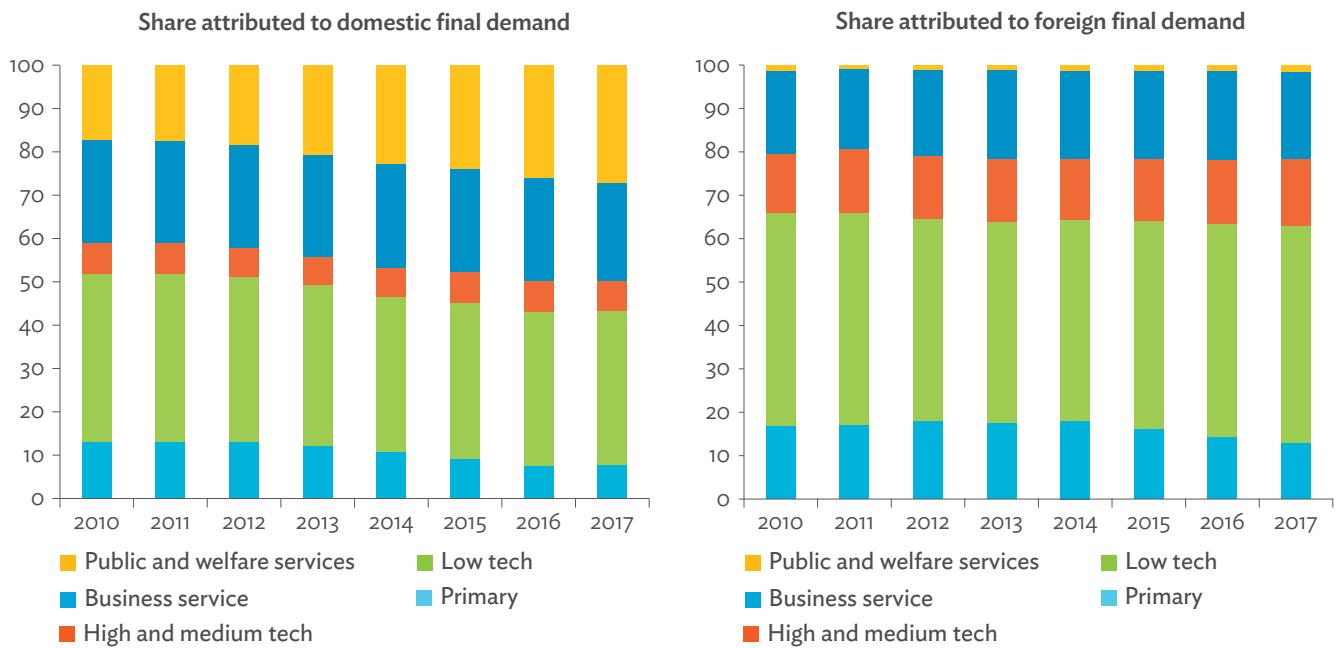
Figure 10.1.5b: Gross Value Added Share Attributed to Foreign and Domestic Final Demand, 2010–2017 (%)



GVA = gross value added.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Figure 10.1.5c: Sectoral Shares of Gross Value Added Content in Domestic and Foreign Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

Table 10.1.1: Gross Value Added Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.668 | 0.669 | 0.683 | 0.664 | 0.651 | 0.646 | 0.640 | 0.635 |
| Mining and quarrying | 0.608 | 0.601 | 0.644 | 0.626 | 0.613 | 0.606 | 0.598 | 0.592 |
| Food, beverages, and tobacco | 0.610 | 0.611 | 0.629 | 0.612 | 0.601 | 0.596 | 0.590 | 0.585 |
| Textiles and textile products | 0.600 | 0.573 | 0.591 | 0.576 | 0.568 | 0.563 | 0.559 | 0.557 |
| Leather, leather products, and footwear | 0.679 | 0.662 | 0.677 | 0.664 | 0.656 | 0.653 | 0.648 | 0.644 |
| Wood and products of wood and cork | 0.594 | 0.594 | 0.613 | 0.595 | 0.584 | 0.579 | 0.572 | 0.567 |
| Pulp, paper, paper products, printing, and publishing | 0.562 | 0.553 | 0.579 | 0.562 | 0.552 | 0.548 | 0.542 | 0.538 |
| Coke, refined petroleum, and nuclear fuel | 0.412 | 0.438 | 0.468 | 0.438 | 0.419 | 0.409 | 0.395 | 0.382 |
| Chemicals and chemical products | 0.497 | 0.489 | 0.512 | 0.492 | 0.481 | 0.473 | 0.466 | 0.461 |
| Rubber and plastics | 0.456 | 0.454 | 0.473 | 0.453 | 0.442 | 0.434 | 0.427 | 0.423 |
| Other nonmetallic minerals | 0.628 | 0.633 | 0.657 | 0.644 | 0.636 | 0.634 | 0.629 | 0.625 |
| Basic metals and fabricated metal | 0.428 | 0.427 | 0.444 | 0.423 | 0.412 | 0.405 | 0.397 | 0.391 |
| Machinery, nec | 0.449 | 0.443 | 0.460 | 0.440 | 0.429 | 0.422 | 0.414 | 0.410 |
| Electrical and optical equipment | 0.407 | 0.408 | 0.424 | 0.406 | 0.395 | 0.387 | 0.380 | 0.377 |
| Transport equipment | 0.441 | 0.445 | 0.463 | 0.443 | 0.431 | 0.421 | 0.410 | 0.408 |
| Manufacturing, nec; recycling | 0.579 | 0.576 | 0.594 | 0.577 | 0.566 | 0.560 | 0.553 | 0.547 |
| Electricity, gas, and water supply | 0.855 | 0.851 | 0.863 | 0.864 | 0.866 | 0.865 | 0.863 | 0.863 |
| Construction | 0.566 | 0.580 | 0.590 | 0.571 | 0.558 | 0.551 | 0.544 | 0.539 |
| Sale, maintenance, and repair | 0.701 | 0.686 | 0.723 | 0.716 | 0.712 | 0.708 | 0.704 | 0.699 |
| Wholesale trade and commission trade | 0.820 | 0.806 | 0.839 | 0.835 | 0.833 | 0.831 | 0.828 | 0.826 |
| Retail trade | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Hotels and restaurants | 0.662 | 0.662 | 0.684 | 0.671 | 0.663 | 0.659 | 0.653 | 0.648 |
| Inland transport | 0.535 | 0.539 | 0.560 | 0.542 | 0.531 | 0.524 | 0.516 | 0.510 |
| Water transport | 0.486 | 0.487 | 0.512 | 0.486 | 0.470 | 0.462 | 0.451 | 0.443 |
| Air transport | 0.469 | 0.468 | 0.495 | 0.472 | 0.459 | 0.449 | 0.439 | 0.432 |
| Other supporting and auxiliary transport activities | 0.790 | 0.784 | 0.804 | 0.795 | 0.789 | 0.784 | 0.779 | 0.776 |
| Post and telecommunications | 0.620 | 0.607 | 0.629 | 0.615 | 0.605 | 0.600 | 0.594 | 0.590 |
| Financial intermediation | 0.827 | 0.782 | 0.839 | 0.832 | 0.827 | 0.826 | 0.823 | 0.821 |
| Real estate activities | 0.873 | 0.873 | 0.880 | 0.874 | 0.870 | 0.866 | 0.862 | 0.860 |
| Renting of M&Eq and other business activities | 0.773 | 0.761 | 0.789 | 0.782 | 0.777 | 0.775 | 0.771 | 0.769 |
| Public administration and defense; compulsory social security | 0.875 | 0.870 | 0.884 | 0.881 | 0.879 | 0.877 | 0.875 | 0.874 |
| Education | 0.906 | 0.902 | 0.917 | 0.916 | 0.916 | 0.915 | 0.914 | 0.913 |
| Health and social work | 0.589 | 0.580 | 0.608 | 0.634 | 0.648 | 0.644 | 0.639 | 0.637 |
| Other community, social, and personal services | 0.756 | 0.750 | 0.769 | 0.763 | 0.759 | 0.757 | 0.753 | 0.751 |
| Private households with employed persons | 0.948 | 0.947 | 0.951 | 0.949 | 0.949 | 0.948 | 0.947 | 0.947 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 10.1.2: Import Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 0.300 | 0.302 | 0.292 | 0.311 | 0.323 | 0.329 | 0.334 | 0.338 |
| Mining and quarrying | 0.358 | 0.369 | 0.332 | 0.350 | 0.361 | 0.368 | 0.373 | 0.376 |
| Food, beverages, and tobacco | 0.346 | 0.349 | 0.336 | 0.354 | 0.363 | 0.370 | 0.377 | 0.380 |
| Textiles and textile products | 0.353 | 0.386 | 0.374 | 0.388 | 0.395 | 0.403 | 0.409 | 0.413 |
| Leather, leather products, and footwear | 0.281 | 0.303 | 0.292 | 0.305 | 0.311 | 0.318 | 0.324 | 0.330 |
| Wood and products of wood and cork | 0.361 | 0.367 | 0.352 | 0.370 | 0.379 | 0.387 | 0.394 | 0.398 |
| Pulp, paper, paper products, printing, and publishing | 0.387 | 0.402 | 0.381 | 0.397 | 0.405 | 0.414 | 0.421 | 0.424 |
| Coke, refined petroleum, and nuclear fuel | 0.529 | 0.508 | 0.485 | 0.515 | 0.533 | 0.545 | 0.559 | 0.574 |
| Chemicals and chemical products | 0.460 | 0.473 | 0.455 | 0.475 | 0.484 | 0.495 | 0.502 | 0.510 |
| Rubber and plastics | 0.501 | 0.507 | 0.493 | 0.513 | 0.522 | 0.533 | 0.541 | 0.549 |
| Other nonmetallic minerals | 0.326 | 0.325 | 0.307 | 0.320 | 0.326 | 0.331 | 0.336 | 0.339 |
| Basic metals and fabricated metal | 0.541 | 0.545 | 0.531 | 0.552 | 0.563 | 0.572 | 0.581 | 0.589 |
| Machinery, nec | 0.512 | 0.523 | 0.510 | 0.529 | 0.539 | 0.550 | 0.558 | 0.563 |
| Electrical and optical equipment | 0.538 | 0.542 | 0.531 | 0.550 | 0.559 | 0.571 | 0.580 | 0.587 |
| Transport equipment | 0.480 | 0.482 | 0.472 | 0.492 | 0.501 | 0.516 | 0.527 | 0.536 |
| Manufacturing, nec; recycling | 0.381 | 0.387 | 0.374 | 0.392 | 0.401 | 0.409 | 0.417 | 0.423 |
| Electricity, gas, and water supply | 0.127 | 0.132 | 0.122 | 0.122 | 0.120 | 0.123 | 0.125 | 0.125 |
| Construction | 0.397 | 0.384 | 0.377 | 0.397 | 0.408 | 0.418 | 0.425 | 0.431 |
| Sale, maintenance, and repair | 0.247 | 0.269 | 0.240 | 0.247 | 0.250 | 0.256 | 0.261 | 0.266 |
| Wholesale trade and commission trade | 0.136 | 0.155 | 0.129 | 0.133 | 0.134 | 0.139 | 0.142 | 0.144 |
| Retail trade | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Hotels and restaurants | 0.293 | 0.297 | 0.280 | 0.293 | 0.299 | 0.306 | 0.311 | 0.317 |
| Inland transport | 0.428 | 0.427 | 0.409 | 0.428 | 0.438 | 0.446 | 0.454 | 0.460 |
| Water transport | 0.472 | 0.474 | 0.454 | 0.480 | 0.495 | 0.504 | 0.514 | 0.523 |
| Air transport | 0.492 | 0.496 | 0.473 | 0.496 | 0.508 | 0.520 | 0.529 | 0.536 |
| Other supporting and auxiliary transport activities | 0.176 | 0.186 | 0.170 | 0.178 | 0.182 | 0.188 | 0.193 | 0.196 |
| Post and telecommunications | 0.321 | 0.331 | 0.314 | 0.327 | 0.334 | 0.344 | 0.350 | 0.353 |
| Financial intermediation | 0.135 | 0.184 | 0.130 | 0.136 | 0.140 | 0.144 | 0.147 | 0.148 |
| Real estate activities | 0.097 | 0.098 | 0.094 | 0.099 | 0.101 | 0.106 | 0.110 | 0.111 |
| Renting of M&Eq and other business activities | 0.185 | 0.201 | 0.177 | 0.184 | 0.187 | 0.192 | 0.196 | 0.197 |
| Public administration and defense; compulsory social security | 0.107 | 0.113 | 0.101 | 0.104 | 0.106 | 0.109 | 0.111 | 0.112 |
| Education | 0.071 | 0.078 | 0.067 | 0.068 | 0.068 | 0.070 | 0.072 | 0.073 |
| Health and social work | 0.385 | 0.395 | 0.370 | 0.345 | 0.331 | 0.337 | 0.343 | 0.347 |
| Other community, social, and personal services | 0.200 | 0.208 | 0.194 | 0.201 | 0.203 | 0.208 | 0.212 | 0.214 |
| Private households with employed persons | 0.046 | 0.048 | 0.044 | 0.046 | 0.046 | 0.047 | 0.048 | 0.049 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 10.1.3: Output Multipliers

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.958 | 1.950 | 1.969 | 1.903 | 1.856 | 1.841 | 1.828 | 1.822 |
| Mining and quarrying | 1.570 | 1.536 | 1.576 | 1.524 | 1.490 | 1.476 | 1.461 | 1.462 |
| Food, beverages, and tobacco | 2.512 | 2.501 | 2.530 | 2.466 | 2.422 | 2.411 | 2.401 | 2.395 |
| Textiles and textile products | 2.008 | 1.924 | 1.949 | 1.893 | 1.859 | 1.841 | 1.823 | 1.822 |
| Leather, leather products, and footwear | 2.022 | 1.973 | 1.994 | 1.948 | 1.920 | 1.907 | 1.892 | 1.889 |
| Wood and products of wood and cork | 2.551 | 2.548 | 2.581 | 2.516 | 2.473 | 2.460 | 2.447 | 2.439 |
| Pulp, paper, paper products, printing, and publishing | 2.228 | 2.199 | 2.242 | 2.186 | 2.150 | 2.134 | 2.118 | 2.107 |
| Coke, refined petroleum, and nuclear fuel | 1.954 | 2.000 | 2.039 | 1.964 | 1.917 | 1.904 | 1.897 | 1.923 |
| Chemicals and chemical products | 1.859 | 1.841 | 1.872 | 1.810 | 1.772 | 1.754 | 1.738 | 1.738 |
| Rubber and plastics | 1.888 | 1.888 | 1.918 | 1.851 | 1.812 | 1.790 | 1.769 | 1.767 |
| Other nonmetallic minerals | 1.847 | 1.857 | 1.884 | 1.841 | 1.814 | 1.803 | 1.795 | 1.801 |
| Basic metals and fabricated metal | 1.737 | 1.739 | 1.763 | 1.698 | 1.660 | 1.637 | 1.616 | 1.614 |
| Machinery, nec | 1.728 | 1.707 | 1.732 | 1.666 | 1.628 | 1.606 | 1.584 | 1.580 |
| Electrical and optical equipment | 1.855 | 1.865 | 1.893 | 1.823 | 1.781 | 1.760 | 1.737 | 1.734 |
| Transport equipment | 2.044 | 2.052 | 2.109 | 2.042 | 1.999 | 1.995 | 1.985 | 1.983 |
| Manufacturing, nec; recycling | 2.243 | 2.234 | 2.264 | 2.204 | 2.166 | 2.151 | 2.135 | 2.122 |
| Electricity, gas, and water supply | 1.314 | 1.310 | 1.318 | 1.312 | 1.309 | 1.306 | 1.303 | 1.303 |
| Construction | 1.862 | 1.880 | 1.909 | 1.848 | 1.808 | 1.794 | 1.780 | 1.778 |
| Sale, maintenance, and repair | 1.566 | 1.531 | 1.562 | 1.541 | 1.530 | 1.523 | 1.514 | 1.513 |
| Wholesale trade and commission trade | 1.467 | 1.434 | 1.455 | 1.442 | 1.434 | 1.432 | 1.428 | 1.427 |
| Retail trade | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Hotels and restaurants | 1.915 | 1.914 | 1.943 | 1.901 | 1.875 | 1.864 | 1.853 | 1.850 |
| Inland transport | 1.683 | 1.694 | 1.722 | 1.665 | 1.632 | 1.613 | 1.597 | 1.600 |
| Water transport | 1.832 | 1.838 | 1.874 | 1.807 | 1.766 | 1.742 | 1.723 | 1.728 |
| Air transport | 1.716 | 1.714 | 1.750 | 1.686 | 1.648 | 1.624 | 1.604 | 1.609 |
| Other supporting and auxiliary transport activities | 1.702 | 1.690 | 1.709 | 1.685 | 1.669 | 1.663 | 1.656 | 1.653 |
| Post and telecommunications | 1.900 | 1.869 | 1.897 | 1.851 | 1.819 | 1.809 | 1.796 | 1.791 |
| Financial intermediation | 1.550 | 1.460 | 1.495 | 1.479 | 1.468 | 1.465 | 1.460 | 1.458 |
| Real estate activities | 1.389 | 1.376 | 1.394 | 1.376 | 1.362 | 1.363 | 1.361 | 1.359 |
| Renting of M&Eq and other business activities | 1.620 | 1.588 | 1.613 | 1.590 | 1.576 | 1.570 | 1.562 | 1.558 |
| Public administration and defense; compulsory social security | 1.332 | 1.321 | 1.330 | 1.319 | 1.313 | 1.309 | 1.305 | 1.303 |
| Education | 1.237 | 1.227 | 1.233 | 1.230 | 1.229 | 1.228 | 1.226 | 1.224 |
| Health and social work | 1.558 | 1.531 | 1.559 | 1.641 | 1.685 | 1.672 | 1.658 | 1.657 |
| Other community, social, and personal services | 1.603 | 1.587 | 1.605 | 1.585 | 1.573 | 1.567 | 1.558 | 1.556 |
| Private households with employed persons | 1.111 | 1.108 | 1.110 | 1.106 | 1.103 | 1.102 | 1.100 | 1.100 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

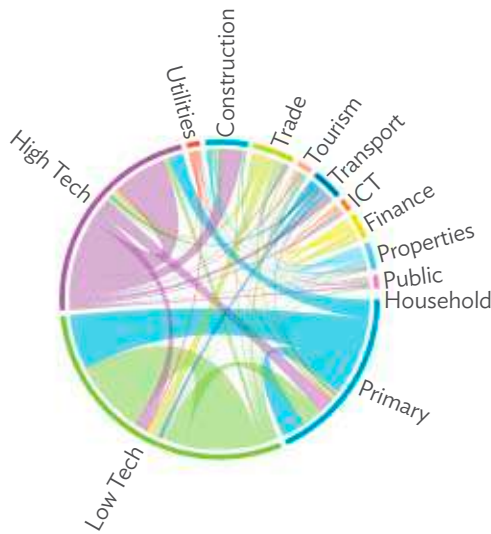
Source: Asian Development Bank Multi-Regional Input-Output Database.

DOMESTIC INTERINDUSTRY LINKAGES

10.2

Viet Nam

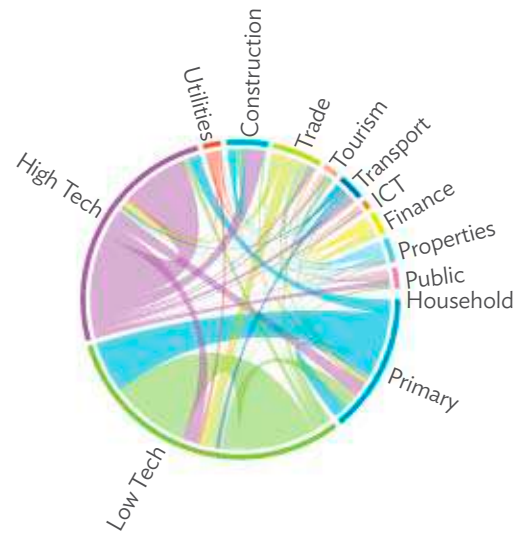
Figure 10.2.1a: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2010



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

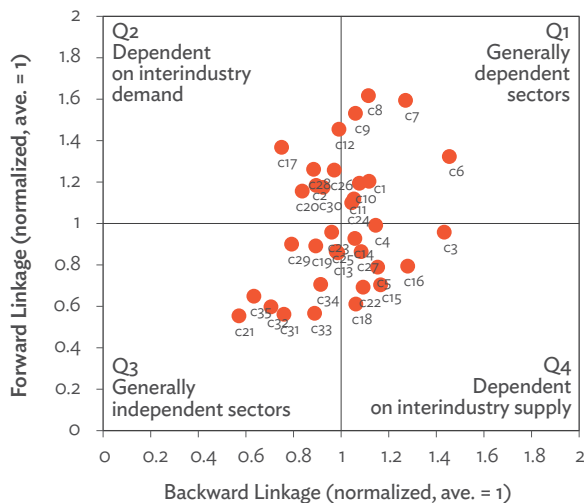
Figure 10.2.1b: Patterns of Interindustry Transactions Based on the Domestic Consumption Matrix, 2017



ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

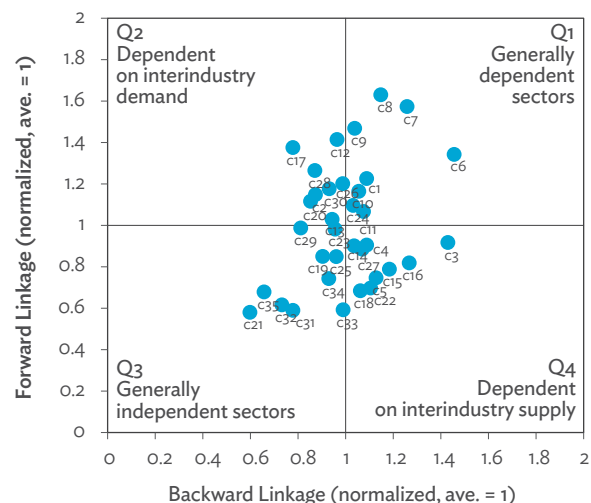
Figure 10.2.2a: Backward and Forward Linkages by Industry, 2010



Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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Figure 10.2.2b: Backward and Forward Linkages by Industry, 2017

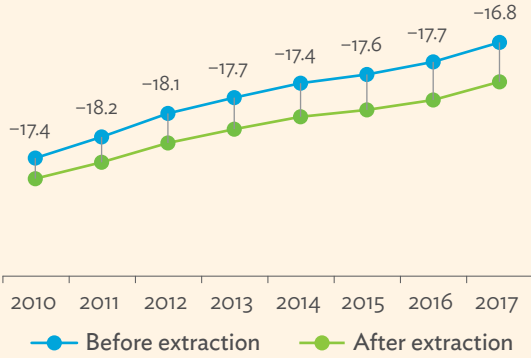


Note: Mapping of sectors based on normalized backward and forward linkages.
Source: Asian Development Bank Multi-Regional Input-Output Database.

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Box 10: Hypothetical Extraction of Food, Beverages, and Tobacco Industry in Viet Nam

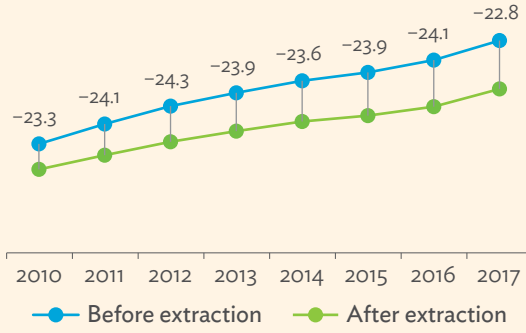
Figure 10.2.3a: Potential Decline in Gross Value Added, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

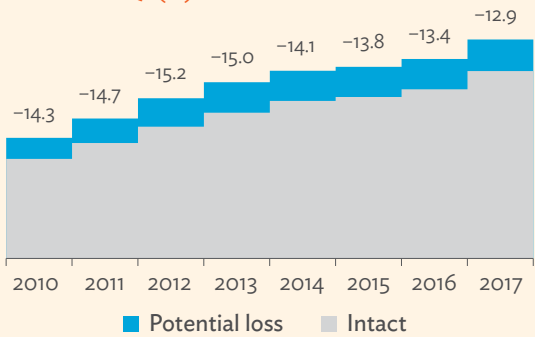
Figure 10.2.4b: Potential Decline in Gross Output Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

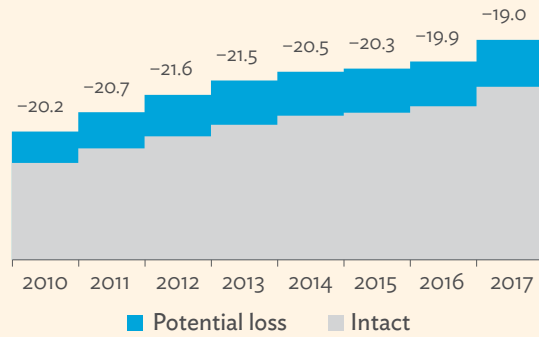
Figure 10.2.3b: Potential Decline in Gross Value Added Attributed to Domestic Final Demand, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

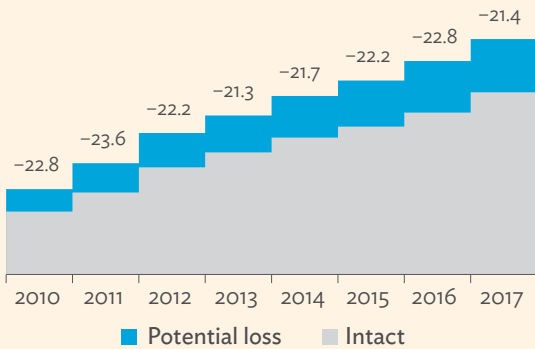
Figure 10.2.3c: Potential Decline in Gross Value Added Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

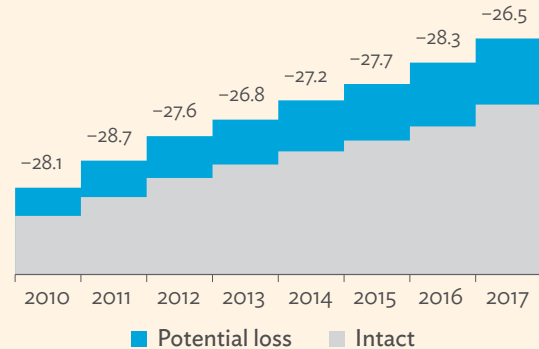
Figure 10.2.4a: Potential Decline in Gross Output, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.2.4c: Potential Decline in Gross Output Attributed to Exports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 10.2.1: Input-Output Backward Linkage

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.117 | 1.121 | 1.115 | 1.103 | 1.091 | 1.090 | 1.090 | 1.087 |
| Mining and quarrying | 0.895 | 0.883 | 0.893 | 0.883 | 0.876 | 0.874 | 0.871 | 0.872 |
| Food, beverages, and tobacco | 1.433 | 1.438 | 1.433 | 1.429 | 1.425 | 1.427 | 1.431 | 1.429 |
| Textiles and textile products | 1.145 | 1.106 | 1.104 | 1.097 | 1.093 | 1.090 | 1.087 | 1.087 |
| Leather, leather products, and footwear | 1.153 | 1.134 | 1.129 | 1.129 | 1.129 | 1.129 | 1.128 | 1.127 |
| Wood and products of wood and cork | 1.455 | 1.465 | 1.462 | 1.458 | 1.454 | 1.457 | 1.459 | 1.455 |
| Pulp, paper, paper products, printing, and publishing | 1.271 | 1.264 | 1.270 | 1.266 | 1.264 | 1.263 | 1.262 | 1.257 |
| Coke, refined petroleum, and nuclear fuel | 1.114 | 1.150 | 1.155 | 1.138 | 1.127 | 1.127 | 1.131 | 1.147 |
| Chemicals and chemical products | 1.060 | 1.058 | 1.060 | 1.049 | 1.042 | 1.039 | 1.036 | 1.037 |
| Rubber and plastics | 1.077 | 1.086 | 1.086 | 1.073 | 1.065 | 1.060 | 1.055 | 1.055 |
| Other nonmetallic minerals | 1.054 | 1.067 | 1.067 | 1.067 | 1.067 | 1.067 | 1.070 | 1.074 |
| Basic metals and fabricated metal | 0.991 | 0.999 | 0.999 | 0.984 | 0.976 | 0.969 | 0.963 | 0.963 |
| Machinery, nec | 0.986 | 0.981 | 0.981 | 0.966 | 0.958 | 0.951 | 0.944 | 0.942 |
| Electrical and optical equipment | 1.058 | 1.072 | 1.072 | 1.056 | 1.047 | 1.042 | 1.036 | 1.035 |
| Transport equipment | 1.166 | 1.179 | 1.194 | 1.183 | 1.175 | 1.181 | 1.183 | 1.183 |
| Manufacturing, nec; recycling | 1.279 | 1.285 | 1.283 | 1.277 | 1.274 | 1.273 | 1.273 | 1.266 |
| Electricity, gas, and water supply | 0.750 | 0.753 | 0.747 | 0.760 | 0.770 | 0.773 | 0.777 | 0.777 |
| Construction | 1.062 | 1.081 | 1.082 | 1.071 | 1.063 | 1.062 | 1.061 | 1.061 |
| Sale, maintenance, and repair | 0.893 | 0.880 | 0.885 | 0.893 | 0.900 | 0.902 | 0.903 | 0.903 |
| Wholesale trade and commission trade | 0.837 | 0.824 | 0.824 | 0.836 | 0.843 | 0.848 | 0.851 | 0.851 |
| Retail trade | 0.570 | 0.575 | 0.566 | 0.579 | 0.588 | 0.592 | 0.596 | 0.597 |
| Hotels and restaurants | 1.093 | 1.101 | 1.101 | 1.102 | 1.103 | 1.103 | 1.105 | 1.104 |
| Inland transport | 0.960 | 0.974 | 0.975 | 0.965 | 0.959 | 0.955 | 0.952 | 0.954 |
| Water transport | 1.045 | 1.057 | 1.062 | 1.047 | 1.038 | 1.031 | 1.027 | 1.031 |
| Air transport | 0.979 | 0.985 | 0.991 | 0.977 | 0.969 | 0.962 | 0.956 | 0.960 |
| Other supporting and auxiliary transport activities | 0.971 | 0.971 | 0.968 | 0.976 | 0.981 | 0.985 | 0.987 | 0.986 |
| Post and telecommunications | 1.084 | 1.074 | 1.075 | 1.073 | 1.070 | 1.071 | 1.070 | 1.068 |
| Financial intermediation | 0.884 | 0.839 | 0.847 | 0.857 | 0.863 | 0.867 | 0.870 | 0.870 |
| Real estate activities | 0.792 | 0.791 | 0.789 | 0.797 | 0.801 | 0.807 | 0.812 | 0.811 |
| Renting of M&Eq and other business activities | 0.924 | 0.913 | 0.913 | 0.921 | 0.927 | 0.930 | 0.931 | 0.929 |
| Public administration and defense; compulsory social security | 0.760 | 0.759 | 0.753 | 0.764 | 0.772 | 0.775 | 0.778 | 0.778 |
| Education | 0.705 | 0.705 | 0.698 | 0.713 | 0.723 | 0.727 | 0.731 | 0.731 |
| Health and social work | 0.889 | 0.880 | 0.883 | 0.951 | 0.991 | 0.990 | 0.989 | 0.989 |
| Other community, social, and personal services | 0.914 | 0.912 | 0.909 | 0.919 | 0.925 | 0.928 | 0.929 | 0.928 |
| Private households with employed persons | 0.634 | 0.637 | 0.629 | 0.641 | 0.649 | 0.652 | 0.656 | 0.656 |

lowest linkage



highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table 10.2.2: Input-Output Forward Linkage

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Agriculture, hunting, forestry, and fishing | 1.210 | 1.211 | 1.211 | 1.218 | 1.222 | 1.240 | 1.256 | 1.230 |
| Mining and quarrying | 1.190 | 1.256 | 1.202 | 1.172 | 1.151 | 1.149 | 1.159 | 1.150 |
| Food, beverages, and tobacco | 0.957 | 0.940 | 0.932 | 0.928 | 0.921 | 0.920 | 0.919 | 0.911 |
| Textiles and textile products | 0.992 | 0.965 | 0.962 | 0.950 | 0.938 | 0.920 | 0.901 | 0.899 |
| Leather, leather products, and footwear | 0.784 | 0.769 | 0.762 | 0.764 | 0.762 | 0.762 | 0.756 | 0.736 |
| Wood and products of wood and cork | 1.333 | 1.325 | 1.324 | 1.336 | 1.345 | 1.361 | 1.371 | 1.349 |
| Pulp, paper, paper products, printing, and publishing | 1.612 | 1.583 | 1.603 | 1.603 | 1.605 | 1.600 | 1.594 | 1.588 |
| Coke, refined petroleum, and nuclear fuel | 1.636 | 1.594 | 1.623 | 1.603 | 1.593 | 1.576 | 1.576 | 1.646 |
| Chemicals and chemical products | 1.548 | 1.540 | 1.558 | 1.528 | 1.509 | 1.490 | 1.466 | 1.479 |
| Rubber and plastics | 1.200 | 1.196 | 1.207 | 1.198 | 1.193 | 1.194 | 1.189 | 1.166 |
| Other nonmetallic minerals | 1.122 | 1.088 | 1.081 | 1.078 | 1.073 | 1.042 | 1.024 | 1.066 |
| Basic metals and fabricated metal | 1.469 | 1.448 | 1.471 | 1.452 | 1.447 | 1.409 | 1.382 | 1.424 |
| Machinery, nec | 0.855 | 0.971 | 0.994 | 0.993 | 0.995 | 1.060 | 1.095 | 1.026 |
| Electrical and optical equipment | 0.926 | 0.923 | 0.922 | 0.915 | 0.909 | 0.920 | 0.920 | 0.895 |
| Transport equipment | 0.696 | 0.705 | 0.715 | 0.726 | 0.732 | 0.768 | 0.792 | 0.779 |
| Manufacturing, nec; recycling | 0.789 | 0.791 | 0.789 | 0.796 | 0.801 | 0.812 | 0.819 | 0.810 |
| Electricity, gas, and water supply | 1.379 | 1.394 | 1.383 | 1.372 | 1.368 | 1.368 | 1.371 | 1.384 |
| Construction | 0.600 | 0.607 | 0.620 | 0.630 | 0.636 | 0.662 | 0.682 | 0.671 |
| Sale, maintenance, and repair | 0.889 | 0.870 | 0.852 | 0.851 | 0.851 | 0.843 | 0.841 | 0.843 |
| Wholesale trade and commission trade | 1.161 | 1.165 | 1.109 | 1.113 | 1.117 | 1.117 | 1.115 | 1.116 |
| Retail trade | 0.542 | 0.547 | 0.540 | 0.553 | 0.562 | 0.565 | 0.566 | 0.565 |
| Hotels and restaurants | 0.684 | 0.680 | 0.677 | 0.685 | 0.689 | 0.685 | 0.683 | 0.685 |
| Inland transport | 0.957 | 0.976 | 0.973 | 0.970 | 0.966 | 0.967 | 0.970 | 0.978 |
| Water transport | 1.104 | 1.120 | 1.120 | 1.107 | 1.097 | 1.095 | 1.092 | 1.096 |
| Air transport | 0.862 | 0.861 | 0.869 | 0.863 | 0.858 | 0.846 | 0.838 | 0.841 |
| Other supporting and auxiliary transport activities | 1.266 | 1.260 | 1.265 | 1.253 | 1.245 | 1.226 | 1.206 | 1.204 |
| Post and telecommunications | 0.861 | 0.841 | 0.858 | 0.870 | 0.878 | 0.873 | 0.873 | 0.878 |
| Financial intermediation | 1.269 | 1.230 | 1.260 | 1.262 | 1.263 | 1.261 | 1.261 | 1.269 |
| Real estate activities | 0.898 | 0.917 | 0.926 | 0.954 | 0.977 | 0.974 | 0.976 | 0.984 |
| Renting of M&Eq and other business activities | 1.180 | 1.170 | 1.168 | 1.173 | 1.176 | 1.169 | 1.169 | 1.179 |
| Public administration and defense; compulsory social security | 0.550 | 0.555 | 0.547 | 0.561 | 0.570 | 0.572 | 0.574 | 0.574 |
| Education | 0.587 | 0.590 | 0.582 | 0.593 | 0.599 | 0.600 | 0.600 | 0.601 |
| Health and social work | 0.554 | 0.560 | 0.552 | 0.564 | 0.572 | 0.575 | 0.577 | 0.577 |
| Other community, social, and personal services | 0.698 | 0.703 | 0.700 | 0.713 | 0.721 | 0.721 | 0.725 | 0.732 |
| Private households with employed persons | 0.639 | 0.648 | 0.641 | 0.652 | 0.659 | 0.660 | 0.663 | 0.666 |

lowest linkage



highest linkage

M&Eq = machinery and equipment, nec = not elsewhere classified.

Note: Values are normalized values.

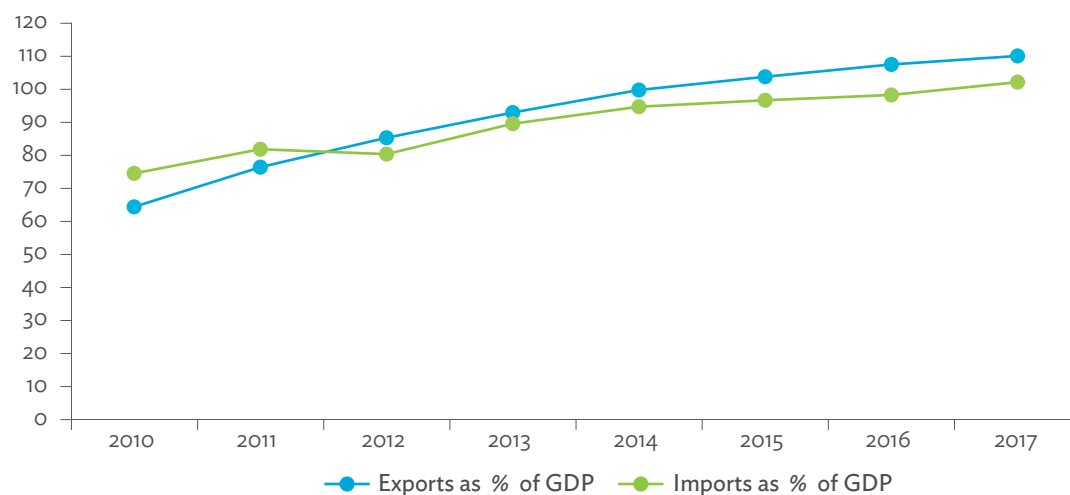
Source: Asian Development Bank Multi-Regional Input-Output Database.

INTERNATIONAL TRADE AND PRODUCTION LINKAGES

10.3

Viet Nam

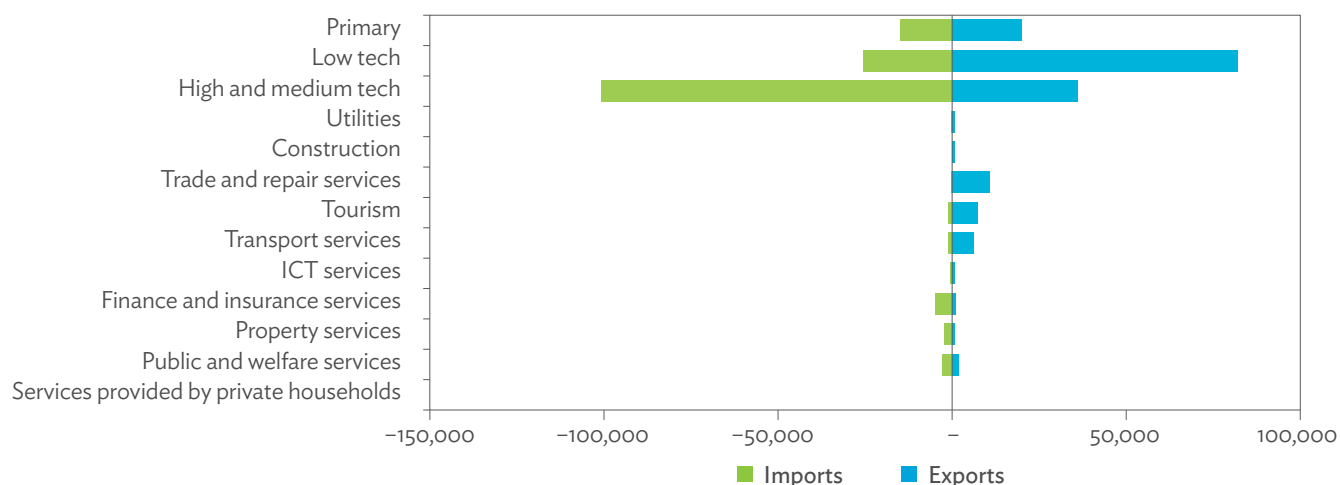
Figure 10.3.1: Exports and Imports as a Share of Gross Domestic Product, 2010–2017 (%)



GDP = gross domestic product.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.3.2: Total Foreign Trade by Sector, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.
Source: Asian Development Bank Multi-Regional Input-Output Database.

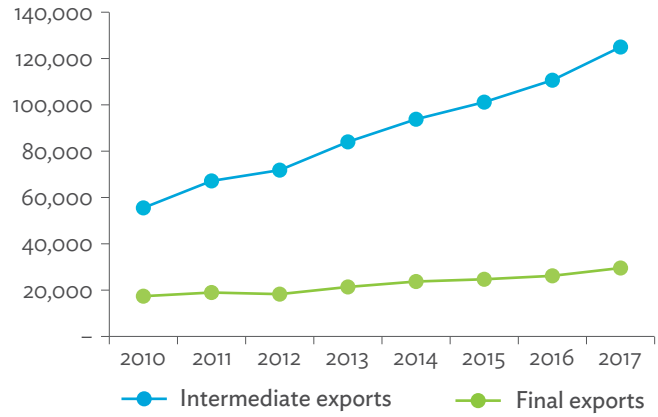
[Click here for figure data](#)

Figure 10.3.3: Trend of Export Activity by End-Use Category, 2010–2017 (\$ million)



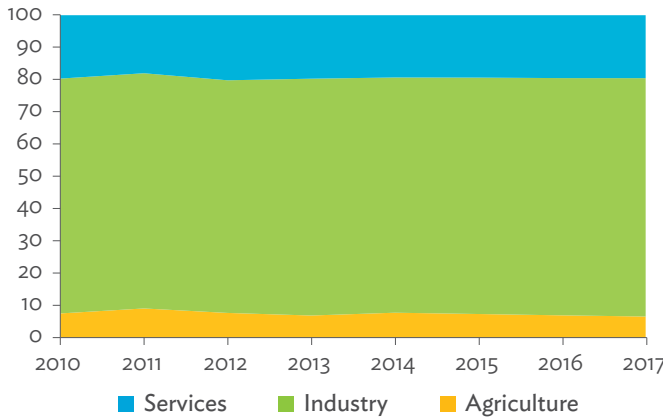
\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 10.3.6: Trend of Import Activity by End-Use Category, 2010–2017 (\$ million)



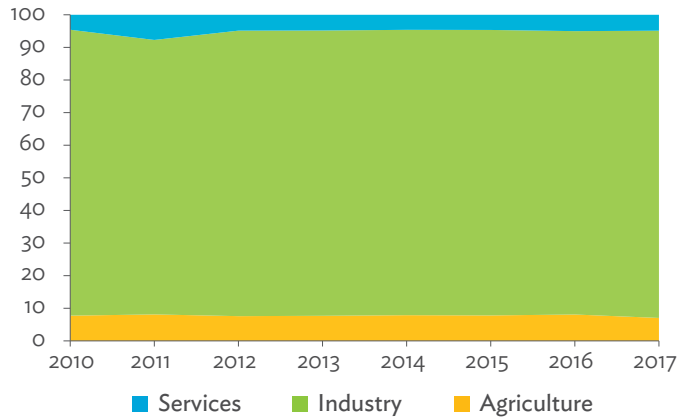
\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 10.3.4: Shares of Sectors to Total Intermediate Exports, 2010–2017 (%)



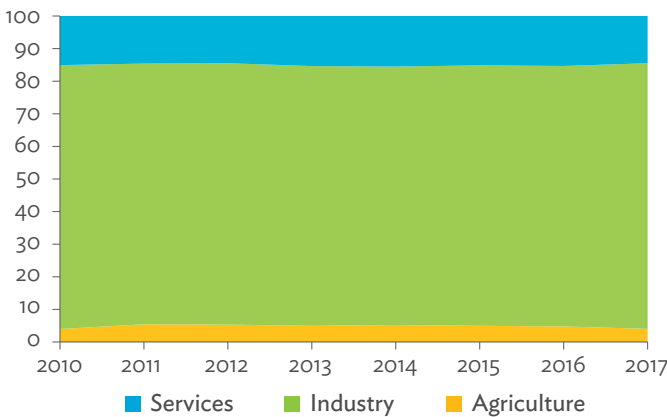
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 10.3.7: Shares of Sectors to Total Intermediate Imports, 2010–2017 (%)



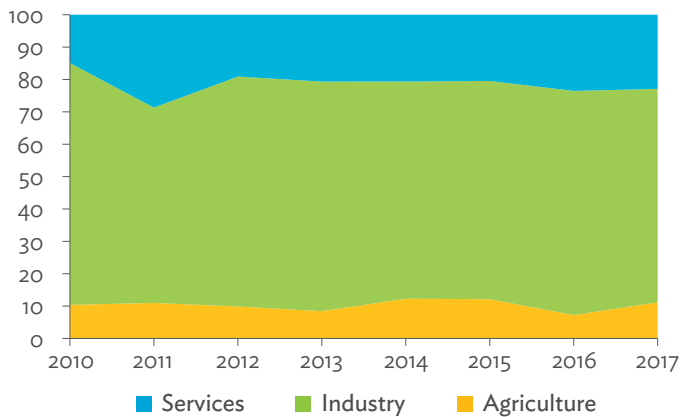
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 10.3.5: Shares of Sectors to Total Final Exports, 2010–2017 (%)



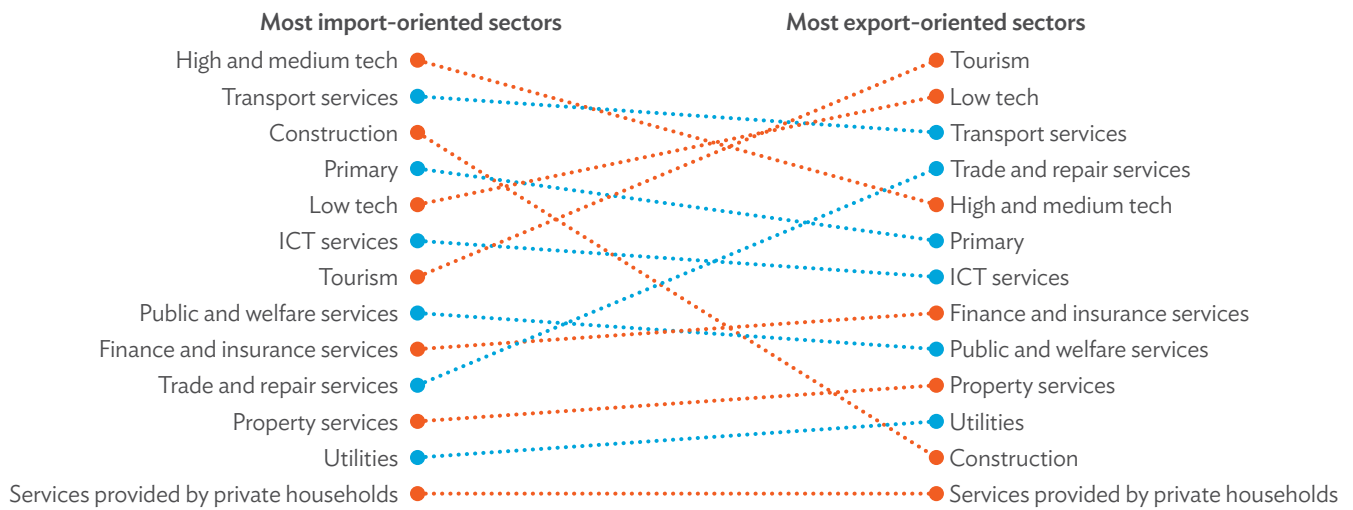
Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

Figure 10.3.8: Shares of Sectors to Total Final Imports, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.
[Click here for figure data](#)

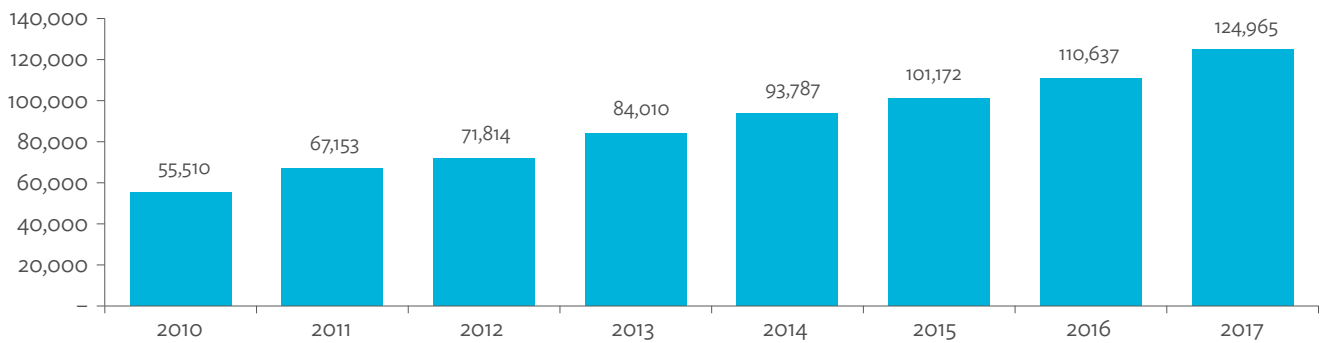
Figure 10.3.9: Ranking of Sectors According to Imported Input-to-Output Ratios and Exported Output-to-Output Ratios, 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

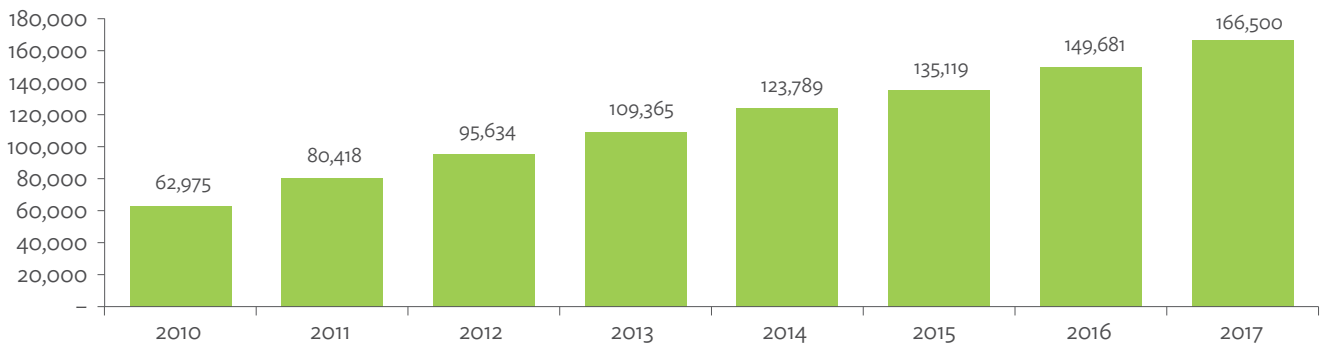
Figure 10.3.10: Total Foreign-Traded Input, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

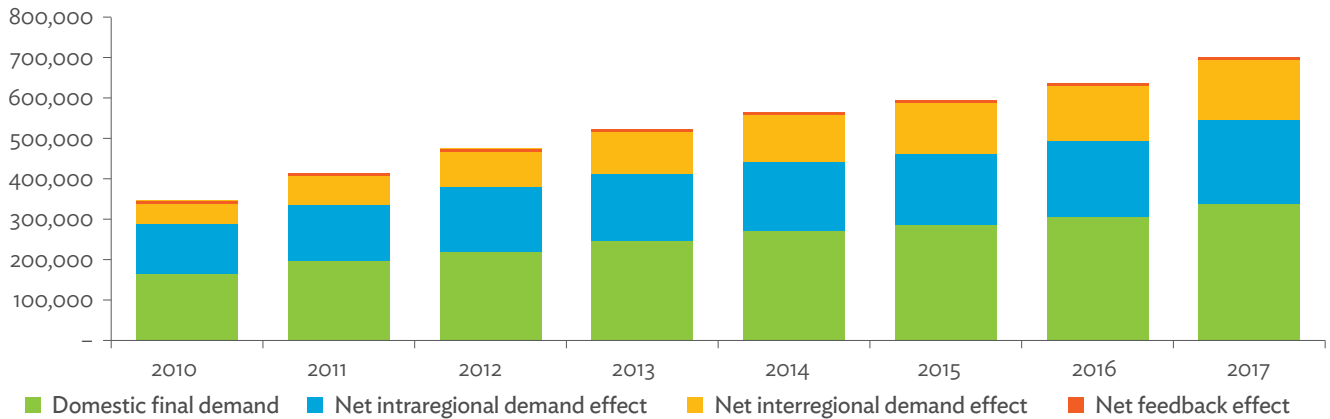
Figure 10.3.11: Total Foreign-Traded Output, 2010–2017 (\$ million)



\$ = United States dollar.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.3.12: Decomposition of Total Production Attributable to Domestic and Interregional Demand, 2010–2017 (\$ million)

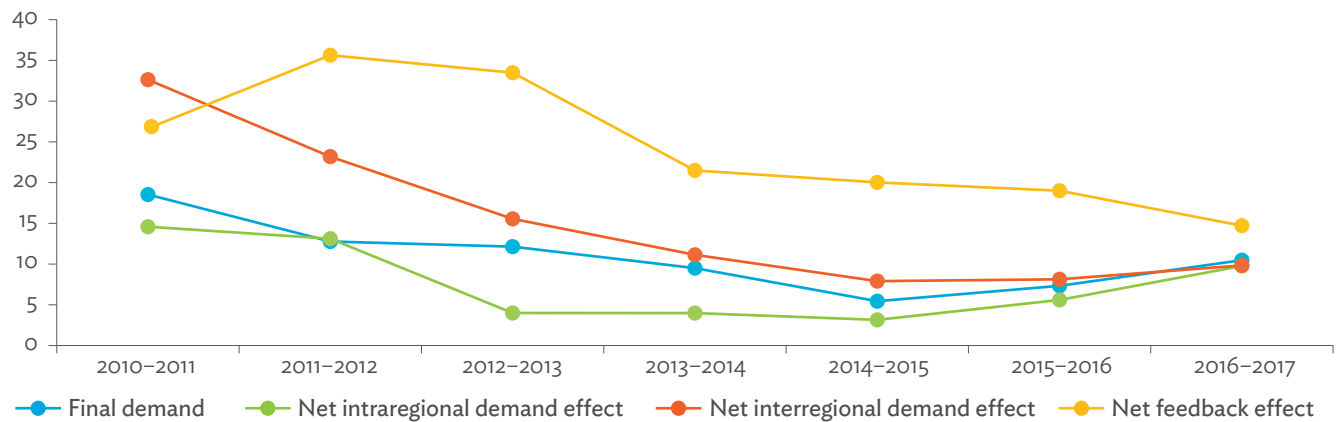


\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

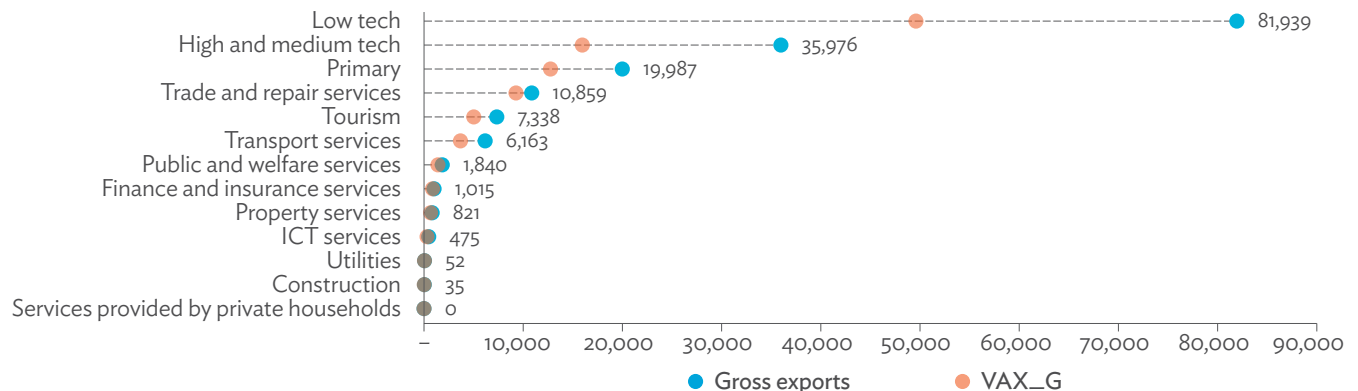
Figure 10.3.13: Growth Rates of Production Components Based on Two-Region Input-Output Table, 2010–2017 (%)



Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.3.14: Gross Exports versus Value-Added Exports by Sector, 2017 (\$ million)

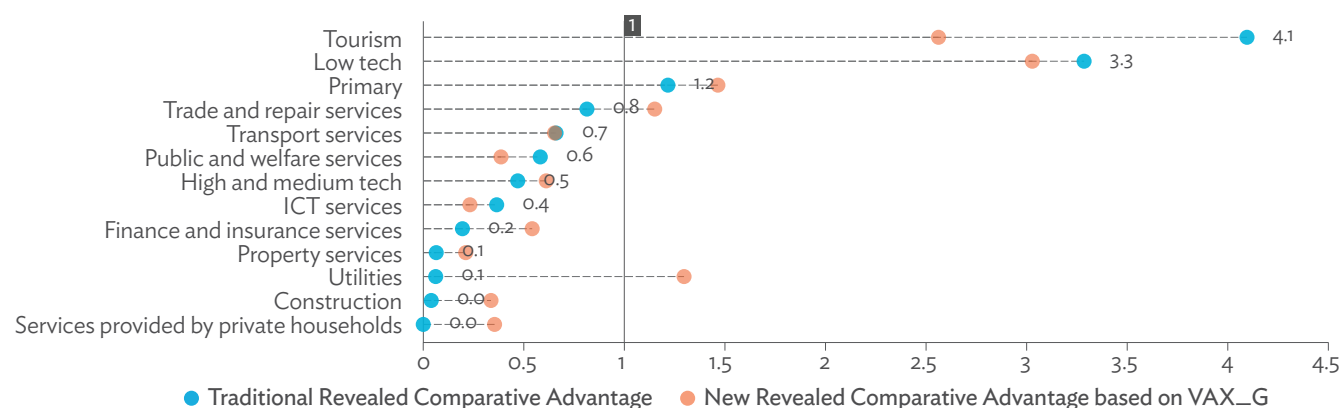


\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.3.15: Comparison of Traditional and New Revealed Comparative Advantage by Sector, 2017

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Table 10.3.1: Production Attributable to Domestic Linkages by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|--------|--------|--------|---------|---------|---------|---------|---------|
| Final demand | | | | | | | | |
| Primary | 22,873 | 27,199 | 32,011 | 34,576 | 36,623 | 34,256 | 31,775 | 33,288 |
| Low tech | 73,370 | 86,647 | 96,146 | 106,455 | 115,610 | 124,554 | 135,241 | 150,077 |
| High and medium tech | 22,256 | 28,213 | 30,475 | 34,983 | 38,681 | 42,471 | 47,235 | 54,665 |
| Business service | 31,871 | 36,998 | 42,485 | 47,530 | 51,986 | 54,447 | 58,043 | 61,245 |
| Personal service | 14,530 | 16,409 | 19,318 | 23,650 | 27,793 | 29,701 | 34,058 | 39,179 |
| Intraregional effects (M1) | | | | | | | | |
| Primary | 27,665 | 34,012 | 38,599 | 39,214 | 39,719 | 38,952 | 39,050 | 38,008 |
| Low tech | 37,704 | 42,235 | 48,779 | 50,815 | 52,390 | 56,199 | 61,097 | 66,519 |
| High and medium tech | 32,914 | 36,792 | 41,506 | 43,008 | 45,274 | 46,950 | 50,108 | 60,804 |
| Business service | 23,801 | 26,893 | 29,390 | 31,464 | 33,583 | 34,245 | 35,872 | 38,886 |
| Personal service | 803 | 880 | 1,007 | 1,146 | 1,287 | 1,334 | 1,500 | 1,739 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 10.3.2: Production Attributable to Linkages with the Rest of the World by Sector, 2010–2017 (\$ million)

| Sectors | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Interregional effects (M2) | | | | | | | | |
| Primary | 15,048 | 19,411 | 24,409 | 27,183 | 30,541 | 30,370 | 29,611 | 29,396 |
| Low tech | 16,051 | 21,312 | 25,029 | 29,187 | 33,603 | 37,981 | 42,685 | 46,709 |
| High and medium tech | 15,273 | 21,889 | 26,336 | 31,279 | 33,385 | 37,009 | 41,549 | 49,037 |
| Business service | 11,301 | 13,951 | 18,514 | 21,266 | 23,472 | 25,201 | 27,280 | 29,846 |
| Personal service | 263 | 278 | 370 | 464 | 560 | 612 | 712 | 799 |
| Feedback effects (M3) | | | | | | | | |
| Primary | 33.19 | 36.65 | 53.53 | 70.41 | 86.67 | 95.88 | 102.53 | 102.75 |
| Low tech | 18.28 | 25.40 | 32.05 | 43.50 | 54.76 | 70.00 | 88.63 | 102.92 |
| High and medium tech | 27.00 | 37.71 | 48.96 | 66.02 | 76.99 | 96.10 | 119.90 | 151.53 |
| Business service | 13.41 | 16.66 | 23.35 | 30.80 | 37.56 | 45.23 | 54.43 | 62.10 |
| Personal service | 0.31 | 0.33 | 0.48 | 0.67 | 0.88 | 1.07 | 1.38 | 1.57 |

\$ = United States dollar.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 10.3.3: Net Intraregional Multipliers (M1), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.9582 | 0.9502 | 0.9686 | 0.9028 | 0.8559 | 0.8407 | 0.8280 | 0.8220 |
| Mining and quarrying | 0.5697 | 0.5360 | 0.5757 | 0.5241 | 0.4902 | 0.4757 | 0.4612 | 0.4622 |
| Food, beverages, and tobacco | 1.5123 | 1.5012 | 1.5303 | 1.4658 | 1.4223 | 1.4110 | 1.4005 | 1.3947 |
| Textiles and textile products | 1.0080 | 0.9243 | 0.9491 | 0.8933 | 0.8586 | 0.8411 | 0.8232 | 0.8222 |
| Leather, leather products, and footwear | 1.0216 | 0.9726 | 0.9936 | 0.9484 | 0.9196 | 0.9067 | 0.8924 | 0.8885 |
| Wood and products of wood and cork | 1.5510 | 1.5479 | 1.5806 | 1.5159 | 1.4733 | 1.4603 | 1.4474 | 1.4391 |
| Pulp, paper, paper products, printing, and publishing | 1.2277 | 1.1988 | 1.2425 | 1.1856 | 1.1500 | 1.1340 | 1.1177 | 1.1069 |
| Coke, refined petroleum, and nuclear fuel | 0.9537 | 0.9998 | 1.0388 | 0.9645 | 0.9172 | 0.9037 | 0.8975 | 0.9227 |
| Chemicals and chemical products | 0.8589 | 0.8412 | 0.8722 | 0.8098 | 0.7719 | 0.7544 | 0.7377 | 0.7382 |
| Rubber and plastics | 0.8876 | 0.8884 | 0.9178 | 0.8513 | 0.8117 | 0.7901 | 0.7690 | 0.7675 |
| Other nonmetallic minerals | 0.8472 | 0.8567 | 0.8836 | 0.8408 | 0.8136 | 0.8028 | 0.7951 | 0.8005 |
| Basic metals and fabricated metal | 0.7375 | 0.7387 | 0.7634 | 0.6978 | 0.6604 | 0.6370 | 0.6156 | 0.6139 |
| Machinery, nec | 0.7280 | 0.7066 | 0.7315 | 0.6663 | 0.6283 | 0.6058 | 0.5843 | 0.5797 |
| Electrical and optical equipment | 0.8550 | 0.8649 | 0.8934 | 0.8231 | 0.7810 | 0.7595 | 0.7375 | 0.7345 |
| Transport equipment | 1.0438 | 1.0516 | 1.1085 | 1.0418 | 0.9988 | 0.9949 | 0.9849 | 0.9832 |
| Manufacturing, nec; recycling | 1.2430 | 1.2345 | 1.2643 | 1.2041 | 1.1661 | 1.1506 | 1.1350 | 1.1224 |
| Electricity, gas, and water supply | 0.3142 | 0.3101 | 0.3179 | 0.3115 | 0.3093 | 0.3063 | 0.3030 | 0.3027 |
| Construction | 0.8618 | 0.8797 | 0.9094 | 0.8484 | 0.8081 | 0.7940 | 0.7797 | 0.7780 |
| Sale, maintenance, and repair | 0.5661 | 0.5310 | 0.5617 | 0.5414 | 0.5301 | 0.5228 | 0.5140 | 0.5132 |
| Wholesale trade and commission trade | 0.4666 | 0.4339 | 0.4549 | 0.4424 | 0.4341 | 0.4318 | 0.4276 | 0.4270 |
| Retail trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotels and restaurants | 0.9155 | 0.9145 | 0.9433 | 0.9014 | 0.8748 | 0.8636 | 0.8535 | 0.8504 |
| Inland transport | 0.6833 | 0.6944 | 0.7217 | 0.6652 | 0.6315 | 0.6130 | 0.5966 | 0.5998 |
| Water transport | 0.8319 | 0.8382 | 0.8743 | 0.8069 | 0.7657 | 0.7418 | 0.7234 | 0.7277 |
| Air transport | 0.7164 | 0.7137 | 0.7496 | 0.6858 | 0.6480 | 0.6245 | 0.6040 | 0.6088 |
| Other supporting and auxiliary transport activities | 0.7024 | 0.6896 | 0.7089 | 0.6847 | 0.6686 | 0.6630 | 0.6561 | 0.6535 |
| Post and telecommunications | 0.9003 | 0.8687 | 0.8974 | 0.8510 | 0.8190 | 0.8093 | 0.7956 | 0.7908 |
| Financial intermediation | 0.5503 | 0.4599 | 0.4950 | 0.4790 | 0.4675 | 0.4650 | 0.4596 | 0.4578 |
| Real estate activities | 0.3889 | 0.3762 | 0.3935 | 0.3761 | 0.3625 | 0.3634 | 0.3613 | 0.3585 |
| Renting of M&Eq and other business activities | 0.6205 | 0.5878 | 0.6127 | 0.5902 | 0.5756 | 0.5700 | 0.5623 | 0.5579 |
| Public administration and defense; compulsory social security | 0.3320 | 0.3208 | 0.3296 | 0.3189 | 0.3127 | 0.3089 | 0.3049 | 0.3032 |
| Education | 0.2366 | 0.2265 | 0.2328 | 0.2301 | 0.2287 | 0.2277 | 0.2257 | 0.2244 |
| Health and social work | 0.5578 | 0.5308 | 0.5593 | 0.6410 | 0.6846 | 0.6715 | 0.6582 | 0.6573 |
| Other community, social, and personal services | 0.6032 | 0.5873 | 0.6051 | 0.5853 | 0.5733 | 0.5670 | 0.5583 | 0.5556 |
| Private households with employed persons | 0.1107 | 0.1078 | 0.1098 | 0.1056 | 0.1034 | 0.1018 | 0.1001 | 0.0997 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 10.3.4: Net Interregional Multipliers (M2), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.7418 | 0.7606 | 0.7474 | 0.8046 | 0.8343 | 0.8570 | 0.8671 | 0.8833 |
| Mining and quarrying | 0.9331 | 0.9736 | 0.8875 | 0.9505 | 0.9814 | 1.0165 | 1.0342 | 1.0418 |
| Food, beverages, and tobacco | 0.8180 | 0.8337 | 0.8215 | 0.8694 | 0.8922 | 0.9150 | 0.9261 | 0.9406 |
| Textiles and textile products | 0.9420 | 1.0444 | 1.0232 | 1.0826 | 1.0993 | 1.1269 | 1.1422 | 1.1592 |
| Leather, leather products, and footwear | 0.7497 | 0.8214 | 0.8023 | 0.8520 | 0.8698 | 0.8938 | 0.9095 | 0.9293 |
| Wood and products of wood and cork | 0.8799 | 0.9080 | 0.8888 | 0.9390 | 0.9520 | 0.9759 | 0.9870 | 1.0054 |
| Pulp, paper, paper products, printing, and publishing | 0.9627 | 1.0099 | 0.9749 | 1.0301 | 1.0497 | 1.0735 | 1.0867 | 1.0998 |
| Coke, refined petroleum, and nuclear fuel | 1.3288 | 1.2939 | 1.2458 | 1.3470 | 1.3937 | 1.4609 | 1.5029 | 1.5431 |
| Chemicals and chemical products | 1.1743 | 1.2354 | 1.2088 | 1.2772 | 1.3030 | 1.3371 | 1.3569 | 1.3790 |
| Rubber and plastics | 1.3070 | 1.3566 | 1.3373 | 1.4100 | 1.4365 | 1.4708 | 1.4926 | 1.5171 |
| Other nonmetallic minerals | 0.8217 | 0.8309 | 0.7943 | 0.8422 | 0.8597 | 0.8864 | 0.9012 | 0.9093 |
| Basic metals and fabricated metal | 1.4885 | 1.5167 | 1.5013 | 1.5841 | 1.6191 | 1.6624 | 1.6938 | 1.7163 |
| Machinery, nec | 1.4020 | 1.4454 | 1.4304 | 1.5074 | 1.5364 | 1.5811 | 1.6071 | 1.6213 |
| Electrical and optical equipment | 1.4849 | 1.5240 | 1.5137 | 1.5928 | 1.6176 | 1.6656 | 1.6940 | 1.7211 |
| Transport equipment | 1.3078 | 1.3198 | 1.3193 | 1.3918 | 1.4201 | 1.4763 | 1.5121 | 1.5347 |
| Manufacturing, nec; recycling | 0.9658 | 0.9989 | 0.9814 | 1.0388 | 1.0626 | 1.0925 | 1.1059 | 1.1298 |
| Electricity, gas, and water supply | 0.3329 | 0.3490 | 0.3293 | 0.3324 | 0.3273 | 0.3390 | 0.3458 | 0.3474 |
| Construction | 1.0545 | 1.0278 | 1.0290 | 1.0995 | 1.1323 | 1.1746 | 1.1994 | 1.2149 |
| Sale, maintenance, and repair | 0.6502 | 0.7020 | 0.6448 | 0.6745 | 0.6847 | 0.7088 | 0.7148 | 0.7373 |
| Wholesale trade and commission trade | 0.3368 | 0.3755 | 0.3245 | 0.3393 | 0.3420 | 0.3572 | 0.3609 | 0.3704 |
| Retail trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotels and restaurants | 0.7254 | 0.7379 | 0.7087 | 0.7511 | 0.7669 | 0.7955 | 0.8089 | 0.8284 |
| Inland transport | 1.1072 | 1.1210 | 1.0831 | 1.1541 | 1.1805 | 1.2325 | 1.2604 | 1.2758 |
| Water transport | 1.2196 | 1.2399 | 1.1981 | 1.2902 | 1.3302 | 1.3869 | 1.4222 | 1.4422 |
| Air transport | 1.2693 | 1.2928 | 1.2490 | 1.3318 | 1.3638 | 1.4254 | 1.4590 | 1.4735 |
| Other supporting and auxiliary transport activities | 0.4472 | 0.4702 | 0.4397 | 0.4684 | 0.4795 | 0.5026 | 0.5149 | 0.5239 |
| Post and telecommunications | 0.8480 | 0.8697 | 0.8512 | 0.9003 | 0.9168 | 0.9523 | 0.9686 | 0.9790 |
| Financial intermediation | 0.2866 | 0.3721 | 0.2737 | 0.2910 | 0.2972 | 0.3063 | 0.3085 | 0.3119 |
| Real estate activities | 0.2451 | 0.2448 | 0.2441 | 0.2595 | 0.2655 | 0.2839 | 0.2902 | 0.2942 |
| Renting of M&Eq and other business activities | 0.4599 | 0.4930 | 0.4506 | 0.4745 | 0.4822 | 0.4992 | 0.5041 | 0.5091 |
| Public administration and defense; compulsory social security | 0.2709 | 0.2849 | 0.2616 | 0.2741 | 0.2773 | 0.2882 | 0.2934 | 0.2961 |
| Education | 0.1773 | 0.1923 | 0.1708 | 0.1765 | 0.1767 | 0.1851 | 0.1868 | 0.1910 |
| Health and social work | 1.0022 | 1.0579 | 1.0054 | 0.9458 | 0.9027 | 0.9236 | 0.9393 | 0.9535 |
| Other community, social, and personal services | 0.5088 | 0.5325 | 0.5082 | 0.5325 | 0.5379 | 0.5565 | 0.5652 | 0.5698 |
| Private households with employed persons | 0.1184 | 0.1239 | 0.1167 | 0.1223 | 0.1237 | 0.1283 | 0.1309 | 0.1330 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 10.3.5: Net Feedback Multipliers (M₃), 2010–2017

| Industry | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Agriculture, hunting, forestry, and fishing | 0.0007 | 0.0008 | 0.0009 | 0.0011 | 0.0013 | 0.0015 | 0.0016 | 0.0016 |
| Mining and quarrying | 0.0009 | 0.0009 | 0.0010 | 0.0013 | 0.0015 | 0.0017 | 0.0019 | 0.0019 |
| Food, beverages, and tobacco | 0.0008 | 0.0008 | 0.0010 | 0.0012 | 0.0014 | 0.0016 | 0.0017 | 0.0017 |
| Textiles and textile products | 0.0010 | 0.0012 | 0.0014 | 0.0017 | 0.0019 | 0.0022 | 0.0025 | 0.0026 |
| Leather, leather products, and footwear | 0.0009 | 0.0010 | 0.0012 | 0.0014 | 0.0017 | 0.0019 | 0.0022 | 0.0023 |
| Wood and products of wood and cork | 0.0008 | 0.0008 | 0.0010 | 0.0013 | 0.0014 | 0.0016 | 0.0017 | 0.0017 |
| Pulp, paper, paper products, printing, and publishing | 0.0008 | 0.0009 | 0.0010 | 0.0013 | 0.0014 | 0.0016 | 0.0018 | 0.0018 |
| Coke, refined petroleum, and nuclear fuel | 0.0016 | 0.0014 | 0.0017 | 0.0022 | 0.0026 | 0.0029 | 0.0034 | 0.0031 |
| Chemicals and chemical products | 0.0010 | 0.0010 | 0.0012 | 0.0015 | 0.0017 | 0.0019 | 0.0021 | 0.0021 |
| Rubber and plastics | 0.0011 | 0.0012 | 0.0014 | 0.0017 | 0.0019 | 0.0021 | 0.0023 | 0.0024 |
| Other nonmetallic minerals | 0.0008 | 0.0008 | 0.0009 | 0.0012 | 0.0013 | 0.0015 | 0.0017 | 0.0016 |
| Basic metals and fabricated metal | 0.0010 | 0.0011 | 0.0013 | 0.0017 | 0.0019 | 0.0022 | 0.0025 | 0.0025 |
| Machinery, nec | 0.0013 | 0.0015 | 0.0017 | 0.0021 | 0.0023 | 0.0027 | 0.0031 | 0.0033 |
| Electrical and optical equipment | 0.0018 | 0.0023 | 0.0027 | 0.0033 | 0.0036 | 0.0042 | 0.0048 | 0.0054 |
| Transport equipment | 0.0011 | 0.0013 | 0.0015 | 0.0019 | 0.0021 | 0.0025 | 0.0028 | 0.0030 |
| Manufacturing, nec; recycling | 0.0008 | 0.0009 | 0.0011 | 0.0013 | 0.0015 | 0.0017 | 0.0019 | 0.0019 |
| Electricity, gas, and water supply | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0006 | 0.0007 | 0.0008 | 0.0008 |
| Construction | 0.0010 | 0.0011 | 0.0013 | 0.0016 | 0.0018 | 0.0021 | 0.0024 | 0.0025 |
| Sale, maintenance, and repair | 0.0006 | 0.0007 | 0.0008 | 0.0009 | 0.0010 | 0.0012 | 0.0013 | 0.0014 |
| Wholesale trade and commission trade | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0006 | 0.0007 | 0.0007 | 0.0007 |
| Retail trade | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hotels and restaurants | 0.0008 | 0.0008 | 0.0010 | 0.0012 | 0.0014 | 0.0016 | 0.0018 | 0.0017 |
| Inland transport | 0.0015 | 0.0013 | 0.0017 | 0.0021 | 0.0024 | 0.0027 | 0.0031 | 0.0028 |
| Water transport | 0.0015 | 0.0014 | 0.0018 | 0.0023 | 0.0026 | 0.0029 | 0.0033 | 0.0031 |
| Air transport | 0.0016 | 0.0014 | 0.0018 | 0.0022 | 0.0025 | 0.0029 | 0.0032 | 0.0031 |
| Other supporting and auxiliary transport activities | 0.0005 | 0.0005 | 0.0006 | 0.0008 | 0.0009 | 0.0010 | 0.0012 | 0.0011 |
| Post and telecommunications | 0.0011 | 0.0013 | 0.0015 | 0.0019 | 0.0020 | 0.0024 | 0.0028 | 0.0030 |
| Financial intermediation | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0004 |
| Real estate activities | 0.0002 | 0.0002 | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0006 | 0.0006 |
| Renting of M&Eq and other business activities | 0.0004 | 0.0005 | 0.0006 | 0.0007 | 0.0008 | 0.0009 | 0.0010 | 0.0010 |
| Public administration and defense; compulsory social security | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0006 | 0.0006 | 0.0006 |
| Education | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0004 |
| Health and social work | 0.0008 | 0.0009 | 0.0011 | 0.0012 | 0.0013 | 0.0014 | 0.0015 | 0.0016 |
| Other community, social, and personal services | 0.0005 | 0.0006 | 0.0007 | 0.0008 | 0.0009 | 0.0010 | 0.0012 | 0.0012 |
| Private households with employed persons | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0003 |

M&Eq = machinery and equipment, nec = not elsewhere classified.

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 10.3.6: Comparison of Exports in Gross and Value-Added Terms, 2010–2017 (\$ million)

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 10,056 | 6,641 | 12,736 | 8,401 | 16,128 | 10,990 | 17,947 | 11,876 | 20,880 | 13,604 | 20,619 | 13,306 | 20,064 | 12,838 | 19,987 | 12,753 |
| Low tech | 30,375 | 19,714 | 38,829 | 24,656 | 44,490 | 28,859 | 50,020 | 31,624 | 57,318 | 35,791 | 64,265 | 39,630 | 73,065 | 44,592 | 81,939 | 49,592 |
| High and medium tech | 11,609 | 5,695 | 15,696 | 7,719 | 18,255 | 9,160 | 21,506 | 10,435 | 23,762 | 11,257 | 26,627 | 12,321 | 30,214 | 13,722 | 35,976 | 15,957 |
| Utilities | 18 | 15 | 20 | 18 | 26 | 23 | 48 | 42 | 35 | 31 | 41 | 36 | 47 | 41 | 52 | 45 |
| Construction | 6 | 3 | 4 | 2 | 9 | 6 | 445 | 268 | 25 | 15 | 28 | 16 | 32 | 18 | 35 | 20 |
| Trade and repair services | 2,811 | 2,424 | 3,530 | 2,977 | 6,141 | 5,339 | 7,111 | 6,153 | 7,908 | 6,834 | 8,796 | 7,562 | 9,930 | 8,501 | 10,859 | 9,272 |
| Tourism | 3,416 | 2,415 | 4,118 | 2,894 | 4,416 | 3,179 | 5,077 | 3,590 | 5,693 | 3,991 | 6,078 | 4,221 | 6,792 | 4,678 | 7,338 | 5,014 |
| Transport services | 3,091 | 1,946 | 3,728 | 2,331 | 4,044 | 2,611 | 4,696 | 2,947 | 5,253 | 3,245 | 5,416 | 3,302 | 5,797 | 3,491 | 6,163 | 3,676 |
| ICT services | 218 | 148 | 268 | 179 | 292 | 200 | 336 | 225 | 376 | 250 | 415 | 272 | 457 | 297 | 475 | 307 |
| Finance and insurance services | 476 | 411 | 543 | 442 | 599 | 521 | 705 | 608 | 773 | 664 | 871 | 744 | 955 | 813 | 1,015 | 862 |
| Property services | 320 | 261 | 510 | 408 | 505 | 416 | 596 | 487 | 658 | 534 | 720 | 581 | 790 | 635 | 821 | 659 |
| Public and welfare services | 580 | 453 | 435 | 336 | 729 | 583 | 879 | 694 | 1,109 | 879 | 1,244 | 982 | 1,537 | 1,193 | 1,840 | 1,405 |
| Services provided by private households | 0 | 0 | - | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

\$ = United States dollar, ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

Source: Asian Development Bank Multi-Regional Input-Output Database.

Table 10.3.7: Comparison of Revealed Comparative Advantage Measures in Gross and Value-Added Terms, 2010–2017

| Sectors | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G | Gross | VAX_G |
| Primary | 1.468 | 1.649 | 1.303 | 1.521 | 1.386 | 1.570 | 1.423 | 1.581 | 1.555 | 1.689 | 1.576 | 1.721 | 1.419 | 1.645 | 1.217 | 1.465 |
| Low tech | 3.344 | 3.121 | 3.408 | 3.176 | 3.300 | 2.934 | 3.136 | 2.845 | 3.112 | 2.781 | 3.178 | 2.862 | 3.270 | 2.936 | 3.286 | 3.028 |
| High and medium tech | 0.394 | 0.511 | 0.418 | 0.547 | 0.412 | 0.537 | 0.427 | 0.548 | 0.417 | 0.531 | 0.425 | 0.550 | 0.441 | 0.565 | 0.470 | 0.611 |
| Utilities | 0.062 | 1.038 | 0.057 | 0.955 | 0.060 | 0.974 | 0.095 | 1.058 | 0.060 | 1.139 | 0.063 | 1.226 | 0.052 | 1.276 | 0.062 | 1.297 |
| Construction | 0.023 | 0.222 | 0.012 | 0.225 | 0.024 | 0.251 | 0.075 | 0.433 | 0.039 | 0.220 | 0.039 | 0.303 | 0.035 | 0.352 | 0.040 | 0.337 |
| Trade and repair services | 0.570 | 0.915 | 0.568 | 0.926 | 0.806 | 1.072 | 0.830 | 1.104 | 0.813 | 1.116 | 0.812 | 1.112 | 0.822 | 1.144 | 0.814 | 1.151 |
| Tourism | 5.142 | 3.152 | 4.849 | 3.040 | 4.459 | 2.700 | 4.380 | 2.744 | 4.240 | 2.685 | 4.171 | 2.581 | 3.686 | 2.454 | 4.096 | 2.562 |
| Transport services | 0.823 | 0.791 | 0.831 | 0.800 | 0.747 | 0.749 | 0.776 | 0.752 | 0.762 | 0.738 | 0.709 | 0.686 | 0.694 | 0.675 | 0.662 | 0.652 |
| ICT services | 0.515 | 0.340 | 0.530 | 0.308 | 0.441 | 0.300 | 0.447 | 0.301 | 0.438 | 0.301 | 0.437 | 0.293 | 0.414 | 0.275 | 0.365 | 0.232 |
| Finance and insurance services | 0.246 | 0.598 | 0.232 | 0.569 | 0.216 | 0.583 | 0.215 | 0.570 | 0.205 | 0.546 | 0.206 | 0.537 | 0.196 | 0.536 | 0.195 | 0.542 |
| Property services | 0.078 | 0.232 | 0.099 | 0.237 | 0.083 | 0.238 | 0.080 | 0.233 | 0.075 | 0.227 | 0.072 | 0.217 | 0.070 | 0.214 | 0.065 | 0.211 |
| Public and welfare services | 0.493 | 0.342 | 0.310 | 0.239 | 0.423 | 0.311 | 0.419 | 0.310 | 0.471 | 0.331 | 0.462 | 0.328 | 0.485 | 0.344 | 0.582 | 0.387 |
| Services provided by private households | 0.000 | 0.190 | 0.000 | 0.170 | 0.000 | 0.147 | 0.000 | 0.202 | 0.000 | 0.254 | 0.000 | 0.288 | 0.000 | 0.329 | 0.000 | 0.355 |

ICT = information and communication technology.

Note: "VAX_G" refers to domestic value added ultimately absorbed abroad as defined in Wang, Wei, and Zhu (2013).

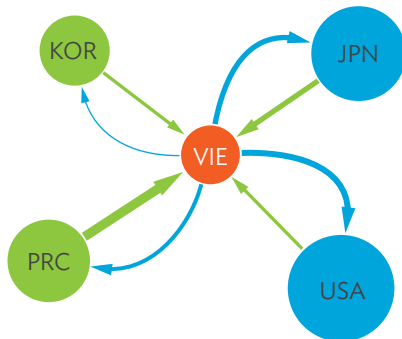
Source: Asian Development Bank Multi-Regional Input-Output Database.

10.4

GLOBAL VALUE CHAIN INDICATORS

Viet Nam

Figure 10.4.1a: Trade in Value-Added Flow with Top Trading Partners, 2010



● Economy in focus ● Import partner ● Export partner

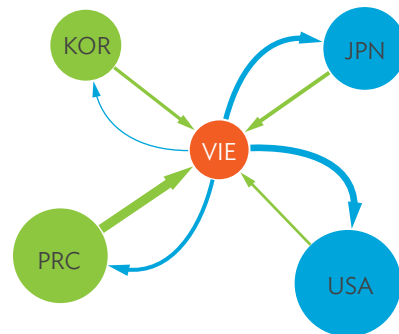
JPN = Japan, KOR = Republic of Korea, PRC = People's Republic of China, USA = United States, VIE = Viet Nam.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.4.1b: Trade in Value-Added Flow with Top Trading Partners, 2017



● Economy in focus ● Import partner ● Export partner

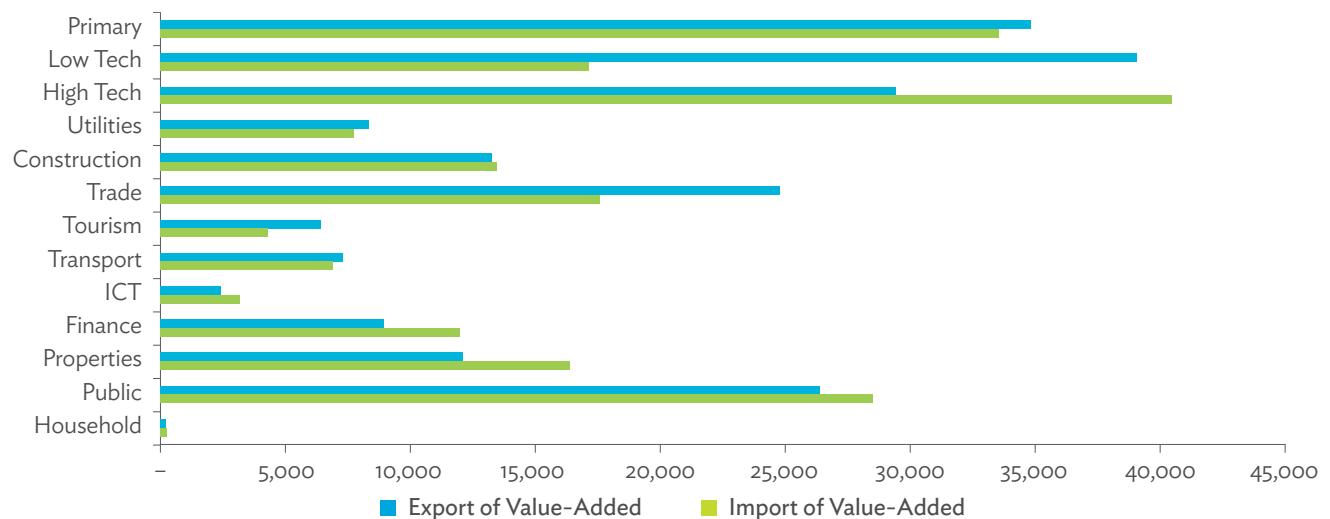
JPN = Japan, KOR = Republic of Korea, PRC = People's Republic of China, USA = United States, VIE = Viet Nam.

Note: The circle size is scaled in terms of gross domestic product; the arrow width is scaled according to the volume of trade in value-added.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.4.2: Trade in Value-Added by Industry, 2017 (\$ million)



\$ = United States dollar, ICT = information and communication technology.

Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

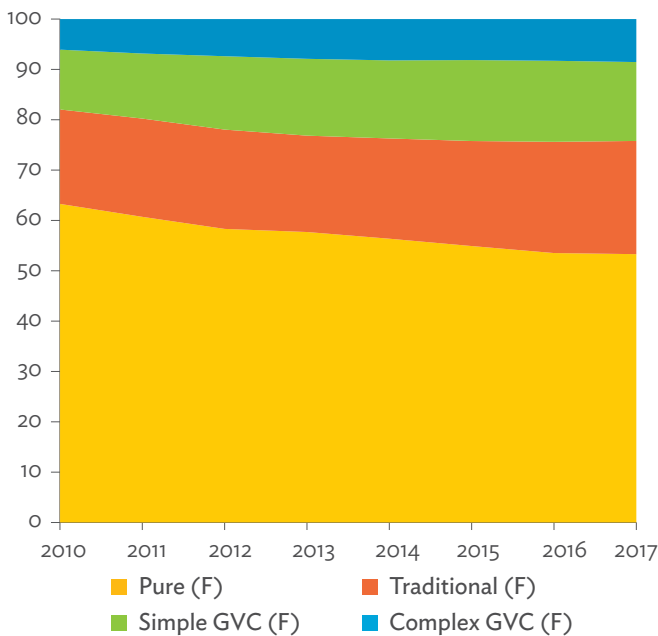
Figure 10.4.3: Trade in Value-Added, 2010–2017 (\$ million)



\$ = United States dollar.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

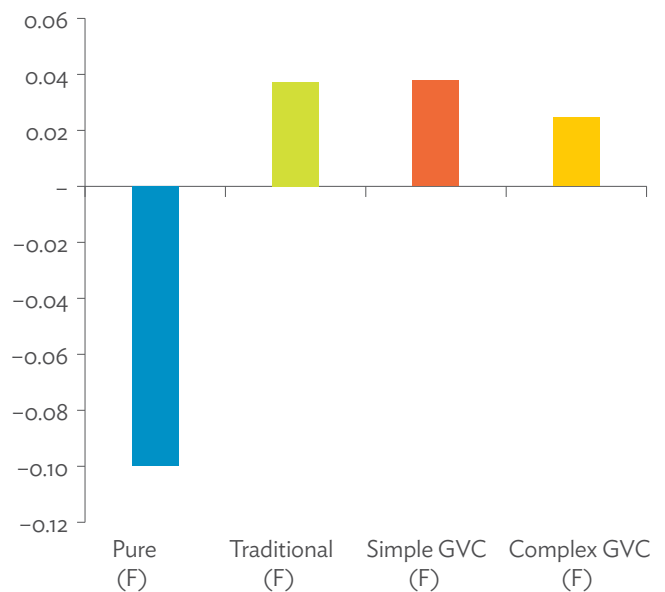
Figure 10.4.4: Trends in Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

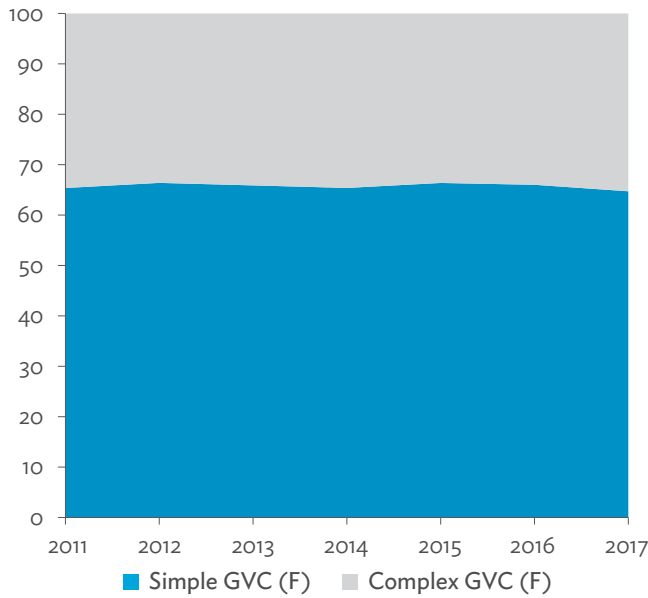
Figure 10.4.5: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Forward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input–Output Database.

[Click here for figure data](#)

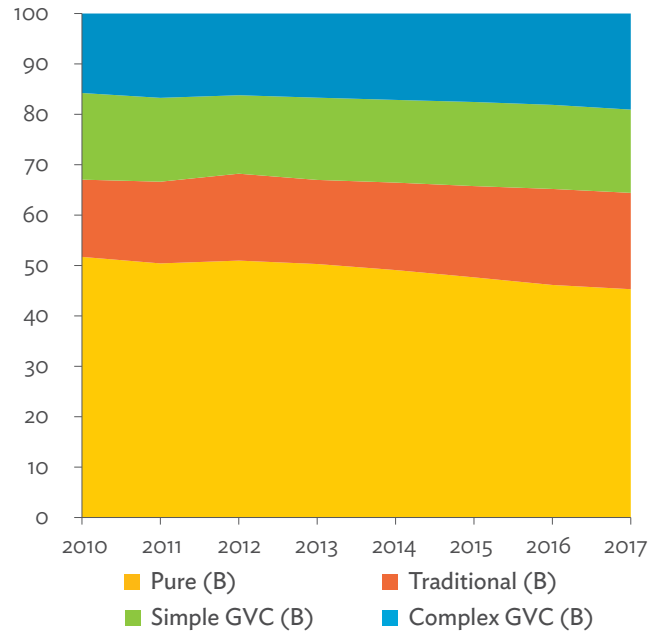
Figure 10.4.6: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Forward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

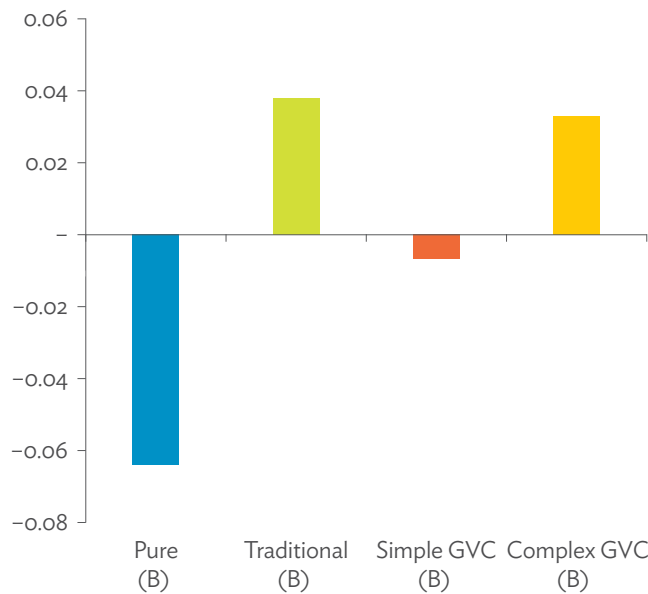
Figure 10.4.7: Production Activities as a Share of Gross Domestic Product, by Type of Value-Added Creation Activities Based on Backward Linkages, 2010–2017 (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

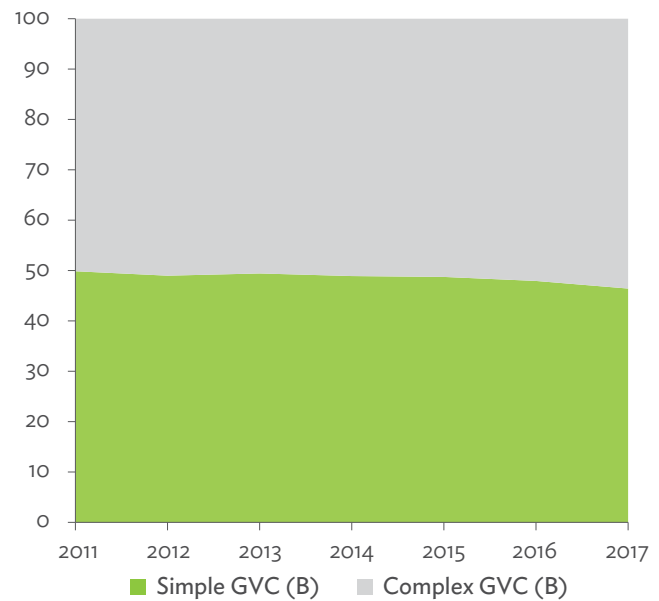
Figure 10.4.8: Structural Changes from 2010 to 2017 in Different Types of Value-Added Creation Activities Based on Backward Linkages (%)



GVC = global value chain.
Note: Share in 2017 minus share in 2010, in percentage points.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

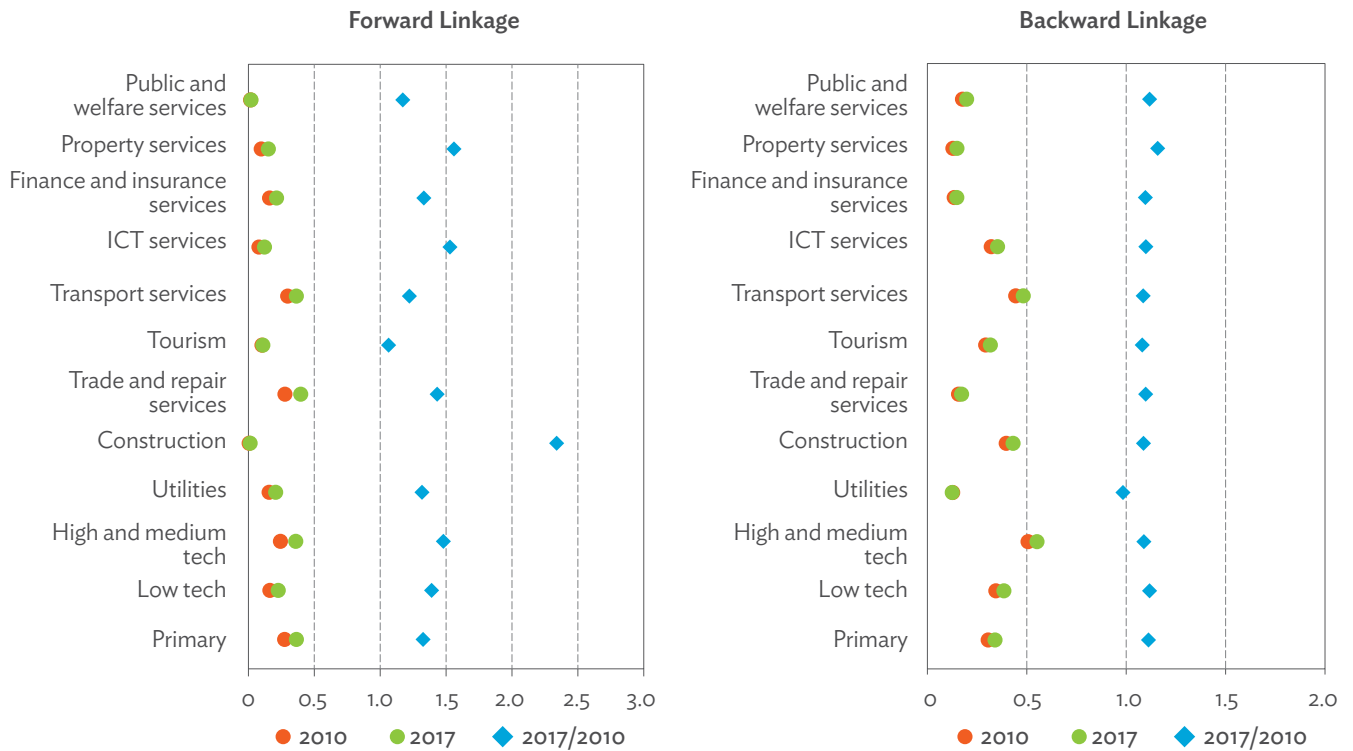
Figure 10.4.9: Simple Global Value Chain Production Activities as a Share of Total Global Value Chain Production Activities Based on Backward Linkages (%)



GVC = global value chain.
Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

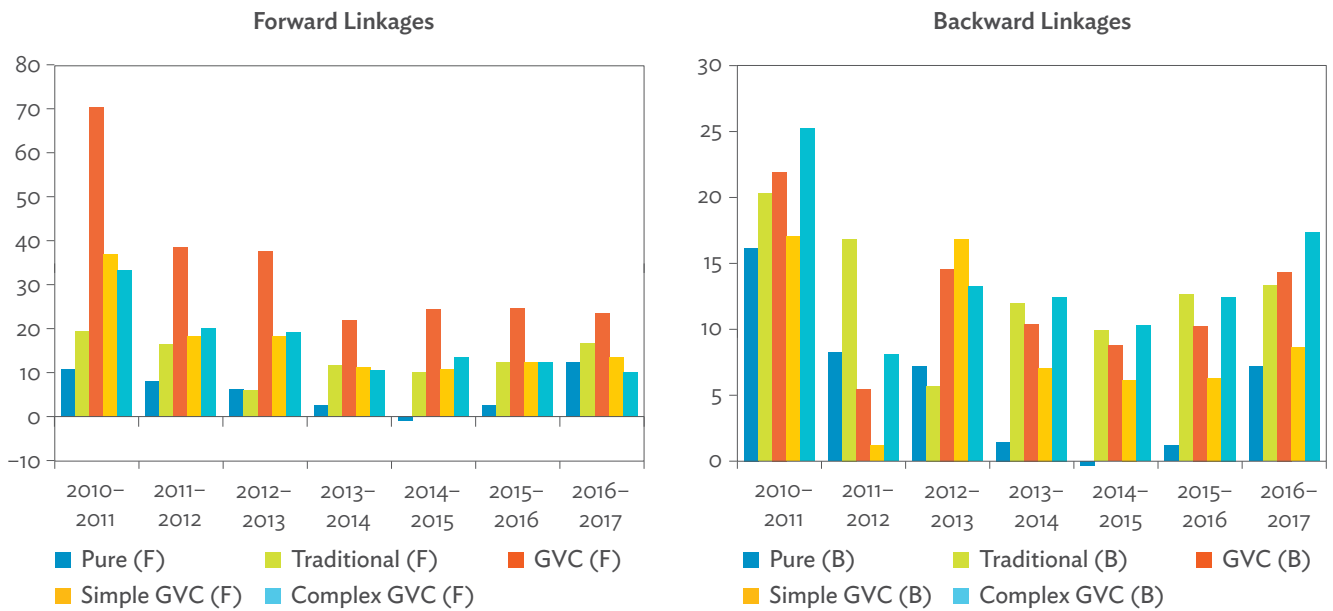
Figure 10.4.10: Global Value Chain Participation Based on Forward and Backward Linkages at the Sectoral Level, 2010 and 2017



ICT = information and communication technology.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)

Figure 10.4.11: Nominal Growth Rates of Different Value-Added Activities in the Manufacturing Sector, 2010–2017 (%)



GVC = global value chain.
 Source: Asian Development Bank Multi-Regional Input-Output Database.

[Click here for figure data](#)



APPENDIXES

Southeastern Asia and the Pacific

APPENDIX 1: INPUT-OUTPUT TABLES FOR 2010 AND 2017— BRUNEI DARUSSALAM

A1



Table A1.1: Brunei Darussalam Input–Output Table, 2010 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 |
| Mining and quarrying | c2 | 1 | 958 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | c3 | 2 | 3 | 1 | 0 | 0 | 0 | 0 |
| Textiles and textile products | c4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 5 | 244 | 1 | 0 | 0 | 0 | 1 |
| Chemicals and chemical products | c9 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | c10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 1 | 17 | 1 | 0 | 0 | 0 | 0 |
| Construction | c18 | 1 | 23 | 1 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 2 | 26 | 1 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 6 | 61 | 3 | 1 | 0 | 0 | 1 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1 | 9 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | c22 | 0 | 24 | 1 | 0 | 0 | 0 | 0 |
| Inland transport | c23 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Water transport | c24 | 2 | 21 | 1 | 0 | 0 | 0 | 0 |
| Air transport | c25 | 1 | 12 | 1 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 1 | 8 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | c27 | 1 | 68 | 1 | 0 | 0 | 0 | 1 |
| Financial intermediation | c28 | 3 | 71 | 1 | 1 | 0 | 0 | 0 |
| Real estate activities | c29 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 0 | 92 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | c31 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Education | c32 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A1.1 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 1 | 0 | 7 | 0 | 0 |
| 2,199 | 42 | 3 | 5 | 9 | 3 | 7 | 7 | 3 | 38 | 55 | 3 | 5 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 |
| 29 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 30 | 74 | 7 | 23 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 |
| 0 | 0 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 |
| 27 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 11 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 78 | 5 | 3 |
| 4 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 5 | 28 | 17 | 8 |
| 8 | 0 | 2 | 3 | 3 | 1 | 2 | 2 | 1 | 4 | 67 | 9 | 12 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 1 | 2 |
| 20 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 34 | 4 | 8 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 |
| 2 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 21 | 3 | 4 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 9 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 1 |
| 8 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 4 | 48 | 8 | 21 |
| 29 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | 50 | 16 | 44 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 105 | 17 | 10 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A1.1 Domestic Industry *continued*

| Industry | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|---|------------------------|------------------|-----------------|---------------|--|
| | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 5 | 0 | 0 | 0 |
| Mining and quarrying | c2 | 1 | 1 | 0 | 9 | 14 |
| Food, beverages, and tobacco | c3 | 0 | 3 | 0 | 1 | 1 |
| Textiles and textile products | c4 | 0 | 0 | 0 | 1 | 1 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 3 | 4 | 5 | 88 | 135 |
| Chemicals and chemical products | c9 | 0 | 0 | 0 | 2 | 3 |
| Rubber and plastics | c10 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | 0 | 0 | 0 | 0 | 1 |
| Basic metals and fabricated metal | c12 | 0 | 0 | 0 | 0 | 1 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 1 | 4 | 0 | 0 | 1 |
| Construction | c18 | 0 | 2 | 0 | 1 | 2 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 1 | 3 | 3 | 2 | 3 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 2 | 8 | 0 | 4 | 9 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 1 | 0 | 1 | 1 |
| Hotels and restaurants | c22 | 1 | 1 | 0 | 2 | 14 |
| Inland transport | c23 | 0 | 0 | 0 | 0 | 0 |
| Water transport | c24 | 1 | 3 | 0 | 14 | 3 |
| Air transport | c25 | 1 | 1 | 0 | 1 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 0 | 1 | 0 | 1 | 2 |
| Post and telecommunications | c27 | 3 | 3 | 1 | 7 | 7 |
| Financial intermediation | c28 | 6 | 8 | 3 | 9 | 28 |
| Real estate activities | c29 | 0 | 0 | 0 | 0 | 1 |
| Renting of M&Eq and other business activities | c30 | 1 | 1 | 0 | 6 | 4 |
| Public administration and defense; compulsory social security | c31 | 0 | 0 | 1 | 2 | 2 |
| Education | c32 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 0 | 1 | 1 |
| Other community, social, and personal services | c34 | 0 | 0 | 0 | 1 | 1 |
| Private households with employed persons | c35 | - | - | - | - | - |

continued on next page

Table A1.1 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 66 | 7 | 5 | 0 | - | 59 | - |
| 2 | 2 | 3 | 3 | 21 | 3 | 2 | 0 | - | 25 | - |
| 1 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | - | 10 | - |
| 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | - | 9 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 1 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | - | 3 | - |
| 3 | 9 | 1 | 11 | 97 | 7 | 4 | 1 | - | 63 | - |
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | - | 1 | - |
| 3 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | - | 2 | - |
| 5 | 2 | 0 | 0 | 7 | 1 | 1 | 0 | - | 5 | - |
| 1 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | - | 7 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 3 | - |
| 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | - | 5 | - |
| 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | - | 5 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 3 | - |
| 4 | 4 | 1 | 4 | 42 | 4 | 3 | 1 | - | 80 | - |
| 3 | 6 | 17 | 9 | 37 | 7 | 6 | 0 | - | 45 | - |
| 4 | 3 | 0 | 5 | 31 | 4 | 3 | 1 | - | 57 | - |
| 11 | 5 | 1 | 7 | 56 | 11 | 6 | 1 | - | 105 | 0 |
| 2 | 1 | 0 | 1 | 8 | 1 | 1 | 0 | - | 15 | 0 |
| 4 | 7 | 0 | 12 | 15 | 2 | 2 | 1 | - | 50 | - |
| 1 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | - | 2 | - |
| 3 | 2 | 0 | 4 | 20 | 3 | 2 | 0 | - | 11 | - |
| 3 | 3 | 0 | 13 | 27 | 1 | 1 | 1 | - | 11 | - |
| 1 | 1 | 0 | 2 | 6 | 1 | 1 | 0 | - | 6 | - |
| 79 | 18 | 1 | 20 | 44 | 11 | 8 | 2 | - | 64 | - |
| 5 | 23 | 7 | 19 | 3 | 2 | 2 | 1 | - | 328 | - |
| 0 | 0 | 2 | 2 | 10 | 0 | 1 | 1 | - | 454 | - |
| 9 | 10 | 2 | 55 | 53 | 32 | 18 | 1 | - | 19 | 0 |
| 2 | 1 | 0 | 1 | 60 | 1 | 0 | 0 | - | 9 | 2,295 |
| 1 | 1 | 0 | 1 | 30 | 11 | 2 | 0 | - | 47 | 468 |
| 1 | 1 | 0 | 1 | 26 | 1 | 5 | 0 | - | 12 | 208 |
| 1 | 1 | 0 | 2 | 15 | 1 | 1 | 1 | - | 71 | - |
| - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A1.1 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|--------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | 5 | (0) | 2 | 172 |
| Mining and quarrying | c2 | - | 856 | 31 | 4,843 | 9,157 |
| Food, beverages, and tobacco | c3 | - | 6 | 0 | 3 | 51 |
| Textiles and textile products | c4 | - | 1 | (0) | 4 | 31 |
| Leather, leather products, and footwear | c5 | - | 0 | (0) | 1 | 1 |
| Wood and products of wood and cork | c6 | - | 1 | 0 | 0 | 5 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | 6 | 0 | 2 | 25 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | - | (5) | 3,396 | 4,252 |
| Chemicals and chemical products | c9 | - | - | (0) | 65 | 81 |
| Rubber and plastics | c10 | - | 4 | 0 | 2 | 31 |
| Other nonmetallic minerals | c11 | - | 8 | 0 | 3 | 62 |
| Basic metals and fabricated metal | c12 | - | 26 | (0) | 6 | 66 |
| Machinery, nec | c13 | - | 10 | (0) | 2 | 25 |
| Electrical and optical equipment | c14 | - | 20 | (0) | 5 | 51 |
| Transport equipment | c15 | - | 20 | (0) | 5 | 51 |
| Manufacturing, nec; recycling | c16 | - | 10 | (0) | 2 | 25 |
| Electricity, gas, and water supply | c17 | - | 2 | - | 0 | 224 |
| Construction | c18 | - | 1,162 | 0 | 14 | 1,429 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | 60 | - | 22 | 302 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | - | 179 | (0) | 64 | 654 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | 25 | (0) | 9 | 92 |
| Hotels and restaurants | c22 | - | 2 | (0) | 12 | 221 |
| Inland transport | c23 | - | 0 | (0) | 12 | 30 |
| Water transport | c24 | - | - | - | 141 | 269 |
| Air transport | c25 | - | - | - | 224 | 341 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | 0 | - | 59 | 122 |
| Post and telecommunications | c27 | - | 7 | 0 | 7 | 449 |
| Financial intermediation | c28 | - | 3 | - | 14 | 700 |
| Real estate activities | c29 | - | 8 | (0) | 1 | 497 |
| Renting of M&Eq and other business activities | c30 | - | 23 | 0 | 48 | 529 |
| Public administration and defense; compulsory social security | c31 | - | - | - | 24 | 2,430 |
| Education | c32 | - | 0 | (0) | 2 | 578 |
| Health and social work | c33 | - | 3 | - | 3 | 282 |
| Other community, social, and personal services | c34 | - | 2 | 0 | 2 | 111 |
| Private households with employed persons | c35 | - | - | - | - | - |

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Table A1.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 55 | 0 | 0 | 0 | 0 | 1 |
| Food, beverages, and tobacco | m3 | 32 | 5 | 14 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 19 | 0 | 0 | 0 | 0 | 1 |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 7 | 0 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | m9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 0 | 53 | 0 | 0 | 0 | 0 | 1 |
| Machinery, nec | m13 | 0 | 22 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 44 | 0 | 0 | 0 | 0 | 1 |
| Transport equipment | m15 | 0 | 43 | 0 | 0 | 0 | 0 | 1 |
| Manufacturing, nec; recycling | m16 | 0 | 23 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 11 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 8 | 0 | 2 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 30 | 1 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Air transport | m25 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 0 | 9 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Real estate activities | m29 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | 84 | 0 | 1 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 70 | 2,143 | 33 | 9 | 1 | 3 | 14 |
| Taxes less subsidies on products | r99 | 1 | (8) | 0 | (0) | (0) | (0) | (0) |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 101 | 7,022 | 18 | 22 | 0 | 2 | 11 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 172 | 9,157 | 51 | 31 | 1 | 5 | 25 |

continued on next page

Table A1.1 Import Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Mining and quarrying | m2 | 7 | 0 | 0 | 1 | 1 | 0 | 1 |
| Food, beverages, and tobacco | m3 | 5 | 0 | 0 | 1 | 2 | 1 | 1 |
| Textiles and textile products | m4 | 2 | 0 | 0 | 0 | 2 | 1 | 1 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 2 | 3 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 0 | 0 | 3 | 6 | 1 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| Machinery, nec | m13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| Transport equipment | m15 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| Manufacturing, nec; recycling | m16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 25 | 0 | 0 | 0 | 1 | 0 | 1 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Real estate activities | m29 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 2,423 | 46 | 20 | 40 | 40 | 15 | 31 |
| Taxes less subsidies on products | r99 | (8) | (0) | (0) | (0) | (0) | (0) | (0) |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 1,837 | 35 | 11 | 22 | 26 | 10 | 20 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 4,252 | 81 | 31 | 62 | 66 | 25 | 51 |

continued on next page

Table A1.1 Import Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | | | | | |
| 1 | 0 | 0 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| 1 | 0 | 2 | 51 | 8 | 11 | 2 | 0 | 0 | 1 | 4 | 1 |
| 1 | 1 | 6 | 18 | 2 | 9 | 1 | 46 | 0 | 5 | 5 | 1 |
| 1 | 1 | 0 | 36 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 17 | 3 | 5 | 1 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 3 | 4 | 0 |
| 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 14 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 2 | 44 | 7 | 10 | 1 | 0 | 0 | 0 | 3 | 1 |
| 0 | 0 | 1 | 19 | 3 | 4 | 1 | 0 | 0 | 0 | 1 | 0 |
| 1 | 0 | 2 | 38 | 5 | 8 | 1 | 0 | 0 | 0 | 3 | 1 |
| 1 | 0 | 2 | 37 | 6 | 8 | 1 | 0 | 0 | 0 | 3 | 1 |
| 0 | 0 | 1 | 14 | 2 | 3 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 11 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 16 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 41 | 5 | 10 | 1 | 1 | 0 | 3 | 18 | 2 |
| 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 6 | 1 | 3 | 0 | 0 | 0 | 1 | 1 | 0 |
| 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 4 | 92 | 16 | 9 | 1 | 1 | 0 | 5 | 3 | 4 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 31 | 15 | 128 | 1,177 | 197 | 269 | 38 | 111 | 16 | 179 | 295 | 90 |
| (0) | (0) | (1) | 3 | (3) | (5) | (1) | 1 | (0) | (4) | (6) | (4) |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 20 | 10 | 97 | 248 | 108 | 391 | 55 | 109 | 15 | 94 | 51 | 35 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 51 | 25 | 224 | 1,429 | 302 | 654 | 92 | 221 | 30 | 269 | 341 | 122 |

continued on next page

Table A1.1 Import Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 47 |
| Mining and quarrying | m2 | 7 | 2 | 0 | 2 | 11 |
| Food, beverages, and tobacco | m3 | 1 | 2 | 2 | 3 | 54 |
| Textiles and textile products | m4 | 2 | 2 | 0 | 1 | 2 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 1 | 1 | 0 | 1 | 1 |
| Pulp, paper, paper products, printing, and publishing | m7 | 3 | 3 | 0 | 3 | 6 |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 0 | 0 | 0 | 2 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 2 |
| Rubber and plastics | m10 | 3 | 1 | 0 | 0 | 3 |
| Other nonmetallic minerals | m11 | 7 | 2 | 0 | 0 | 7 |
| Basic metals and fabricated metal | m12 | 6 | 1 | 0 | 1 | 10 |
| Machinery, nec | m13 | 3 | 1 | 0 | 0 | 4 |
| Electrical and optical equipment | m14 | 5 | 1 | 0 | 1 | 13 |
| Transport equipment | m15 | 5 | 1 | 0 | 1 | 9 |
| Manufacturing, nec; recycling | m16 | 2 | 0 | 0 | 0 | 3 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 1 | 1 | 0 | 6 | 4 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 1 | 2 | 0 | 4 | 13 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 1 | 0 |
| Hotels and restaurants | m22 | 5 | 9 | 0 | 14 | 14 |
| Inland transport | m23 | 0 | 0 | 0 | 1 | 1 |
| Water transport | m24 | 0 | 0 | 0 | 1 | 2 |
| Air transport | m25 | 1 | 1 | 0 | 3 | 6 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 9 | 2 | 0 | 3 | 5 |
| Financial intermediation | m28 | 0 | 1 | 0 | 1 | 1 |
| Real estate activities | m29 | 0 | 0 | 0 | 1 | 1 |
| Renting of M&Eq and other business activities | m30 | 8 | 9 | 2 | 49 | 62 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 1 |
| Education | m32 | 0 | 0 | 0 | 0 | 1 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 2 |
| Other community, social, and personal services | m34 | 0 | 1 | 0 | 1 | 1 |
| Private households with employed persons | m35 | – | – | – | – | – |
| Total intermediate consumption | r60 | 224 | 147 | 43 | 274 | 991 |
| Taxes less subsidies on products | r99 | (7) | (4) | (0) | (8) | (23) |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | 232 | 557 | 455 | 262 | 1,462 |
| International transport margins | | – | – | – | – | – |
| Output at basic prices | r69 | 449 | 700 | 497 | 529 | 2,430 |

continued on next page

Table A1.1 Import Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|--------------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 6 | 3 | 0 | - | 43 | - | - | 0 | (0) | - | 115 |
| 3 | 2 | 0 | - | 38 | - | - | 177 | (1) | - | 388 |
| 14 | 7 | 1 | - | 69 | - | - | 0 | 0 | - | 309 |
| 3 | 1 | 0 | - | 35 | - | - | 0 | (0) | - | 101 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | (0) | - | 0 |
| 1 | 0 | 0 | - | 3 | - | - | 9 | (0) | - | 27 |
| 5 | 1 | 0 | - | 15 | - | - | 49 | (0) | - | 139 |
| 0 | 0 | 0 | - | 2 | - | - | 0 | (0) | - | 24 |
| 0 | 7 | 0 | - | 6 | - | - | 0 | (0) | - | 20 |
| 0 | 0 | 0 | - | 2 | - | - | 2 | 0 | - | 32 |
| 1 | 1 | 0 | - | 2 | - | - | 4 | 0 | - | 58 |
| 2 | 2 | 0 | - | 31 | - | - | 142 | (1) | - | 324 |
| 1 | 1 | 0 | - | 14 | - | - | 60 | (0) | - | 137 |
| 2 | 2 | 0 | - | 47 | - | - | 120 | (1) | - | 301 |
| 2 | 2 | 0 | - | 33 | - | - | 120 | (1) | - | 279 |
| 1 | 1 | 0 | - | 9 | - | - | 43 | (0) | - | 106 |
| 0 | 0 | 0 | - | 0 | 0 | - | 0 | 0 | - | 0 |
| 3 | 1 | 0 | - | 1 | 0 | - | 6 | 0 | - | 54 |
| 0 | 0 | 0 | - | 0 | 0 | - | 0 | 0 | - | 3 |
| 2 | 1 | 0 | - | 6 | 0 | - | 6 | 0 | - | 72 |
| 0 | 0 | 0 | - | 1 | 0 | - | 0 | 0 | - | 7 |
| 3 | 2 | 1 | - | 54 | 0 | - | 0 | 0 | - | 245 |
| 1 | 0 | 0 | - | 1 | 0 | - | 0 | 0 | - | 12 |
| 1 | 0 | 0 | - | 2 | - | - | 0 | 0 | - | 17 |
| 0 | 0 | 0 | - | 3 | - | - | 0 | 0 | - | 28 |
| 0 | 0 | 0 | - | 0 | 0 | - | 0 | 0 | - | 3 |
| 2 | 1 | 0 | - | 6 | 0 | - | 0 | 0 | - | 52 |
| 0 | 0 | 0 | - | 10 | - | - | 0 | 0 | - | 22 |
| 0 | 0 | 0 | - | 3 | 0 | - | 0 | 0 | - | 12 |
| 28 | 13 | 1 | - | 10 | 0 | - | 1 | 0 | - | 412 |
| 0 | 0 | 0 | - | 0 | 31 | - | 0 | - | - | 32 |
| 1 | 0 | 0 | - | 2 | 18 | - | 0 | (0) | - | 23 |
| 0 | 0 | 0 | - | 0 | 18 | - | 0 | 0 | - | 23 |
| 0 | 0 | 0 | - | 5 | 0 | - | 0 | 0 | - | 21 |
| - | - | - | - | - | - | - | - | - | - | - |
| 200 | 127 | 18 | - | 2,037 | 3,036 | - | 3,187 | 23 | 9,000 | 26,743 |
| (2) | (1) | (1) | - | (21) | - | - | 39 | 0 | - | (64) |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 380 | 156 | 93 | - | - | - | - | - | - | - | 13,966 |
| - | - | - | - | - | - | - | - | - | - | - |
| 578 | 282 | 111 | - | 2,017 | 3,036 | - | 3,226 | 23 | 9,000 | 40,645 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A1.2: Brunei Darussalam Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 4 | 1 | 1 | 0 | 0 | 0 | 0 |
| Mining and quarrying | c2 | 1 | 627 | 0 | 0 | 0 | 0 | 1 |
| Food, beverages, and tobacco | c3 | 5 | 1 | 1 | 0 | 0 | 0 | 0 |
| Textiles and textile products | c4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 5 | 174 | 1 | 0 | 0 | 0 | 1 |
| Chemicals and chemical products | c9 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | c10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | 1 | 3 | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 1 | 11 | 0 | 0 | 0 | 0 | 0 |
| Construction | c18 | 1 | 22 | 1 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 2 | 19 | 1 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 6 | 47 | 2 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1 | 6 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | c22 | 0 | 15 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | c23 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Water transport | c24 | 4 | 27 | 1 | 0 | 0 | 0 | 0 |
| Air transport | c25 | 3 | 27 | 1 | 1 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 1 | 6 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | c27 | 1 | 40 | 1 | 0 | 0 | 0 | 0 |
| Financial intermediation | c28 | 3 | 52 | 1 | 0 | 0 | 0 | 0 |
| Real estate activities | c29 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 1 | 95 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | c31 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Education | c32 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A1.2 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 7 | 0 | 0 |
| 1,646 | 23 | 1 | 2 | 4 | 2 | 3 | 3 | 2 | 39 | 88 | 7 | 12 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 |
| 25 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 34 | 68 | 5 | 20 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 |
| 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 2 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 8 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 75 | 5 | 3 |
| 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 | 26 | 13 | 6 |
| 9 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 4 | 68 | 8 | 11 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 1 | 1 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 28 | 3 | 6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 |
| 4 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 2 | 35 | 4 | 6 |
| 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 27 | 23 | 25 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 1 |
| 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 37 | 5 | 15 |
| 26 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 9 | 48 | 13 | 38 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 1 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 140 | 19 | 12 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 1 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A1.2 Domestic Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|-----|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 6 | 0 | 0 | 0 | 0 |
| Mining and quarrying | c2 | 2 | 1 | 0 | 10 | 10 | 2 |
| Food, beverages, and tobacco | c3 | 0 | 6 | 0 | 1 | 0 | 0 |
| Textiles and textile products | c4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 3 | 4 | 3 | 101 | 87 | 6 |
| Chemicals and chemical products | c9 | 0 | 0 | 0 | 2 | 2 | 0 |
| Rubber and plastics | c10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | 0 | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 1 | 3 | 0 | 0 | 1 | 1 |
| Construction | c18 | 0 | 2 | 0 | 2 | 2 | 2 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 1 | 3 | 2 | 3 | 2 | 2 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 1 | 8 | 0 | 6 | 7 | 3 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 1 | 0 | 1 | 1 | 0 |
| Hotels and restaurants | c22 | 1 | 0 | 0 | 2 | 8 | 2 |
| Inland transport | c23 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | c24 | 1 | 4 | 0 | 29 | 3 | 5 |
| Air transport | c25 | 3 | 3 | 0 | 2 | 4 | 39 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 0 | 1 | 0 | 1 | 1 | 17 |
| Post and telecommunications | c27 | 2 | 3 | 0 | 6 | 4 | 3 |
| Financial intermediation | c28 | 5 | 8 | 2 | 10 | 19 | 11 |
| Real estate activities | c29 | 0 | 0 | 0 | 0 | 1 | 0 |
| Renting of M&Eq and other business activities | c30 | 2 | 2 | 0 | 10 | 3 | 9 |
| Public administration and defense; compulsory social security | c31 | 0 | 0 | 0 | 2 | 1 | 17 |
| Education | c32 | 0 | 0 | 0 | 1 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 0 | 1 | 1 | 1 |
| Other community, social, and personal services | c34 | 0 | 0 | 0 | 1 | 2 | 0 |
| Private households with employed persons | c35 | – | – | – | – | – | – |

continued on next page

Table A1.2 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 62 | 6 | 5 | 0 | - | 89 | - |
| 5 | 4 | 3 | 3 | 24 | 4 | 4 | 1 | - | 52 | - |
| 0 | 0 | 0 | 0 | 7 | 1 | 1 | 0 | - | 14 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 8 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | - | 3 | - |
| 2 | 9 | 1 | 8 | 76 | 5 | 4 | 1 | - | 84 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 2 | - |
| 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | - | 2 | - |
| 4 | 2 | 0 | 0 | 7 | 1 | 1 | 0 | - | 4 | - |
| 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | - | 6 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 5 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 3 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 2 | - |
| 2 | 3 | 1 | 2 | 29 | 2 | 2 | 1 | - | 89 | - |
| 2 | 7 | 16 | 10 | 31 | 7 | 7 | 0 | - | 40 | - |
| 2 | 3 | 0 | 4 | 24 | 3 | 3 | 1 | - | 62 | - |
| 7 | 7 | 1 | 7 | 46 | 9 | 7 | 1 | - | 115 | - |
| 1 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | - | 15 | - |
| 2 | 7 | 0 | 8 | 11 | 2 | 2 | 1 | - | 59 | - |
| 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | - | 2 | - |
| 4 | 3 | 0 | 5 | 29 | 4 | 3 | 1 | - | 23 | - |
| 5 | 12 | 1 | 32 | 72 | 3 | 2 | 2 | - | 58 | - |
| 1 | 1 | 0 | 2 | 5 | 1 | 1 | 0 | - | 9 | - |
| 39 | 15 | 1 | 12 | 28 | 7 | 6 | 2 | - | 68 | - |
| 3 | 25 | 7 | 14 | 3 | 2 | 2 | 1 | - | 432 | - |
| 0 | 1 | 2 | 2 | 7 | 0 | 1 | 1 | - | 495 | - |
| 8 | 16 | 3 | 59 | 59 | 34 | 24 | 2 | - | 27 | - |
| 1 | 1 | 0 | 1 | 48 | 1 | 0 | 0 | - | 13 | - |
| 0 | 1 | 0 | 1 | 23 | 8 | 2 | 0 | - | 67 | - |
| 1 | 1 | 0 | 1 | 22 | 1 | 6 | 0 | - | 18 | - |
| 1 | 2 | 0 | 2 | 11 | 1 | 1 | 1 | - | 83 | - |
| - | - | - | - | - | - | - | - | - | - | - |

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Table A1.2 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|--------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | 5 | 13 | 22 | 225 |
| Mining and quarrying | c2 | - | 1,086 | 230 | 2,990 | 6,893 |
| Food, beverages, and tobacco | c3 | - | 1 | 2 | 9 | 57 |
| Textiles and textile products | c4 | - | 0 | 2 | 14 | 33 |
| Leather, leather products, and footwear | c5 | - | 0 | (0) | 0 | 0 |
| Wood and products of wood and cork | c6 | - | 2 | (3) | 0 | 3 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | 11 | (12) | 1 | 14 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | - | 180 | 2,331 | 3,241 |
| Chemicals and chemical products | c9 | - | - | (1) | 32 | 44 |
| Rubber and plastics | c10 | - | 5 | (11) | 2 | 17 |
| Other nonmetallic minerals | c11 | - | 10 | (25) | 2 | 34 |
| Basic metals and fabricated metal | c12 | - | 35 | (30) | 4 | 36 |
| Machinery, nec | c13 | - | 9 | (8) | 6 | 14 |
| Electrical and optical equipment | c14 | - | 26 | (24) | 7 | 28 |
| Transport equipment | c15 | - | 19 | (16) | 12 | 28 |
| Manufacturing, nec; recycling | c16 | - | 13 | (11) | 2 | 14 |
| Electricity, gas, and water supply | c17 | - | 2 | 54 | 25 | 270 |
| Construction | c18 | - | 1,367 | 99 | 51 | 1,756 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | 87 | 23 | 36 | 341 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 0 | 249 | 50 | 50 | 738 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 32 | 7 | 15 | 103 |
| Hotels and restaurants | c22 | - | 1 | 45 | 48 | 270 |
| Inland transport | c23 | - | 0 | (8) | 8 | 17 |
| Water transport | c24 | - | - | 50 | 91 | 343 |
| Air transport | c25 | - | - | (144) | 22 | 230 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | 1 | 39 | 115 | 214 |
| Post and telecommunications | c27 | - | 9 | 43 | 26 | 383 |
| Financial intermediation | c28 | - | 5 | 161 | 25 | 929 |
| Real estate activities | c29 | - | 12 | (12) | 2 | 528 |
| Renting of M&Eq and other business activities | c30 | 0 | 32 | (23) | 7 | 559 |
| Public administration and defense; compulsory social security | c31 | 2,493 | - | (89) | 10 | 2,516 |
| Education | c32 | 479 | 0 | 64 | 7 | 666 |
| Health and social work | c33 | 239 | 5 | 14 | 13 | 340 |
| Other community, social, and personal services | c34 | - | 2 | 6 | 26 | 155 |
| Private households with employed persons | c35 | - | - | - | - | - |

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Table A1.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 4 | 1 | 1 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 104 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 43 | 7 | 17 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 17 | 0 | 0 | 0 | 0 | 1 |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | m9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 0 | 41 | 0 | 0 | 0 | 0 | 1 |
| Machinery, nec | m13 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 32 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | m15 | 0 | 33 | 0 | 0 | 0 | 0 | 1 |
| Manufacturing, nec; recycling | m16 | 0 | 13 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 1 | 4 | 0 | 1 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 28 | 1 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Air transport | m25 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 0 | 19 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | 59 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 93 | 1,614 | 37 | 8 | 0 | 2 | 8 |
| Taxes less subsidies on products | r99 | 1 | (7) | 0 | (0) | (0) | (0) | (0) |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 132 | 5,286 | 20 | 25 | 0 | 1 | 6 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 225 | 6,893 | 57 | 33 | 0 | 3 | 14 |

continued on next page

Table A1.2 Imports Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Mining and quarrying | m2 | 43 | 1 | 0 | 0 | 1 | 0 | 1 |
| Food, beverages, and tobacco | m3 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| Textiles and textile products | m4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 1 | 2 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 0 | 0 | 2 | 3 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 6 | 0 | 0 | 0 | 1 | 0 | 1 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 1,848 | 25 | 11 | 22 | 22 | 8 | 17 |
| Taxes less subsidies on products | r99 | (7) | (0) | (0) | (0) | (0) | (0) | (0) |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 1,400 | 19 | 6 | 12 | 14 | 5 | 11 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 3,241 | 44 | 17 | 34 | 36 | 14 | 28 |

continued on next page

Table A1.2 Imports Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | | | | | |
| 1 | 0 | 0 | 8 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 0 | 0 | 5 | 18 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 0 |
| 1 | 0 | 9 | 34 | 3 | 14 | 2 | 62 | 0 | 7 | 4 | 3 |
| 1 | 0 | 0 | 58 | 5 | 0 | 0 | 1 | 0 | 4 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 29 | 5 | 7 | 1 | 1 | 0 | 0 | 1 | 1 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 19 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 3 | 69 | 11 | 14 | 2 | 1 | 0 | 1 | 2 | 2 |
| 0 | 0 | 1 | 24 | 4 | 5 | 1 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 2 | 49 | 7 | 10 | 1 | 1 | 0 | 1 | 2 | 1 |
| 0 | 0 | 2 | 51 | 8 | 10 | 1 | 1 | 0 | 1 | 2 | 1 |
| 0 | 0 | 2 | 30 | 4 | 6 | 1 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 13 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 13 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 0 |
| 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 2 | 76 | 9 | 15 | 2 | 1 | 0 | 4 | 14 | 5 |
| 0 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 2 | 30 | 5 | 12 | 2 | 2 | 0 | 4 | 2 | 2 |
| 0 | 0 | 1 | 7 | 2 | 5 | 1 | 1 | 0 | 1 | 2 | 1 |
| 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 6 | 136 | 20 | 11 | 1 | 1 | 0 | 6 | 2 | 7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 17 | 8 | 154 | 1,448 | 221 | 302 | 39 | 136 | 9 | 227 | 200 | 155 |
| (0) | (0) | (1) | 3 | (3) | (5) | (1) | 1 | (0) | (3) | (5) | (3) |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | 5 | 117 | 305 | 122 | 440 | 65 | 133 | 8 | 120 | 35 | 62 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 28 | 14 | 270 | 1,756 | 341 | 738 | 103 | 270 | 17 | 343 | 230 | 214 |

continued on next page

Table A1.2 Imports Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 64 |
| Mining and quarrying | m2 | 1 | 1 | 0 | 1 | 4 |
| Food, beverages, and tobacco | m3 | 1 | 4 | 2 | 5 | 75 |
| Textiles and textile products | m4 | 2 | 3 | 0 | 1 | 3 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 1 | 1 | 0 | 1 | 2 |
| Pulp, paper, paper products, printing, and publishing | m7 | 4 | 5 | 0 | 5 | 10 |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 0 | 0 | 0 | 1 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 1 |
| Rubber and plastics | m10 | 4 | 1 | 0 | 0 | 5 |
| Other nonmetallic minerals | m11 | 6 | 2 | 0 | 0 | 8 |
| Basic metals and fabricated metal | m12 | 6 | 2 | 0 | 1 | 14 |
| Machinery, nec | m13 | 2 | 1 | 0 | 0 | 5 |
| Electrical and optical equipment | m14 | 5 | 2 | 0 | 1 | 14 |
| Transport equipment | m15 | 5 | 2 | 0 | 1 | 12 |
| Manufacturing, nec; recycling | m16 | 3 | 1 | 0 | 1 | 7 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 2 |
| Construction | m18 | 0 | 1 | 1 | 2 | 4 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 1 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 1 | 1 | 0 | 2 | 10 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 1 |
| Hotels and restaurants | m22 | 7 | 15 | 0 | 22 | 23 |
| Inland transport | m23 | 0 | 0 | 0 | 1 | 2 |
| Water transport | m24 | 0 | 0 | 0 | 0 | 1 |
| Air transport | m25 | 0 | 1 | 0 | 2 | 4 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 35 | 10 | 0 | 10 | 22 |
| Financial intermediation | m28 | 1 | 3 | 1 | 2 | 1 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 1 |
| Renting of M&Eq and other business activities | m30 | 8 | 12 | 2 | 52 | 74 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 1 |
| Education | m32 | 0 | 0 | 0 | 0 | 2 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 2 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 1 | 3 |
| Private households with employed persons | m35 | – | – | – | – | – |
| Total intermediate consumption | r60 | 191 | 193 | 46 | 288 | 1,022 |
| Taxes less subsidies on products | r99 | (6) | (3) | (0) | (7) | (20) |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | 198 | 739 | 483 | 277 | 1,513 |
| International transport margins | | – | – | – | – | – |
| Output at basic prices | r69 | 383 | 929 | 528 | 559 | 2,516 |

continued on next page

Table A1.2 Imports Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|--------------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 10 | 5 | 0 | - | 60 | - | - | 3 | (0) | - | 165 |
| 1 | 1 | 0 | - | 10 | - | - | 136 | (0) | - | 337 |
| 22 | 10 | 1 | - | 91 | - | - | 7 | 0 | - | 430 |
| 4 | 1 | 0 | - | 49 | - | - | 1 | (0) | - | 142 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | - | 0 |
| 2 | 0 | 0 | - | 5 | - | - | 15 | (0) | - | 42 |
| 9 | 1 | 1 | - | 21 | - | - | 70 | (0) | - | 192 |
| 0 | 0 | 0 | - | 1 | - | - | 0 | (0) | - | 12 |
| 0 | 7 | 0 | - | 3 | - | - | 0 | (0) | - | 15 |
| 1 | 1 | 0 | - | 2 | - | - | 4 | 0 | - | 39 |
| 1 | 1 | 0 | - | 4 | - | - | 7 | 0 | - | 67 |
| 4 | 2 | 0 | - | 40 | - | - | 177 | (0) | - | 398 |
| 1 | 1 | 0 | - | 14 | - | - | 67 | (1) | - | 142 |
| 3 | 2 | 0 | - | 41 | - | - | 140 | (2) | - | 314 |
| 3 | 2 | 0 | - | 31 | - | - | 137 | (2) | - | 303 |
| 2 | 1 | 0 | - | 18 | - | - | 82 | (0) | - | 173 |
| 0 | 0 | 0 | - | 5 | - | 0 | 0 | (0) | - | 12 |
| 2 | 1 | 0 | - | 5 | - | 0 | 130 | 0 | - | 165 |
| 0 | 0 | 0 | - | 3 | - | 0 | 3 | 0 | - | 13 |
| 2 | 1 | 0 | - | 11 | - | 0 | 18 | (0) | - | 72 |
| 0 | 0 | 0 | - | 3 | - | 0 | 3 | 0 | - | 13 |
| 6 | 4 | 1 | - | 94 | - | 0 | 1 | 0 | - | 340 |
| 1 | 0 | 0 | - | 1 | - | 0 | 0 | 0 | - | 14 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | (0) | - | 7 |
| 0 | 0 | 0 | - | 2 | - | 0 | 0 | (0) | - | 21 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 4 |
| 7 | 4 | 1 | - | 30 | - | 0 | 3 | (0) | - | 204 |
| 0 | 0 | 0 | - | 34 | - | - | 0 | 0 | - | 70 |
| 0 | 0 | 0 | - | 86 | - | 0 | 1 | 0 | - | 95 |
| 39 | 16 | 1 | - | 15 | - | 0 | 12 | 0 | - | 481 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | (0) | - | 2 |
| 1 | 0 | 0 | - | 4 | - | 0 | 0 | 0 | - | 9 |
| 0 | 0 | 0 | - | 1 | - | 0 | 0 | 0 | - | 5 |
| 0 | 0 | 0 | - | 13 | - | 0 | 0 | 0 | - | 21 |
| - | - | - | - | - | - | - | - | - | - | - |
| 229 | 153 | 25 | - | 2,647 | - | 3,211 | 4,049 | 658 | 6,012 | 25,356 |
| (2) | (1) | (1) | - | (164) | - | - | 33 | 0 | - | (201) |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 438 | 188 | 130 | - | - | - | - | - | - | - | 12,329 |
| - | - | - | - | - | - | - | - | - | - | - |
| 666 | 340 | 155 | - | 2,483 | - | 3,211 | 4,082 | 658 | 6,012 | 37,484 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

A2

APPENDIX 2: INPUT-OUTPUT TABLES FOR 2010 AND 2017—CAMBODIA

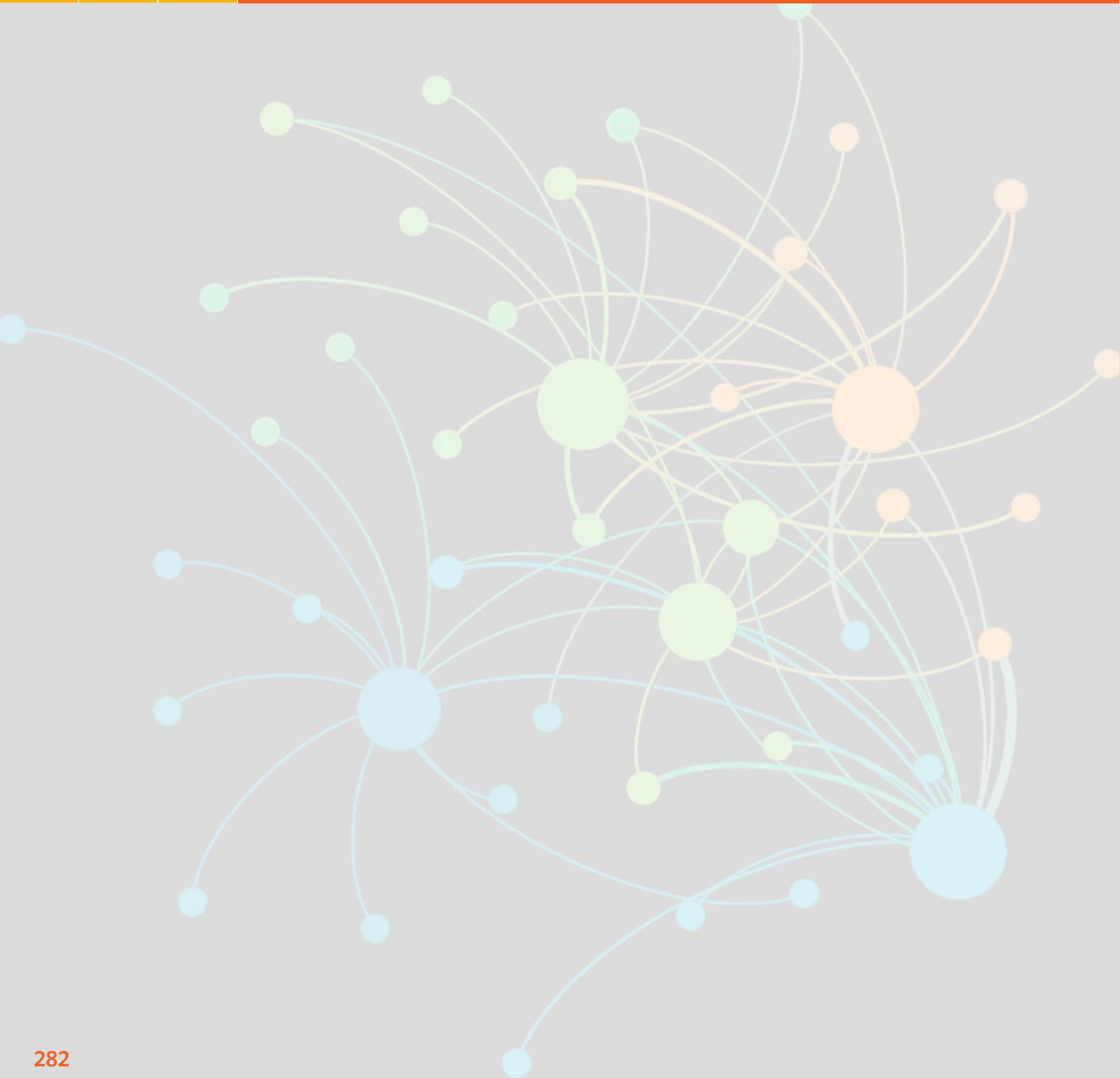


Table A2.1: Cambodia Input–Output Table, 2010 (current prices, \$ million)

| Industry | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing | |
|--|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|----|
| | c1 | c2 | c3 | c4 | c5 | c6 | c7 | |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 600 | 0 | 336 | 5 | – | 8 | 10 |
| Mining and quarrying | c2 | 4 | 1 | 1 | 1 | – | 0 | 1 |
| Food, beverages, and tobacco | c3 | 14 | 0 | 105 | 2 | – | 0 | 1 |
| Textiles and textile products | c4 | 5 | 0 | 2 | 1,057 | – | 0 | 0 |
| Leather, leather products, and footwear | c5 | – | – | – | – | – | – | – |
| Wood and products of wood and cork | c6 | 9 | – | 0 | 3 | – | 2 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 0 | 0 | 0 | – | 0 | 12 |
| Coke, refined petroleum, and nuclear fuel | c8 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Chemicals and chemical products | c9 | 42 | 0 | 0 | 0 | – | – | – |
| Rubber and plastics | c10 | 4 | – | 18 | 19 | – | 0 | 5 |
| Other nonmetallic minerals | c11 | 0 | 0 | 9 | 0 | – | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | – | 0 | 2 | – | 0 | 1 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | – | 0 | 0 | – | 0 | 0 |
| Transport equipment | c15 | – | – | 0 | 0 | – | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Electricity, gas, and water supply | c17 | 8 | 0 | 10 | 10 | – | 0 | 7 |
| Construction | c18 | 1 | 3 | – | – | – | – | – |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | – | – | – | – | – | – | – |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 110 | 2 | 61 | 185 | – | 2 | 5 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 2 | 0 | 1 | 3 | – | 0 | 0 |
| Hotels and restaurants | c22 | 8 | 0 | 11 | 15 | – | 0 | 1 |
| Inland transport | c23 | 35 | 1 | 27 | 46 | – | 1 | 2 |
| Water transport | c24 | – | – | – | – | – | – | – |
| Air transport | c25 | – | – | – | – | – | – | – |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | – | – | – | – | – | – | – |
| Post and telecommunications | c27 | 0 | 1 | 8 | 6 | – | 1 | 1 |
| Financial intermediation | c28 | 0 | 1 | 3 | 1 | – | 0 | 0 |
| Real estate activities | c29 | 0 | 6 | 11 | 4 | – | 4 | 1 |
| Renting of M&Eq and other business activities | c30 | 16 | 1 | 8 | 25 | – | 0 | 1 |
| Public administration and defense; compulsory social security | c31 | 1 | 0 | 0 | 0 | – | 0 | 0 |
| Education | c32 | – | – | – | – | – | – | – |
| Health and social work | c33 | – | – | – | – | – | – | – |
| Other community, social, and personal services | c34 | 21 | 0 | 4 | 1 | – | 0 | 0 |
| Private households with employed persons | c35 | – | – | – | – | – | – | – |

continued on next page

Table A2.1 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | 12 | 5 | 0 | 0 | - | - |
| Mining and quarrying | c2 | - | 0 | 0 | 4 | 7 | 0 | 0 |
| Food, beverages, and tobacco | c3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Textiles and textile products | c4 | 0 | 0 | 17 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | c5 | - | - | - | - | - | - | - |
| Wood and products of wood and cork | c6 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | 0 | 0 | 0 | 1 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | c9 | - | 3 | 8 | 0 | 0 | - | - |
| Rubber and plastics | c10 | - | 1 | 26 | 1 | 3 | 0 | 0 |
| Other nonmetallic minerals | c11 | - | 2 | 3 | 1 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | - | 0 | 1 | 0 | 8 | 0 | 0 |
| Machinery, nec | c13 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | - | 0 | 0 | 0 | 1 | 0 | 0 |
| Electricity, gas, and water supply | c17 | - | 1 | 4 | 0 | 1 | 0 | 0 |
| Construction | c18 | - | - | - | - | - | - | - |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | - | - | - | - | - | - |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 0 | 4 | 15 | 1 | 7 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | c22 | 0 | 1 | 3 | 0 | 1 | 0 | 0 |
| Inland transport | c23 | 0 | 2 | 7 | 1 | 5 | 0 | 0 |
| Water transport | c24 | - | - | - | - | - | - | - |
| Air transport | c25 | - | - | - | - | - | - | - |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | - | - | - | - | - | - |
| Post and telecommunications | c27 | - | 2 | 3 | 1 | 1 | 0 | 0 |
| Financial intermediation | c28 | - | 2 | 0 | 0 | 0 | 0 | 0 |
| Real estate activities | c29 | - | 0 | 3 | 0 | 0 | - | - |
| Renting of M&Eq and other business activities | c30 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | c31 | - | 0 | 0 | 0 | 0 | - | - |
| Education | c32 | - | 0 | - | - | - | - | - |
| Health and social work | c33 | - | - | - | - | - | - | - |
| Other community, social, and personal services | c34 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A2.1 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 0 | 0 | 50 | 27 | - | 97 | 0 | 352 | 13 | - | - | - |
| 0 | 0 | 26 | 6 | - | 0 | 0 | 1 | 0 | - | - | - |
| 0 | 0 | 2 | 6 | - | 11 | 0 | 95 | 2 | - | - | - |
| 0 | 0 | 0 | 3 | - | 3 | 0 | 3 | 1 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 0 | 1 | 2 | - | 3 | - | 2 | 0 | - | - | - |
| 0 | 0 | 0 | 0 | - | 1 | 0 | 2 | 0 | - | - | - |
| 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | - | - |
| 0 | 0 | 0 | 0 | - | 1 | 0 | 0 | 0 | - | - | - |
| 1 | 1 | 0 | 9 | - | 28 | 1 | 3 | 6 | - | - | - |
| 0 | 0 | 1 | 7 | - | 5 | 0 | 0 | 1 | - | - | - |
| 1 | 2 | 1 | 72 | - | 3 | 0 | 1 | 7 | - | - | - |
| 0 | 0 | 0 | 1 | - | 1 | 0 | 0 | 1 | - | - | - |
| 0 | 0 | 0 | 0 | - | 0 | - | 0 | 0 | - | - | - |
| 1 | 0 | 1 | 0 | - | 0 | - | 1 | 1 | - | - | - |
| 0 | 0 | 0 | 4 | - | 3 | 0 | 1 | 2 | - | - | - |
| 0 | 0 | 42 | 2 | - | 2 | 1 | 4 | 4 | - | - | - |
| - | - | 60 | 68 | - | - | - | 1 | 17 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | 2 | 31 | 56 | - | 46 | 1 | 55 | 27 | - | - | - |
| 0 | 0 | 1 | 1 | - | 1 | 0 | 1 | 0 | - | - | - |
| 0 | 0 | 4 | 10 | - | 45 | 1 | 28 | 27 | - | - | - |
| 0 | 0 | 10 | 40 | - | 129 | 3 | 63 | 65 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 0 | 2 | 11 | - | 37 | 1 | 14 | 24 | - | - | - |
| 0 | 0 | 2 | 3 | - | 15 | 0 | 2 | 4 | - | - | - |
| 0 | 0 | 2 | 1 | - | 11 | 0 | 16 | 24 | - | - | - |
| 0 | 0 | 1 | 5 | - | 34 | 1 | 11 | 9 | - | - | - |
| 0 | 0 | 1 | - | - | 1 | 0 | 1 | 1 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | 0 | 1 | 0 | - | 2 | 0 | 20 | 33 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |

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Table A2.1 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 3 | 0 | 2 | 1 | 18 |
| Mining and quarrying | c2 | 2 | 0 | 6 | 3 | 2 |
| Food, beverages, and tobacco | c3 | 3 | 0 | 5 | 2 | 1 |
| Textiles and textile products | c4 | 0 | 0 | 0 | 0 | 1 |
| Leather, leather products, and footwear | c5 | – | – | – | – | – |
| Wood and products of wood and cork | c6 | 0 | – | – | – | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 1 | 0 | 0 | 0 | 3 |
| Coke, refined petroleum, and nuclear fuel | c8 | 0 | 0 | – | 0 | 0 |
| Chemicals and chemical products | c9 | 0 | 0 | 1 | 0 | 0 |
| Rubber and plastics | c10 | 0 | – | – | 1 | 2 |
| Other nonmetallic minerals | c11 | 0 | 0 | – | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | – | – | 0 | 1 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 0 | – | 0 | 0 |
| Transport equipment | c15 | 1 | – | – | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 2 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 19 | 2 | 69 | 37 | 22 |
| Construction | c18 | – | – | – | 0 | – |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | – | – | – | – | – |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 8 | 1 | 10 | 8 | 9 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | c22 | 3 | 2 | 10 | 21 | 11 |
| Inland transport | c23 | 33 | 6 | 41 | 62 | 34 |
| Water transport | c24 | – | – | – | – | – |
| Air transport | c25 | – | – | – | – | – |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | – | – | – | – | – |
| Post and telecommunications | c27 | 69 | 6 | 29 | 18 | 10 |
| Financial intermediation | c28 | 1 | 5 | 17 | 1 | 1 |
| Real estate activities | c29 | 7 | 2 | 29 | 4 | 14 |
| Renting of M&Eq and other business activities | c30 | 8 | 3 | 22 | 29 | 22 |
| Public administration and defense; compulsory social security | c31 | 0 | 0 | 0 | 23 | 0 |
| Education | c32 | – | – | – | 0 | – |
| Health and social work | c33 | – | – | – | – | – |
| Other community, social, and personal services | c34 | 15 | 1 | 3 | 7 | 2 |
| Private households with employed persons | c35 | – | – | – | – | – |

continued on next page

Table A2.1 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|--------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 6 | 52 | 30 | - | 3,089 | 4 | - | 50 | 52 | 221 | 5,043 |
| 0 | 1 | 1 | - | 31 | 0 | - | - | - | 0 | 97 |
| 0 | 1 | 2 | - | 698 | 2 | 0 | 4 | 11 | 39 | 1,007 |
| 0 | 0 | 0 | - | 157 | 0 | 0 | 1 | 47 | 1,950 | 3,247 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | 0 | 0 | - | 13 | - | - | 0 | 1 | 2 | 39 |
| 1 | 0 | 0 | - | 24 | 0 | - | 1 | 0 | 73 | 120 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | 0 | 0 |
| 0 | 15 | 0 | - | 36 | - | - | - | 1 | 1 | 108 |
| - | 0 | 1 | - | 68 | - | - | 8 | 12 | 14 | 233 |
| 0 | 0 | 0 | - | 13 | - | - | 0 | 1 | 0 | 44 |
| 0 | 0 | 0 | - | 41 | 0 | - | 14 | 6 | 6 | 167 |
| 0 | 0 | 0 | - | 2 | - | - | 3 | 0 | 0 | 8 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | 0 | 0 |
| - | 0 | 0 | - | 9 | - | - | 11 | 0 | 19 | 43 |
| 0 | 0 | 1 | - | 16 | 0 | 0 | 10 | 0 | 3 | 45 |
| 4 | 7 | 13 | - | 187 | 0 | 0 | - | - | 0 | 459 |
| - | 1 | 4 | - | 169 | 0 | - | 972 | - | 44 | 1,339 |
| - | - | - | - | - | - | - | - | - | - | - |
| 2 | 15 | 7 | - | 661 | - | 0 | 90 | 0 | 401 | 1,825 |
| 0 | 0 | 0 | - | 11 | - | - | 3 | - | 7 | 32 |
| 2 | 12 | 4 | - | 175 | 0 | 0 | 1 | - | 880 | 1,276 |
| 7 | 3 | 12 | - | 245 | 2 | 0 | 11 | 0 | 194 | 1,089 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 5 | 2 | 9 | - | 194 | 0 | 0 | 0 | 0 | 45 | 501 |
| 2 | 2 | 1 | - | 103 | 0 | - | - | - | 25 | 193 |
| 14 | 3 | 1 | - | 471 | - | 38 | - | - | (0) | 666 |
| 4 | 2 | 12 | - | 203 | 3 | 23 | 0 | 0 | 46 | 491 |
| 1 | 1 | 0 | - | 1 | 23 | 275 | - | - | 68 | 397 |
| 0 | 2 | 1 | - | 130 | 31 | 83 | - | - | 0 | 248 |
| 1 | 1 | 1 | - | 261 | 100 | 197 | - | - | - | 562 |
| 8 | 2 | 23 | - | 262 | 55 | 54 | 3 | - | 4 | 524 |
| - | - | - | - | - | - | - | - | - | - | - |

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Table A2.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 34 | 0 | 17 | 1 | – | 0 | 0 |
| Mining and quarrying | m2 | 1 | 0 | 0 | 0 | – | 0 | 0 |
| Food, beverages, and tobacco | m3 | 2 | 0 | 22 | 1 | – | 0 | 0 |
| Textiles and textile products | m4 | 3 | 0 | 1 | 651 | – | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | – | 0 | 0 | – | – | 0 |
| Wood and products of wood and cork | m6 | 3 | – | 0 | 1 | – | 1 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 1 | 0 | – | 0 | 15 |
| Coke, refined petroleum, and nuclear fuel | m8 | 192 | 10 | 28 | 3 | – | 2 | 0 |
| Chemicals and chemical products | m9 | 115 | 0 | 1 | 0 | – | 0 | 1 |
| Rubber and plastics | m10 | 4 | 0 | 15 | 15 | – | 0 | 4 |
| Other nonmetallic minerals | m11 | 0 | 1 | 32 | 0 | – | 0 | 0 |
| Basic metals and fabricated metal | m12 | 0 | 0 | 0 | 3 | – | 0 | 1 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Transport equipment | m15 | – | – | 0 | 0 | – | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 2 | 0 | 0 | 0 | – | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 1 | 14 | – | 0 | 1 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 1 | – | 0 | 0 |
| Hotels and restaurants | m22 | 3 | 0 | 3 | 4 | – | 0 | 0 |
| Inland transport | m23 | 15 | 0 | 11 | 18 | – | 0 | 1 |
| Water transport | m24 | 0 | 0 | 0 | 5 | – | 0 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 2 | – | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Post and telecommunications | m27 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Financial intermediation | m28 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 2 | 0 | 1 | 1 | – | 0 | 1 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 1,255 | 30 | 749 | 2,107 | – | 23 | 73 |
| Taxes less subsidies on products | r99 | 24 | 1 | 19 | 77 | – | 1 | 2 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 3,763 | 66 | 238 | 1,064 | – | 15 | 45 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 5,043 | 97 | 1,007 | 3,247 | – | 39 | 120 |

continued on next page

Table A2.1 Import Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| - | 1 | 4 | 0 | 0 | - | - | 0 | 0 | 0 | 1 | - | 2 |
| - | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 10 | 4 | - | 0 |
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | - | 2 |
| 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | - | 2 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | 0 | 0 | - | 0 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 1 |
| - | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | - | 3 |
| 0 | 0 | 5 | 3 | 3 | 0 | 0 | 1 | 2 | 74 | 5 | - | 73 |
| 0 | 8 | 19 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | - | 3 |
| - | 1 | 22 | 1 | 5 | 0 | 0 | 2 | 1 | 1 | 15 | - | 24 |
| - | 6 | 12 | 2 | 1 | 0 | 0 | 1 | 1 | 4 | 24 | - | 18 |
| - | 0 | 1 | 0 | 22 | 0 | 0 | 3 | 4 | 2 | 199 | - | 5 |
| - | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 34 | 4 | - | 72 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | - | 1 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 9 | 4 | - | 0 |
| - | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 18 | - | 26 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | - | 15 |
| 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 15 | - | 49 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 |
| - | 0 | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 51 | 176 | 21 | 82 | 5 | 0 | 21 | 22 | 388 | 645 | - | 782 |
| 0 | 2 | 7 | 1 | 3 | 0 | 0 | 1 | 1 | 11 | 22 | - | 27 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 56 | 50 | 23 | 82 | 2 | 0 | 21 | 23 | 59 | 672 | - | 1,016 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 108 | 233 | 44 | 167 | 8 | 0 | 43 | 45 | 459 | 1,339 | - | 1,825 |

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Table A2.1 Import Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 8 | 0 | – | – | – |
| Mining and quarrying | m2 | 0 | 1 | 0 | – | – | – |
| Food, beverages, and tobacco | m3 | 0 | 10 | 3 | – | – | – |
| Textiles and textile products | m4 | 0 | 2 | 1 | – | – | – |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | – | – | – |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | – | – | – |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 3 | 1 | – | – | – |
| Coke, refined petroleum, and nuclear fuel | m8 | 2 | 7 | 100 | – | – | – |
| Chemicals and chemical products | m9 | 0 | 0 | 1 | – | – | – |
| Rubber and plastics | m10 | 1 | 3 | 10 | – | – | – |
| Other nonmetallic minerals | m11 | 0 | 1 | 2 | – | – | – |
| Basic metals and fabricated metal | m12 | 0 | 1 | 13 | – | – | – |
| Machinery, nec | m13 | 1 | 0 | 32 | – | – | – |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | – | – | – |
| Transport equipment | m15 | 0 | 5 | 13 | – | – | – |
| Manufacturing, nec; recycling | m16 | 0 | 11 | 7 | – | – | – |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | – | – | – |
| Construction | m18 | 0 | 0 | 1 | – | – | – |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | – | – | – |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 1 | 1 | – | – | – |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | – | – | – |
| Hotels and restaurants | m22 | 0 | 9 | 9 | – | – | – |
| Inland transport | m23 | 1 | 23 | 23 | – | – | – |
| Water transport | m24 | 0 | 0 | 4 | – | – | – |
| Air transport | m25 | 0 | 0 | 2 | – | – | – |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | – | – | – |
| Post and telecommunications | m27 | 0 | 0 | 0 | – | – | – |
| Financial intermediation | m28 | 0 | 0 | 1 | – | – | – |
| Real estate activities | m29 | 0 | 0 | 0 | – | – | – |
| Renting of M&Eq and other business activities | m30 | 0 | 1 | 1 | – | – | – |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | – | – | – |
| Education | m32 | 0 | 0 | 0 | – | – | – |
| Health and social work | m33 | 0 | 0 | 0 | – | – | – |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | – | – | – |
| Private households with employed persons | m35 | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 14 | 763 | 495 | – | – | – |
| Taxes less subsidies on products | r99 | 1 | 16 | 19 | – | – | – |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – |
| Value added at basic prices | r64 | 17 | 496 | 575 | – | – | – |
| International transport margins | | – | – | – | – | – | – |
| Output at basic prices | r69 | 32 | 1,276 | 1,089 | – | – | – |

continued on next page

Table A2.1 Import Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 1 | 0 | 1 | 0 | 0 | 0 | 7 | 0 | - | 110 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 16 | - |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 207 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 164 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 4 | - |
| 1 | 0 | 0 | 2 | 4 | 1 | 0 | 1 | - | 42 | - |
| 3 | 2 | 0 | 8 | 15 | 1 | 2 | 3 | - | 135 | - |
| 0 | 0 | 2 | 0 | 0 | 0 | 35 | 0 | - | 93 | - |
| 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | - | 83 | - |
| 0 | 0 | - | 1 | 0 | 0 | 0 | 0 | - | 52 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | - | 107 | - |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | - | 18 | - |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | - | 5 | 0 |
| 6 | 0 | - | 2 | 0 | 0 | 0 | 0 | - | 91 | - |
| 29 | 0 | 0 | 0 | 3 | 2 | 1 | 9 | - | 143 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 6 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 4 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 1 | 1 | 2 | 4 | 3 | 1 | 3 | 1 | - | 38 | 0 |
| 3 | 1 | 10 | 17 | 12 | 2 | 1 | 3 | - | 80 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 | 0 |
| 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | - | 17 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 3 | 1 | 10 | 2 | 2 | 1 | 2 | 1 | - | 3 | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | - | 0 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - |
| 225 | 33 | 272 | 258 | 199 | 68 | 176 | 152 | - | 8,693 | 224 |
| 9 | 1 | 9 | 9 | 7 | 3 | 5 | 4 | - | 213 | 8 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 267 | 158 | 385 | 224 | 190 | 177 | 381 | 368 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 501 | 193 | 666 | 491 | 397 | 248 | 562 | 524 | - | 8,907 | 232 |

continued on next page

Table A2.1 Import Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|--------------|---------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | – | 1 | 1 | – | 191 |
| Mining and quarrying | m2 | – | – | – | – | 38 |
| Food, beverages, and tobacco | m3 | – | 8 | 1 | – | 269 |
| Textiles and textile products | m4 | 0 | 2 | 17 | – | 858 |
| Leather, leather products, and footwear | m5 | – | – | 0 | – | 0 |
| Wood and products of wood and cork | m6 | – | 0 | 0 | – | 10 |
| Pulp, paper, paper products, printing, and publishing | m7 | – | 1 | 1 | – | 82 |
| Coke, refined petroleum, and nuclear fuel | m8 | – | 0 | 8 | – | 688 |
| Chemicals and chemical products | m9 | 0 | 0 | 1 | – | 284 |
| Rubber and plastics | m10 | – | 16 | 6 | – | 231 |
| Other nonmetallic minerals | m11 | – | 0 | 1 | – | 160 |
| Basic metals and fabricated metal | m12 | 0 | 28 | 9 | – | 402 |
| Machinery, nec | m13 | 0 | 231 | 0 | – | 402 |
| Electrical and optical equipment | m14 | 1 | 11 | 0 | – | 24 |
| Transport equipment | m15 | 0 | 100 | 0 | – | 237 |
| Manufacturing, nec; recycling | m16 | 0 | 103 | 0 | – | 362 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | – | 0 |
| Construction | m18 | 0 | 64 | 0 | – | 80 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | – | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 3 | 1 | – | 30 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | – | 2 |
| Hotels and restaurants | m22 | 0 | 1 | 0 | – | 102 |
| Inland transport | m23 | 0 | 3 | 0 | – | 299 |
| Water transport | m24 | 0 | 0 | (0) | – | 13 |
| Air transport | m25 | 0 | 0 | 0 | – | 8 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | – | 1 |
| Post and telecommunications | m27 | 0 | 0 | 0 | – | 5 |
| Financial intermediation | m28 | 0 | 0 | 0 | – | 25 |
| Real estate activities | m29 | 0 | 0 | 0 | – | 0 |
| Renting of M&Eq and other business activities | m30 | 1 | 0 | 0 | – | 36 |
| Public administration and defense; compulsory social security | m31 | 14 | 0 | – | – | 17 |
| Education | m32 | 0 | 0 | 0 | – | 0 |
| Health and social work | m33 | 0 | 0 | 0 | – | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | – | 3 |
| Private households with employed persons | m35 | – | – | – | – | – |
| Total intermediate consumption | r60 | 688 | 1,751 | 177 | 4,041 | 24,661 |
| Taxes less subsidies on products | r99 | 26 | 69 | 3 | – | 600 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | – | – | – | – | 10,434 |
| International transport margins | | – | – | – | – | – |
| Output at basic prices | r69 | 713 | 1,821 | 181 | 4,041 | 35,696 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A2.2: Cambodia Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 808 | 1 | 500 | 12 | - | 15 | 12 |
| Mining and quarrying | c2 | 11 | 1 | 5 | 8 | - | 0 | 1 |
| Food, beverages, and tobacco | c3 | 31 | 0 | 324 | 12 | - | 0 | 7 |
| Textiles and textile products | c4 | 2 | 0 | 3 | 1,945 | - | 0 | 8 |
| Leather, leather products, and footwear | c5 | - | - | - | - | - | - | - |
| Wood and products of wood and cork | c6 | 12 | - | 0 | 6 | - | 4 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 0 | 0 | 12 | - | 0 | 20 |
| Coke, refined petroleum, and nuclear fuel | c8 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Chemicals and chemical products | c9 | 55 | 1 | 1 | 7 | - | - | - |
| Rubber and plastics | c10 | 5 | - | 51 | 59 | - | 0 | 11 |
| Other nonmetallic minerals | c11 | 0 | 1 | 14 | 0 | - | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | - | 3 | 8 | - | 0 | 1 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | - | 0 | 0 | - | 0 | 0 |
| Transport equipment | c15 | - | - | 0 | 0 | - | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 0 | 0 | 1 | 2 | - | 0 | 0 |
| Electricity, gas, and water supply | c17 | 16 | 0 | 25 | 42 | - | 0 | 8 |
| Construction | c18 | 5 | 38 | - | - | - | - | - |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | - | - | - | - | - | - |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 196 | 7 | 160 | 528 | - | 6 | 9 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 3 | 0 | 3 | 9 | - | 0 | 0 |
| Hotels and restaurants | c22 | 14 | 2 | 58 | 88 | - | 0 | 2 |
| Inland transport | c23 | 57 | 1 | 97 | 186 | - | 1 | 6 |
| Water transport | c24 | - | - | - | - | - | - | - |
| Air transport | c25 | - | - | - | - | - | - | - |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | - | - | - | - | - | - |
| Post and telecommunications | c27 | 39 | 7 | 22 | 20 | - | 1 | 4 |
| Financial intermediation | c28 | 0 | 3 | 16 | 3 | - | 0 | 0 |
| Real estate activities | c29 | 6 | 16 | 33 | 35 | - | 9 | 2 |
| Renting of M&Eq and other business activities | c30 | 29 | 4 | 24 | 52 | - | 0 | 4 |
| Public administration and defense; compulsory social security | c31 | 2 | 1 | 2 | 1 | - | 0 | 0 |
| Education | c32 | - | - | - | - | - | - | - |
| Health and social work | c33 | - | - | - | - | - | - | - |
| Other community, social, and personal services | c34 | 33 | 3 | 21 | 9 | - | 0 | 0 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A2.2 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | – | 17 | 13 | 0 | 0 | – | – |
| Mining and quarrying | c2 | – | 0 | 2 | 18 | 46 | 0 | 0 |
| Food, beverages, and tobacco | c3 | 0 | 0 | 1 | 0 | 3 | 0 | 0 |
| Textiles and textile products | c4 | 0 | 0 | 17 | 0 | 1 | 0 | 0 |
| Leather, leather products, and footwear | c5 | – | – | – | – | – | – | – |
| Wood and products of wood and cork | c6 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | – | 0 | 0 | 0 | 1 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | c9 | – | 8 | 32 | 0 | 0 | – | – |
| Rubber and plastics | c10 | – | 2 | 49 | 1 | 6 | 0 | 0 |
| Other nonmetallic minerals | c11 | – | 3 | 7 | 1 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | – | 0 | 1 | 0 | 17 | 0 | 0 |
| Machinery, nec | c13 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | – | 0 | 0 | 0 | 2 | 0 | 0 |
| Electricity, gas, and water supply | c17 | – | 2 | 8 | 1 | 2 | 0 | 0 |
| Construction | c18 | – | – | – | – | – | – | – |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | – | – | – | – | – | – | – |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 0 | 9 | 39 | 2 | 13 | 1 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | c22 | 0 | 3 | 15 | 0 | 4 | 0 | 0 |
| Inland transport | c23 | 0 | 3 | 18 | 2 | 11 | 0 | 0 |
| Water transport | c24 | – | – | – | – | – | – | – |
| Air transport | c25 | – | – | – | – | – | – | – |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | – | – | – | – | – | – | – |
| Post and telecommunications | c27 | – | 4 | 6 | 0 | 1 | 0 | – |
| Financial intermediation | c28 | – | 9 | 0 | 0 | 1 | 1 | 0 |
| Real estate activities | c29 | – | 1 | 7 | 0 | 1 | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 0 | 1 | 6 | 1 | 1 | 0 | 0 |
| Public administration and defense; compulsory social security | c31 | – | 0 | 0 | 0 | 0 | – | – |
| Education | c32 | – | 0 | – | – | – | – | – |
| Health and social work | c33 | – | 0 | – | – | – | – | – |
| Other community, social, and personal services | c34 | 0 | 0 | 1 | 2 | 1 | 1 | 0 |
| Private households with employed persons | c35 | – | – | – | – | – | – | – |

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Table A2.2 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 0 | 1 | 43 | 56 | - | 128 | 0 | 498 | 13 | - | - | - |
| 0 | 0 | 90 | 21 | - | 1 | 0 | 6 | 1 | - | - | - |
| 0 | 1 | 3 | 18 | - | 50 | 0 | 206 | 4 | - | - | - |
| 0 | 0 | 0 | 5 | - | 3 | 0 | 5 | 1 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 0 | 1 | 2 | - | 3 | - | 2 | 0 | - | - | - |
| 0 | 1 | 0 | 2 | - | 2 | 0 | 4 | 1 | - | - | - |
| 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | - | - |
| 0 | 0 | 0 | 0 | - | 3 | 0 | 0 | 0 | - | - | - |
| 3 | 1 | 1 | 29 | - | 59 | 2 | 9 | 11 | - | - | - |
| 1 | 0 | 2 | 23 | - | 4 | 0 | 0 | 1 | - | - | - |
| 4 | 4 | 2 | 193 | - | 5 | 0 | 1 | 12 | - | - | - |
| 0 | 0 | 1 | 3 | - | 2 | 0 | 0 | 1 | - | - | - |
| 0 | 0 | 0 | 0 | - | 0 | - | 0 | 0 | - | - | - |
| 1 | 0 | 1 | 1 | - | 0 | - | 0 | 2 | - | - | - |
| 0 | 1 | 1 | 14 | - | 5 | 0 | 4 | 4 | - | - | - |
| 0 | 0 | 53 | 14 | - | 5 | 1 | 12 | 6 | - | - | - |
| - | - | 262 | 718 | - | - | - | 9 | 111 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | 5 | 39 | 155 | - | 91 | 1 | 120 | 53 | - | - | - |
| 0 | 0 | 1 | 3 | - | 1 | 0 | 2 | 1 | - | - | - |
| 1 | 0 | 8 | 51 | - | 166 | 2 | 133 | 99 | - | - | - |
| 1 | 1 | 17 | 150 | - | 312 | 7 | 189 | 138 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | 0 | 3 | 22 | - | 63 | 3 | 30 | 40 | - | - | - |
| 0 | 0 | 4 | 12 | - | 43 | 0 | 11 | 15 | - | - | - |
| 1 | 1 | 3 | 6 | - | 92 | 0 | 56 | 49 | - | - | - |
| 1 | 0 | 3 | 29 | - | 83 | 2 | 48 | 26 | - | - | - |
| 0 | 0 | 3 | 0 | - | 2 | 0 | 4 | 2 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | 0 | 3 | 16 | - | 8 | 0 | 40 | 40 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |

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Table A2.2 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 3 | 0 | 2 | 1 | 11 |
| Mining and quarrying | c2 | 5 | 1 | 19 | 9 | 7 |
| Food, beverages, and tobacco | c3 | 6 | 0 | 6 | 3 | 3 |
| Textiles and textile products | c4 | 0 | 0 | 0 | 11 | 2 |
| Leather, leather products, and footwear | c5 | – | – | – | – | – |
| Wood and products of wood and cork | c6 | 0 | – | – | – | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 1 | 0 | 0 | 0 | 3 |
| Coke, refined petroleum, and nuclear fuel | c8 | 0 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | c9 | 0 | 0 | 2 | 0 | 0 |
| Rubber and plastics | c10 | 0 | – | – | 1 | 3 |
| Other nonmetallic minerals | c11 | 0 | 0 | – | 1 | 0 |
| Basic metals and fabricated metal | c12 | 0 | – | – | 0 | 1 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 0 | – | 0 | 0 |
| Transport equipment | c15 | 1 | – | – | 3 | 0 |
| Manufacturing, nec; recycling | c16 | 5 | 0 | 0 | 0 | 1 |
| Electricity, gas, and water supply | c17 | 26 | 3 | 98 | 45 | 36 |
| Construction | c18 | – | – | – | 0 | – |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | – | – | – | – | – |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 13 | 1 | 12 | 16 | 11 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | c22 | 16 | 10 | 30 | 65 | 22 |
| Inland transport | c23 | 37 | 11 | 75 | 116 | 52 |
| Water transport | c24 | – | – | – | – | – |
| Air transport | c25 | – | – | – | – | – |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | – | – | – | – | – |
| Post and telecommunications | c27 | 77 | 11 | 64 | 25 | 13 |
| Financial intermediation | c28 | 3 | 20 | 73 | 6 | 2 |
| Real estate activities | c29 | 16 | 14 | 139 | 82 | 46 |
| Renting of M&Eq and other business activities | c30 | 92 | 12 | 85 | 111 | 38 |
| Public administration and defense; compulsory social security | c31 | 0 | 0 | 4 | 9 | 0 |
| Education | c32 | – | – | – | 1 | – |
| Health and social work | c33 | – | – | – | 4 | – |
| Other community, social, and personal services | c34 | 57 | 2 | 8 | 11 | 5 |
| Private households with employed persons | c35 | – | – | – | – | – |

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Table A2.2 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|--------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 5 | 40 | 30 | – | 3,695 | 4 | – | 26 | 59 | 990 | 6,983 |
| 1 | 2 | 4 | – | 232 | 1 | – | – | – | 12 | 505 |
| 1 | 2 | 6 | – | 1,313 | 5 | 0 | 4 | 23 | 252 | 2,283 |
| 1 | 0 | 0 | – | 218 | 0 | 0 | 0 | 68 | 4,777 | 7,068 |
| – | – | – | – | – | – | – | – | – | – | – |
| – | 0 | 0 | – | 17 | – | – | 0 | 0 | 26 | 74 |
| 1 | 0 | 0 | – | 56 | 0 | – | 1 | 0 | 132 | 239 |
| 0 | 0 | 0 | – | 0 | – | – | 0 | 0 | 0 | 0 |
| 0 | 31 | 1 | – | 63 | – | – | – | 2 | 7 | 214 |
| – | 0 | 2 | – | 130 | – | – | 6 | 30 | 53 | 525 |
| 0 | 0 | 0 | – | 36 | – | – | 0 | 1 | 1 | 96 |
| 0 | 1 | 1 | – | 98 | 1 | – | 12 | 13 | 28 | 407 |
| 0 | 0 | 0 | – | 5 | – | – | 4 | 0 | 1 | 20 |
| 0 | 0 | 0 | – | 0 | – | – | 0 | 0 | 0 | 1 |
| – | 0 | 0 | – | 11 | – | – | 11 | 0 | 57 | 89 |
| 0 | 0 | 2 | – | 32 | 0 | 0 | 10 | 1 | 7 | 93 |
| 7 | 11 | 20 | – | 540 | 1 | 1 | – | – | 1 | 986 |
| – | 3 | 17 | – | 630 | 0 | – | 3,341 | – | 37 | 5,172 |
| – | – | – | – | – | – | – | – | – | – | – |
| 3 | 23 | 15 | – | 1,110 | 1 | 1 | 92 | 0 | 988 | 3,725 |
| 0 | 0 | 0 | – | 19 | – | – | 3 | – | 17 | 66 |
| 7 | 41 | 10 | – | 523 | 0 | 0 | 1 | – | 1,260 | 2,634 |
| 13 | 8 | 19 | – | 401 | 2 | 0 | 12 | 0 | 395 | 2,338 |
| – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – |
| 8 | 7 | 11 | – | 357 | 0 | 0 | – | 0 | 157 | 995 |
| 4 | 3 | 3 | – | 266 | 0 | – | – | – | 23 | 520 |
| 26 | 11 | 4 | – | 735 | 69 | 74 | – | – | 36 | 1,570 |
| 13 | 10 | 48 | – | 356 | 2 | 1 | 0 | 0 | 52 | 1,133 |
| 3 | 6 | 1 | – | 82 | – | 439 | – | – | 78 | 641 |
| 0 | 2 | 1 | – | 264 | 31 | 133 | – | – | 10 | 444 |
| 3 | 3 | 2 | – | 569 | 117 | 272 | – | – | 7 | 976 |
| 10 | 3 | 53 | – | 492 | 93 | 95 | 4 | – | 13 | 1,024 |
| – | – | – | – | – | – | – | – | – | – | – |

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Table A2.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 74 | 2 | 55 | 4 | – | 1 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Food, beverages, and tobacco | m3 | 6 | 0 | 68 | 4 | – | 0 | 5 |
| Textiles and textile products | m4 | 2 | 0 | 3 | 1,445 | – | 0 | 9 |
| Leather, leather products, and footwear | m5 | 0 | – | 0 | 0 | – | 0 | – |
| Wood and products of wood and cork | m6 | 2 | – | 0 | 1 | – | 1 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 7 | – | 0 | 17 |
| Coke, refined petroleum, and nuclear fuel | m8 | 330 | 42 | 66 | 9 | – | 4 | 0 |
| Chemicals and chemical products | m9 | 112 | 3 | 1 | 9 | – | 0 | 0 |
| Rubber and plastics | m10 | 4 | 0 | 40 | 32 | – | 0 | 8 |
| Other nonmetallic minerals | m11 | 0 | 3 | 48 | 0 | – | 0 | 0 |
| Basic metals and fabricated metal | m12 | 0 | 0 | 4 | 7 | – | 0 | 1 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Transport equipment | m15 | – | – | 0 | 0 | – | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 4 | 0 | 1 | 1 | – | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Construction | m18 | 0 | 1 | 0 | 0 | – | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 1 | 10 | – | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 1 | – | 0 | 0 |
| Hotels and restaurants | m22 | 4 | 1 | 42 | 21 | – | 0 | 1 |
| Inland transport | m23 | 14 | 0 | 26 | 23 | – | 0 | 1 |
| Water transport | m24 | 0 | 0 | 0 | 4 | – | 0 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 2 | – | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Post and telecommunications | m27 | 1 | 1 | 4 | 2 | – | 0 | 3 |
| Financial intermediation | m28 | 0 | 0 | 1 | 0 | – | 0 | 0 |
| Real estate activities | m29 | 1 | 0 | 1 | 0 | – | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 1 | 0 | 1 | 2 | – | 0 | 2 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 1 | 0 | – | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 1,882 | 142 | 1,727 | 4,627 | – | 44 | 147 |
| Taxes less subsidies on products | r99 | 46 | 2 | 47 | 173 | – | 2 | 4 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 5,055 | 360 | 508 | 2,267 | – | 29 | 89 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 6,983 | 505 | 2,283 | 7,068 | – | 74 | 239 |

continued on next page

Table A2.2 Imports Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| - | 7 | 24 | 1 | 0 | - | - | 0 | 0 | 1 | 3 | - | 7 |
| - | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | - | 0 |
| 0 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 2 | 22 | - | 7 |
| 0 | 0 | 17 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | - | 4 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| - | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 5 | - | 2 |
| 0 | 1 | 9 | 5 | 8 | 0 | 0 | 3 | 4 | 155 | 16 | - | 120 |
| - | 14 | 53 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | - | 5 |
| - | 2 | 34 | 2 | 11 | 0 | 0 | 3 | 2 | 3 | 44 | - | 45 |
| - | 11 | 24 | 5 | 1 | 0 | 0 | 2 | 1 | 10 | 86 | - | 13 |
| - | 0 | 2 | 0 | 49 | 0 | 0 | 10 | 7 | 6 | 493 | - | 7 |
| - | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 61 | 32 | - | 115 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 1 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 19 | 6 | - | 0 |
| - | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 8 | 10 | 86 | - | 41 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 16 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 2 | 9 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 26 | - | 84 |
| 0 | 1 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 7 | 39 | - | 77 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | - | 8 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 1 |
| - | 0 | 0 | 0 | 0 | - | - | 0 | 0 | 1 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 104 | 401 | 45 | 204 | 14 | 0 | 43 | 44 | 839 | 2,434 | - | 1,677 |
| 0 | 4 | 15 | 2 | 6 | 0 | 0 | 2 | 2 | 26 | 50 | - | 62 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 106 | 110 | 49 | 196 | 5 | 0 | 44 | 47 | 122 | 2,689 | - | 1,985 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 214 | 525 | 96 | 407 | 20 | 1 | 89 | 93 | 986 | 5,172 | - | 3,725 |

continued on next page

Table A2.2 Imports Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 15 | 0 | – | – | – |
| Mining and quarrying | m2 | 0 | 0 | 0 | – | – | – |
| Food, beverages, and tobacco | m3 | 0 | 19 | 7 | – | – | – |
| Textiles and textile products | m4 | 0 | 5 | 2 | – | – | – |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | – | – | – |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | – | – | – |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 3 | 2 | – | – | – |
| Coke, refined petroleum, and nuclear fuel | m8 | 3 | 12 | 220 | – | – | – |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | – | – | – |
| Rubber and plastics | m10 | 1 | 6 | 15 | – | – | – |
| Other nonmetallic minerals | m11 | 0 | 1 | 4 | – | – | – |
| Basic metals and fabricated metal | m12 | 0 | 2 | 19 | – | – | – |
| Machinery, nec | m13 | 1 | 0 | 53 | – | – | – |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | – | – | – |
| Transport equipment | m15 | 0 | 0 | 16 | – | – | – |
| Manufacturing, nec; recycling | m16 | 0 | 38 | 20 | – | – | – |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | – | – | – |
| Construction | m18 | 0 | 0 | 3 | – | – | – |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | – | – | – |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 1 | 2 | – | – | – |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | – | – | – |
| Hotels and restaurants | m22 | 1 | 54 | 65 | – | – | – |
| Inland transport | m23 | 2 | 40 | 34 | – | – | – |
| Water transport | m24 | 0 | 0 | 1 | – | – | – |
| Air transport | m25 | 0 | 0 | 1 | – | – | – |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | – | – | – |
| Post and telecommunications | m27 | 0 | 4 | 5 | – | – | – |
| Financial intermediation | m28 | 0 | 0 | 1 | – | – | – |
| Real estate activities | m29 | 0 | 1 | 1 | – | – | – |
| Renting of M&Eq and other business activities | m30 | 0 | 1 | 1 | – | – | – |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | – | – | – |
| Education | m32 | 0 | 0 | 0 | – | – | – |
| Health and social work | m33 | 0 | 0 | 0 | – | – | – |
| Other community, social, and personal services | m34 | 0 | 1 | 1 | – | – | – |
| Private households with employed persons | m35 | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 30 | 1,597 | 1,104 | – | – | – |
| Taxes less subsidies on products | r99 | 1 | 38 | 42 | – | – | – |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – |
| Value added at basic prices | r64 | 34 | 999 | 1,192 | – | – | – |
| International transport margins | | – | – | – | – | – | – |
| Output at basic prices | r69 | 66 | 2,634 | 2,338 | – | – | – |

continued on next page

Table A2.2 Imports Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 1 | 0 | 2 | 0 | 0 | 0 | 24 | 2 | - | 193 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 | - |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | - | 398 | - |
| 0 | 0 | 0 | 9 | 3 | 1 | 0 | 0 | - | 300 | 0 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | - |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 3 | - |
| 1 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | - | 57 | - |
| 4 | 1 | 3 | 9 | 26 | 3 | 4 | 12 | - | 552 | - |
| 0 | 0 | 2 | 1 | 0 | 0 | 53 | 1 | - | 125 | - |
| 0 | 0 | 0 | 1 | 4 | 0 | 1 | 2 | - | 150 | - |
| 0 | 0 | - | 2 | 0 | 0 | 0 | 0 | - | 134 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | - | 196 | - |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 25 | - | 26 | - |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 4 | 0 |
| 6 | 0 | - | 18 | 0 | 0 | 0 | 0 | - | 84 | - |
| 66 | 1 | 0 | 0 | 8 | 8 | 1 | 32 | - | 312 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 7 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | - | 4 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 4 | 5 | 7 | 26 | 11 | 7 | 28 | 5 | - | 408 | 0 |
| 7 | 2 | 15 | 19 | 16 | 4 | 2 | 5 | - | 85 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 10 | 1 | 11 | 3 | 3 | 2 | 1 | 2 | - | 42 | 0 |
| 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | - | 11 | - |
| 2 | 1 | 9 | 1 | 1 | 1 | 1 | 1 | - | 0 | 0 |
| 2 | 1 | 9 | 2 | 2 | 2 | 1 | 1 | - | 6 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 3 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 3 | 1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | - | 52 | 18 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | - | 14 | 5 |
| - | - | - | - | - | - | - | - | - | - | - |
| 467 | 98 | 679 | 613 | 341 | 139 | 330 | 341 | - | 15,426 | 351 |
| 19 | 3 | 18 | 20 | 16 | 5 | 12 | 12 | - | 480 | 20 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 508 | 419 | 873 | 500 | 285 | 300 | 635 | 671 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 995 | 520 | 1,570 | 1,133 | 641 | 444 | 976 | 1,024 | - | 15,906 | 370 |

continued on next page

Table A2.2 Imports Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|--------------|---------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | – | 2 | 13 | – | 431 |
| Mining and quarrying | m2 | – | 0 | 0 | – | 7 |
| Food, beverages, and tobacco | m3 | – | 16 | 6 | – | 571 |
| Textiles and textile products | m4 | 0 | 2 | 36 | – | 1,848 |
| Leather, leather products, and footwear | m5 | – | 0 | 0 | – | 0 |
| Wood and products of wood and cork | m6 | – | 0 | 0 | – | 8 |
| Pulp, paper, paper products, printing, and publishing | m7 | – | 4 | 0 | – | 109 |
| Coke, refined petroleum, and nuclear fuel | m8 | – | 0 | 36 | – | 1,657 |
| Chemicals and chemical products | m9 | 0 | 0 | 4 | – | 388 |
| Rubber and plastics | m10 | – | 25 | 27 | – | 463 |
| Other nonmetallic minerals | m11 | – | 0 | 6 | – | 353 |
| Basic metals and fabricated metal | m12 | 0 | 41 | 49 | – | 900 |
| Machinery, nec | m13 | 0 | 499 | 0 | – | 824 |
| Electrical and optical equipment | m14 | 1 | 9 | 0 | – | 20 |
| Transport equipment | m15 | 0 | 156 | 1 | – | 311 |
| Manufacturing, nec; recycling | m16 | 0 | 264 | 2 | – | 910 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | – | 1 |
| Construction | m18 | 0 | 142 | 0 | – | 180 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | – | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 4 | 0 | – | 33 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | – | 2 |
| Hotels and restaurants | m22 | 0 | 1 | 0 | – | 818 |
| Inland transport | m23 | 0 | 5 | 9 | – | 442 |
| Water transport | m24 | 0 | 0 | 2 | – | 10 |
| Air transport | m25 | 0 | 0 | 0 | – | 7 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | – | 1 |
| Post and telecommunications | m27 | 0 | 0 | 0 | – | 112 |
| Financial intermediation | m28 | 0 | 0 | 0 | – | 21 |
| Real estate activities | m29 | 0 | 0 | 0 | – | 24 |
| Renting of M&Eq and other business activities | m30 | 0 | 0 | 0 | – | 37 |
| Public administration and defense; compulsory social security | m31 | 34 | 0 | – | – | 40 |
| Education | m32 | 2 | 0 | 0 | – | 7 |
| Health and social work | m33 | 18 | 0 | 0 | – | 89 |
| Other community, social, and personal services | m34 | 4 | 0 | 0 | – | 33 |
| Private households with employed persons | m35 | – | – | – | – | – |
| Total intermediate consumption | r60 | 1,075 | 4,699 | 388 | 9,419 | 51,474 |
| Taxes less subsidies on products | r99 | 61 | 157 | 8 | – | 1,352 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | – | – | – | – | 20,079 |
| International transport margins | | – | – | – | – | – |
| Output at basic prices | r69 | 1,136 | 4,856 | 396 | 9,419 | 72,905 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

APPENDIX 3: INPUT-OUTPUT TABLES FOR 2010 AND 2017—FIJI

A3



Table A3.1: Fiji Input–Output Table, 2010 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 3 | 0 | 156 | 0 | – | 16 | 0 |
| Mining and quarrying | c2 | 3 | 4 | 0 | 0 | – | 0 | 0 |
| Food, beverages, and tobacco | c3 | 8 | 0 | 19 | 0 | 0 | 0 | 0 |
| Textiles and textile products | c4 | 1 | 0 | 1 | 15 | 0 | 0 | 1 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | – | 3 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 1 | 0 | 1 | 2 | 0 | 0 | 3 |
| Coke, refined petroleum, and nuclear fuel | c8 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Chemicals and chemical products | c9 | 4 | 7 | 1 | 0 | 0 | 1 | 3 |
| Rubber and plastics | c10 | 0 | 0 | 4 | 0 | 0 | 0 | 1 |
| Other nonmetallic minerals | c11 | 0 | 0 | 19 | 0 | – | 0 | 1 |
| Basic metals and fabricated metal | c12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | – | – | – | – | – | – | – |
| Transport equipment | c15 | – | – | – | – | – | – | – |
| Manufacturing, nec; recycling | c16 | 2 | 0 | 1 | 2 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 15 | 3 | 13 | 1 | – | 1 | 1 |
| Construction | c18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 0 | 0 | 1 | 0 | – | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 11 | 3 | 48 | 9 | 2 | 7 | 3 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1 | 0 | 1 | 0 | – | 0 | – |
| Hotels and restaurants | c22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Inland transport | c23 | 0 | 0 | 3 | 0 | – | 0 | 0 |
| Water transport | c24 | 0 | 0 | 2 | 0 | – | 0 | 0 |
| Air transport | c25 | 3 | 0 | 3 | 0 | – | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 3 | 1 | 23 | 1 | – | 0 | 0 |
| Post and telecommunications | c27 | 19 | 0 | 2 | 0 | – | 0 | 1 |
| Financial intermediation | c28 | 10 | 1 | 16 | 4 | – | 2 | 2 |
| Real estate activities | c29 | 24 | 0 | 1 | 0 | – | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 4 | 0 | 4 | 0 | 0 | 0 | 1 |
| Public administration and defense; compulsory social security | c31 | 0 | – | – | – | – | – | – |
| Education | c32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | c35 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |

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Table A3.1 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 1 | 0 | 0 |
| - | 0 | 0 | 10 | 0 | 0 | - | 0 | 0 | 0 | 14 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 1 | 0 | 0 |
| - | 2 | 0 | 0 | 0 | 0 | - | 0 | 3 | 1 | 1 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | - | - |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 14 | 0 | 5 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 1 | 0 | 0 | 2 |
| - | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 3 | 0 | 1 | 0 | 0 | - | 0 | 0 | 1 | 1 | 0 | 7 |
| - | 0 | 1 | 0 | 0 | 0 | - | 0 | 0 | 0 | 2 | 0 | 4 |
| - | 0 | 1 | 2 | - | 0 | - | 0 | 0 | 0 | 4 | 0 | 3 |
| - | 0 | 0 | 0 | 24 | 1 | - | 0 | 2 | 0 | 13 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | 0 | - | - | - | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 1 | 0 | 0 | 1 |
| - | 8 | 0 | 1 | 1 | 0 | - | 0 | 1 | 8 | 0 | 1 | 6 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 3 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 2 | 1 | 1 | 5 | 0 | - | 1 | 7 | 8 | 4 | 0 | 2 |
| - | - | - | - | 0 | 0 | - | 0 | 1 | 0 | 2 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 1 |
| - | 2 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 1 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 1 |
| - | 2 | 0 | 0 | 1 | 0 | - | 0 | 0 | 1 | 1 | 0 | 23 |
| - | 1 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 16 |
| - | 1 | 0 | 0 | 0 | 0 | - | 0 | 0 | 1 | 3 | 1 | 21 |
| - | 2 | 0 | 1 | 3 | 0 | - | 0 | 2 | 6 | 12 | 1 | 16 |
| - | 1 | - | 0 | - | 0 | - | 0 | 0 | 1 | 1 | 0 | 5 |
| - | 3 | 0 | 1 | 0 | 0 | - | 0 | 0 | 1 | 11 | 0 | 9 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 1 | 0 | 0 | 0 |

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Table A3.1 Domestic Industry *continued*

| Industry | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies | |
|--|---|------------------------|------------------|-----------------|---------------|--|----|
| | c21 | c22 | c23 | c24 | c25 | c26 | |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 20 | 0 | 0 | 1 | 0 |
| Mining and quarrying | c2 | 0 | 0 | 0 | 0 | 1 | 0 |
| Food, beverages, and tobacco | c3 | 1 | 41 | 0 | 0 | 3 | 1 |
| Textiles and textile products | c4 | 0 | 2 | 0 | 1 | 2 | 2 |
| Leather, leather products, and footwear | c5 | - | - | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | 1 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | 1 | 2 | 1 | 3 | 1 |
| Coke, refined petroleum, and nuclear fuel | c8 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | c9 | - | 2 | 0 | 0 | 0 | 0 |
| Rubber and plastics | c10 | - | 0 | 1 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | - | 0 | 1 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 1 | 0 |
| Electrical and optical equipment | c14 | - | - | - | - | - | - |
| Transport equipment | c15 | 0 | - | 0 | 0 | - | 0 |
| Manufacturing, nec; recycling | c16 | 1 | 1 | 2 | 1 | 5 | 1 |
| Electricity, gas, and water supply | c17 | 16 | 17 | 1 | 0 | 2 | 4 |
| Construction | c18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 1 | 13 | 3 | 4 | 25 | 6 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 4 | 2 | - | - | - |
| Hotels and restaurants | c22 | 1 | 1 | 0 | 0 | 1 | 1 |
| Inland transport | c23 | 1 | 0 | 0 | 0 | 0 | 2 |
| Water transport | c24 | - | 0 | 0 | 0 | 0 | 0 |
| Air transport | c25 | - | 4 | 1 | 0 | 0 | 6 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | 1 | 0 | 1 | 1 | 4 |
| Post and telecommunications | c27 | 18 | 10 | 1 | 1 | 8 | 12 |
| Financial intermediation | c28 | 18 | 23 | 2 | 1 | 9 | 5 |
| Real estate activities | c29 | 1 | 6 | 1 | 0 | 10 | 8 |
| Renting of M&Eq and other business activities | c30 | - | 7 | 3 | 2 | 23 | 7 |
| Public administration and defense; compulsory social security | c31 | - | - | - | - | - | - |
| Education | c32 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | - | 1 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | - | 4 | 0 | 0 | 0 | 0 |
| Private households with employed persons | c35 | 0 | 7 | 1 | 1 | 2 | 1 |

continued on next page

Table A3.1 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 239 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - |
| 0 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 308 | - |
| 1 | 1 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 48 | - |
| 0 | - | - | 0 | 1 | - | 0 | - | - | 7 | - |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | - |
| 1 | 8 | 3 | 1 | 4 | 4 | 0 | 0 | 0 | 19 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 9 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - |
| 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 23 | - |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 0 | - | - | 0 | - | - | - | - | - | 2 | - |
| 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 26 | - |
| 4 | 7 | 2 | 3 | 3 | 3 | 2 | 1 | 1 | 16 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | - |
| 4 | 5 | 2 | 5 | 6 | 2 | 2 | 1 | 1 | 101 | - |
| 1 | 2 | 0 | - | 0 | 0 | - | - | 0 | 145 | - |
| 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 36 | 2 |
| 0 | 7 | 0 | 5 | 0 | 0 | 0 | 2 | 6 | 45 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | - |
| 2 | 7 | 0 | 4 | 6 | 2 | 0 | 1 | 3 | 25 | - |
| 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 18 | - |
| 26 | 22 | 1 | 6 | 5 | 2 | 0 | 1 | 2 | 58 | 2 |
| 8 | 10 | 35 | 8 | 8 | 7 | 1 | 1 | 2 | 195 | - |
| 2 | 10 | 1 | 6 | 5 | 1 | 0 | 2 | 7 | 124 | - |
| 6 | 11 | 2 | 5 | 0 | 3 | 0 | 1 | 2 | 42 | - |
| - | - | - | - | - | - | - | - | - | 1 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 28 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 |
| 0 | 0 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 31 | 15 |

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Table A3.1 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|--------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 0 | 4 | 34 | 481 |
| Mining and quarrying | c2 | 1 | 0 | (13) | 52 | 75 |
| Food, beverages, and tobacco | c3 | 1 | 1 | 34 | 153 | 578 |
| Textiles and textile products | c4 | 1 | 0 | 8 | 21 | 119 |
| Leather, leather products, and footwear | c5 | - | - | 0 | 0 | 13 |
| Wood and products of wood and cork | c6 | 0 | 0 | (3) | 18 | 59 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 4 | (1) | 5 | 70 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | - | 2 | 0 | 2 |
| Chemicals and chemical products | c9 | 2 | 0 | (1) | 8 | 58 |
| Rubber and plastics | c10 | 0 | 0 | 0 | 1 | 18 |
| Other nonmetallic minerals | c11 | - | - | 0 | 2 | 35 |
| Basic metals and fabricated metal | c12 | 0 | 0 | 1 | 13 | 84 |
| Machinery, nec | c13 | 0 | 1 | 0 | 1 | 11 |
| Electrical and optical equipment | c14 | - | - | 0 | - | 0 |
| Transport equipment | c15 | - | 2 | 1 | 0 | 5 |
| Manufacturing, nec; recycling | c16 | 0 | 8 | 1 | 8 | 71 |
| Electricity, gas, and water supply | c17 | 2 | 0 | 0 | 0 | 146 |
| Construction | c18 | 0 | 128 | 0 | 1 | 194 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 0 | 1 | - | 1 | 10 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 1 | 33 | - | 57 | 388 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 6 | - | 18 | 184 |
| Hotels and restaurants | c22 | 1 | 1 | 0 | 345 | 398 |
| Inland transport | c23 | - | - | (0) | 17 | 94 |
| Water transport | c24 | 3 | - | (0) | 11 | 44 |
| Air transport | c25 | - | - | - | 217 | 315 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | - | (0) | 101 | 176 |
| Post and telecommunications | c27 | 3 | 2 | (0) | 16 | 248 |
| Financial intermediation | c28 | 13 | 0 | 0 | 9 | 435 |
| Real estate activities | c29 | - | 0 | - | 0 | 216 |
| Renting of M&Eq and other business activities | c30 | 14 | 1 | (0) | 30 | 194 |
| Public administration and defense; compulsory social security | c31 | 234 | - | - | 0 | 234 |
| Education | c32 | 105 | 0 | - | 6 | 168 |
| Health and social work | c33 | 54 | 0 | - | 6 | 69 |
| Other community, social, and personal services | c34 | 8 | 0 | - | 1 | 29 |
| Private households with employed persons | c35 | 16 | 4 | 0 | 5 | 92 |

continued on next page

Table A3.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1 | 0 | 24 | 0 | 0 | 1 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Food, beverages, and tobacco | m3 | 4 | 0 | 9 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| Coke, refined petroleum, and nuclear fuel | m8 | 37 | 4 | 7 | 2 | 0 | 2 | 0 |
| Chemicals and chemical products | m9 | 7 | 14 | 2 | 0 | 0 | 1 | 5 |
| Rubber and plastics | m10 | 0 | 0 | 9 | 0 | 0 | 0 | 3 |
| Other nonmetallic minerals | m11 | 0 | 0 | 17 | 0 | 0 | 0 | 2 |
| Basic metals and fabricated metal | m12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Total intermediate consumption | r60 | 179 | 40 | 395 | 49 | 8 | 39 | 33 |
| Taxes less subsidies on products | r99 | 11 | 2 | 11 | 4 | 1 | 1 | 2 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 290 | 33 | 171 | 65 | 4 | 19 | 35 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 481 | 75 | 578 | 119 | 13 | 59 | 70 |

continued on next page

Table A3.1 Import Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Mining and quarrying | m2 | - | 0 | 0 | 1 | 0 | 0 | - |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Textiles and textile products | m4 | 0 | 1 | 0 | 0 | 0 | 0 | - |
| Leather, leather products, and footwear | m5 | - | 0 | 0 | 0 | 0 | 0 | - |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 0 | 1 | 0 | 1 | 0 | - |
| Chemicals and chemical products | m9 | 1 | 6 | 0 | 2 | 0 | 0 | - |
| Rubber and plastics | m10 | 0 | 0 | 3 | 0 | 0 | 0 | - |
| Other nonmetallic minerals | m11 | 0 | 0 | 3 | 1 | 0 | 0 | - |
| Basic metals and fabricated metal | m12 | 0 | 0 | 0 | 0 | 20 | 2 | - |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Water transport | m24 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Air transport | m25 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Post and telecommunications | m27 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Financial intermediation | m28 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Renting of M&Eq and other business activities | m30 | 0 | 1 | 0 | 0 | 0 | 0 | - |
| Public administration and defense; compulsory social security | m31 | - | 0 | 0 | 0 | 0 | 0 | - |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Total intermediate consumption | r60 | 1 | 38 | 12 | 23 | 59 | 5 | - |
| Taxes less subsidies on products | r99 | 0 | 2 | 1 | 1 | 3 | 0 | 0 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | - | 17 | 4 | 11 | 22 | 6 | - |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 2 | 58 | 18 | 35 | 84 | 11 | 0 |

continued on next page

Table A3.1 Import Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 2 | 1 |
| 0 | 0 | 53 | 4 | 0 | 4 | 5 | 11 | 16 | 6 | 125 | 13 |
| 0 | 0 | 1 | 1 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 5 | 0 | 7 | 0 | 0 | 2 | 0 | 0 | 0 |
| 0 | 0 | 0 | 5 | 0 | 6 | 0 | 0 | 2 | 0 | 0 | 0 |
| 0 | 1 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 4 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 11 | 2 | 0 | 1 | 0 | 4 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 5 |
| 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 2 | 6 | 2 | 0 | 0 | 2 | 2 |
| 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 4 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 3 | 40 | 90 | 109 | 4 | 160 | 73 | 215 | 51 | 30 | 243 | 93 |
| 0 | 2 | 8 | 4 | 0 | 8 | 4 | 15 | 4 | 3 | 21 | 7 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | 29 | 48 | 81 | 6 | 221 | 108 | 168 | 39 | 11 | 51 | 77 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 5 | 71 | 146 | 194 | 10 | 388 | 184 | 398 | 94 | 44 | 315 | 176 |

continued on next page

Table A3.1 Import Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 0 | 1 |
| Textiles and textile products | m4 | 1 | 0 | 0 | 0 | 1 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 1 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 2 | 7 | 1 | 1 | 5 |
| Coke, refined petroleum, and nuclear fuel | m8 | 3 | 13 | 0 | 11 | 10 |
| Chemicals and chemical products | m9 | 1 | 0 | 1 | 1 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 0 | 1 | 0 |
| Other nonmetallic minerals | m11 | 0 | 0 | 0 | 1 | 0 |
| Basic metals and fabricated metal | m12 | 0 | 0 | 0 | 2 | 0 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | m15 | 3 | 0 | 0 | 4 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 1 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 2 | 1 | 0 | 2 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 1 | 0 | 0 | 0 | 3 |
| Air transport | m25 | 0 | 1 | 0 | 0 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 1 |
| Post and telecommunications | m27 | 6 | 3 | 0 | 1 | 1 |
| Financial intermediation | m28 | 1 | 5 | 0 | 0 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 1 | 1 | 1 | 1 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | 0 |
| Total intermediate consumption | r60 | 84 | 128 | 67 | 78 | 73 |
| Taxes less subsidies on products | r99 | 6 | 7 | 2 | 5 | 5 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | 158 | 299 | 148 | 112 | 157 |
| International transport margins | | – | – | – | – | – |
| Output at basic prices | r69 | 248 | 435 | 216 | 194 | 234 |

continued on next page

Table A3.1 Import Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|--------------|--------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 1 | - | 59 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | (1) | - | 2 |
| 0 | 1 | 0 | 0 | 98 | 0 | 0 | 0 | 18 | - | 155 |
| 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 2 | - | 26 |
| 0 | 0 | 0 | - | 4 | - | 0 | 0 | 0 | - | 8 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | - | 3 |
| 6 | 0 | 0 | 0 | 5 | 0 | 0 | 6 | (1) | - | 46 |
| 2 | 0 | 1 | 1 | 64 | 0 | 0 | 0 | 4 | - | 403 |
| 1 | 5 | 1 | 2 | 5 | 0 | 1 | 0 | 2 | - | 67 |
| 0 | 0 | 0 | - | 3 | 0 | 0 | 0 | 1 | - | 37 |
| 0 | 0 | 0 | - | 2 | 0 | 0 | 0 | 0 | - | 42 |
| 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 1 | - | 57 |
| 0 | 0 | 0 | 0 | 10 | 0 | 1 | 6 | 0 | - | 20 |
| 0 | 0 | 0 | - | 4 | 0 | 0 | 4 | 0 | - | 10 |
| 0 | 0 | 0 | 0 | 37 | 0 | 0 | 243 | 16 | - | 317 |
| 0 | 0 | 0 | 0 | 5 | 0 | 0 | 10 | 0 | - | 23 |
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | - | 3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | - | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 21 | 0 | 0 | 1 | 0 | - | 55 |
| 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | - | 4 |
| 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | - | 5 |
| 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | - | 4 |
| 0 | 0 | 0 | 0 | 2 | - | 0 | 0 | (0) | - | 19 |
| 0 | 0 | 0 | 0 | 36 | - | 0 | 0 | 0 | - | 46 |
| 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | - | 8 |
| 1 | 0 | 0 | 0 | 10 | 0 | 0 | 1 | (0) | - | 42 |
| 1 | 0 | 0 | 0 | 13 | 0 | 0 | 1 | 0 | - | 30 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 |
| 1 | 0 | 0 | 0 | 6 | 0 | 1 | 1 | 0 | - | 26 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | - | 4 |
| 0 | 0 | 0 | - | 1 | 0 | 0 | 0 | 0 | - | 1 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | - | 1 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | - | 7 |
| 43 | 20 | 17 | 34 | 2,079 | 59 | 464 | 470 | 78 | 1,160 | 6,845 |
| 3 | 1 | 1 | 2 | 134 | - | 6 | 29 | 11 | - | 326 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 122 | 48 | 11 | 57 | - | - | - | - | - | - | 2,633 |
| - | - | - | - | - | - | - | - | - | - | - |
| 168 | 69 | 29 | 92 | 2,213 | 59 | 470 | 499 | 90 | 1,160 | 9,804 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A3.2: Fiji Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 5 | 0 | 170 | 0 | - | 17 | 0 |
| Mining and quarrying | c2 | 7 | 10 | 0 | 0 | - | 0 | 0 |
| Food, beverages, and tobacco | c3 | 11 | 0 | 19 | 0 | 0 | 0 | 0 |
| Textiles and textile products | c4 | 1 | 0 | 1 | 14 | 0 | 0 | 1 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | - | 3 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 1 | 0 | 1 | 2 | 0 | 0 | 2 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | - | - | - | - | - | - |
| Chemicals and chemical products | c9 | 6 | 11 | 1 | 0 | 0 | 1 | 3 |
| Rubber and plastics | c10 | 0 | 0 | 4 | 0 | 0 | 0 | 1 |
| Other nonmetallic minerals | c11 | 0 | 0 | 20 | 0 | - | 0 | 1 |
| Basic metals and fabricated metal | c12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | - | - | - | - | - | - | - |
| Transport equipment | c15 | - | - | - | - | - | - | - |
| Manufacturing, nec; recycling | c16 | 3 | 0 | 1 | 2 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 19 | 5 | 12 | 1 | - | 1 | 1 |
| Construction | c18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 1 | 0 | 1 | 0 | - | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 18 | 5 | 55 | 10 | 2 | 8 | 3 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 2 | 1 | 1 | 0 | - | 0 | - |
| Hotels and restaurants | c22 | 2 | 0 | 2 | 0 | 0 | 0 | 0 |
| Inland transport | c23 | 1 | 0 | 4 | 0 | - | 0 | 0 |
| Water transport | c24 | 0 | 0 | 2 | 0 | - | 0 | 0 |
| Air transport | c25 | 4 | 0 | 4 | 0 | - | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 4 | 1 | 25 | 1 | - | 0 | 0 |
| Post and telecommunications | c27 | 28 | 0 | 2 | 0 | - | 0 | 1 |
| Financial intermediation | c28 | 15 | 2 | 17 | 4 | - | 2 | 2 |
| Real estate activities | c29 | 33 | 0 | 1 | 0 | - | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 5 | 0 | 4 | 0 | 0 | 0 | 1 |
| Public administration and defense; compulsory social security | c31 | 0 | - | - | - | - | - | - |
| Education | c32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 2 | 0 | 0 | 1 | 0 | 0 | 0 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A3.2 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 1 | 0 | 0 |
| - | 0 | 0 | 13 | 0 | 0 | - | 0 | 0 | 0 | 32 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| - | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 1 | 0 | 0 | - | - |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 7 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 8 |
| - | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 |
| - | 0 | 1 | 2 | - | 0 | - | 0 | 0 | 0 | 6 | 0 | 4 |
| - | 0 | 0 | 0 | 24 | 1 | 0 | 0 | 2 | 0 | 18 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | 0 | - | - | - | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 1 |
| - | 7 | 0 | 1 | 1 | 0 | - | 0 | 1 | 14 | 1 | 1 | 6 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 3 | 1 | 1 | 6 | 0 | 0 | 0 | 8 | 17 | 6 | 0 | 2 |
| - | - | - | - | 0 | 0 | - | 0 | 1 | 1 | 4 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| - | 2 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 1 |
| - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 1 |
| - | 2 | 0 | 0 | 1 | 0 | - | 0 | 0 | 1 | 1 | 0 | 26 |
| - | 1 | 0 | 0 | 0 | 0 | - | 0 | 0 | 1 | 0 | 0 | 19 |
| - | 1 | 0 | 0 | 0 | 0 | - | 0 | 0 | 2 | 4 | 1 | 24 |
| - | 2 | 0 | 1 | 3 | 0 | - | 0 | 2 | 12 | 17 | 1 | 19 |
| - | 1 | - | 0 | - | 0 | - | 0 | 0 | 2 | 2 | 0 | 6 |
| - | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 0 | 10 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

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Table A3.2 Domestic Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|-----|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 26 | 0 | 0 | 0 | 0 |
| Mining and quarrying | c2 | 0 | 1 | 0 | 0 | 1 | 0 |
| Food, beverages, and tobacco | c3 | 0 | 49 | 0 | 0 | 1 | 0 |
| Textiles and textile products | c4 | 0 | 3 | 0 | 0 | 1 | 0 |
| Leather, leather products, and footwear | c5 | – | – | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | 1 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | – | 2 | 0 | 0 | 2 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | – | – | – | – | – | – |
| Chemicals and chemical products | c9 | – | 2 | 0 | 0 | 0 | 0 |
| Rubber and plastics | c10 | – | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | – | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | – | – | – | – | – | – |
| Transport equipment | c15 | 0 | – | 0 | 0 | – | 0 |
| Manufacturing, nec; recycling | c16 | 1 | 1 | 0 | 1 | 3 | 0 |
| Electricity, gas, and water supply | c17 | 16 | 19 | 0 | 0 | 1 | 1 |
| Construction | c18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 1 | 18 | 1 | 2 | 14 | 2 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 5 | 0 | – | – | – |
| Hotels and restaurants | c22 | 1 | 2 | 0 | 0 | 1 | 0 |
| Inland transport | c23 | 1 | 0 | 0 | 0 | 0 | 1 |
| Water transport | c24 | – | 0 | 0 | 0 | 0 | 0 |
| Air transport | c25 | – | 6 | 0 | 0 | 0 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | – | 1 | 0 | 0 | 1 | 1 |
| Post and telecommunications | c27 | 19 | 13 | 0 | 0 | 4 | 3 |
| Financial intermediation | c28 | 19 | 29 | 0 | 1 | 5 | 1 |
| Real estate activities | c29 | 1 | 8 | 0 | 0 | 5 | 2 |
| Renting of M&Eq and other business activities | c30 | – | 8 | 0 | 1 | 11 | 2 |
| Public administration and defense; compulsory social security | c31 | – | – | – | – | – | – |
| Education | c32 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | – | 1 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 0 | 16 | 0 | 0 | 1 | 0 |
| Private households with employed persons | c35 | – | – | – | – | – | – |

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Table A3.2 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 3 | 5 | 3 | 0 | - | 408 | - |
| 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | - | 2 | - |
| 0 | 1 | 0 | 1 | 3 | 3 | 2 | 0 | - | 389 | - |
| 2 | 1 | 1 | 2 | 5 | 1 | 1 | 0 | - | 61 | - |
| 0 | - | - | 0 | 1 | - | 0 | - | - | 10 | - |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | - | 23 | - |
| 1 | 9 | 3 | 3 | 6 | 15 | 0 | 0 | - | 11 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 1 | 0 | 1 | 1 | 0 | 2 | 5 | 0 | - | 5 | - |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | - | 4 | - |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | - | 4 | - |
| 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | - | 26 | - |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | - | 5 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 0 | - | - | 0 | - | - | - | - | - | 2 | - |
| 0 | 0 | 5 | 4 | 0 | 1 | 0 | 0 | - | 29 | - |
| 4 | 8 | 2 | 10 | 5 | 12 | 4 | 0 | - | 41 | 4 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 7 | - |
| 5 | 7 | 2 | 19 | 12 | 8 | 5 | 0 | - | 138 | - |
| 1 | 2 | 0 | - | 1 | 1 | - | - | - | 193 | - |
| 1 | 1 | 0 | 6 | 1 | 0 | 0 | 1 | - | 62 | 7 |
| 0 | 10 | 0 | 17 | 0 | 0 | 0 | 1 | - | 70 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 29 | - |
| 3 | 8 | 0 | 11 | 11 | 6 | 0 | 0 | - | 34 | - |
| 2 | 1 | 0 | 4 | 0 | 1 | 0 | 0 | - | 25 | - |
| 28 | 26 | 1 | 18 | 8 | 8 | 0 | 0 | - | 74 | 5 |
| 8 | 12 | 38 | 24 | 13 | 27 | 2 | 0 | - | 191 | - |
| 2 | 11 | 1 | 19 | 8 | 2 | 0 | 0 | - | 120 | - |
| 6 | 12 | 2 | 13 | 0 | 12 | 0 | 0 | - | 90 | - |
| - | - | - | - | - | - | - | - | - | 1 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 77 | 124 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 12 | 27 |
| 0 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | - | 3 | 0 |
| - | - | - | - | - | - | - | - | - | - | - |

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Table A3.2 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|--------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 28 | 0 | (8) | 104 | 764 |
| Mining and quarrying | c2 | 2 | 0 | (36) | 64 | 101 |
| Food, beverages, and tobacco | c3 | 9 | 1 | (26) | 242 | 708 |
| Textiles and textile products | c4 | 2 | 0 | 9 | 34 | 148 |
| Leather, leather products, and footwear | c5 | – | – | 1 | 1 | 17 |
| Wood and products of wood and cork | c6 | 0 | 0 | (6) | 25 | 70 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 8 | 2 | 13 | 87 |
| Coke, refined petroleum, and nuclear fuel | c8 | – | – | – | – | – |
| Chemicals and chemical products | c9 | 5 | 0 | (0) | 13 | 72 |
| Rubber and plastics | c10 | 0 | 0 | (0) | 2 | 22 |
| Other nonmetallic minerals | c11 | – | – | (0) | 4 | 43 |
| Basic metals and fabricated metal | c12 | 0 | 0 | (2) | 24 | 106 |
| Machinery, nec | c13 | 0 | 2 | (0) | 2 | 14 |
| Electrical and optical equipment | c14 | – | – | 0 | 0 | 0 |
| Transport equipment | c15 | – | 4 | (0) | 0 | 7 |
| Manufacturing, nec; recycling | c16 | 1 | 15 | 3 | 14 | 88 |
| Electricity, gas, and water supply | c17 | 5 | 0 | (0) | 2 | 205 |
| Construction | c18 | 0 | 272 | (0) | 13 | 293 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 0 | 1 | – | 3 | 15 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 2 | 68 | – | 117 | 567 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | 11 | – | 38 | 263 |
| Hotels and restaurants | c22 | 2 | 2 | (0) | 485 | 579 |
| Inland transport | c23 | – | – | 0 | 34 | 144 |
| Water transport | c24 | 6 | – | 0 | 17 | 57 |
| Air transport | c25 | – | – | – | 265 | 388 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | – | – | 0 | 139 | 228 |
| Post and telecommunications | c27 | 8 | 4 | 0 | 41 | 329 |
| Financial intermediation | c28 | 23 | 0 | (0) | 21 | 516 |
| Real estate activities | c29 | – | 0 | – | 1 | 224 |
| Renting of M&Eq and other business activities | c30 | 144 | 3 | 0 | 108 | 452 |
| Public administration and defense; compulsory social security | c31 | 489 | – | – | 6 | 496 |
| Education | c32 | 178 | 0 | – | 17 | 398 |
| Health and social work | c33 | 95 | 0 | – | 15 | 150 |
| Other community, social, and personal services | c34 | 1 | 0 | (0) | 0 | 37 |
| Private households with employed persons | c35 | – | – | – | – | – |

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Table A3.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1 | 0 | 31 | 0 | 0 | 2 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 6 | 0 | 13 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 1 | 0 | 1 | 2 | 0 | 0 | 5 |
| Coke, refined petroleum, and nuclear fuel | m8 | 53 | 5 | 10 | 1 | 0 | 2 | 0 |
| Chemicals and chemical products | m9 | 9 | 22 | 2 | 0 | 0 | 1 | 7 |
| Rubber and plastics | m10 | 0 | 0 | 13 | 1 | 0 | 0 | 4 |
| Other nonmetallic minerals | m11 | 0 | 0 | 23 | 0 | 0 | 0 | 3 |
| Basic metals and fabricated metal | m12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Air transport | m25 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 4 | 0 | 1 | 0 | 0 | 0 | 1 |
| Financial intermediation | m28 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Total intermediate consumption | r60 | 256 | 67 | 450 | 50 | 8 | 43 | 36 |
| Taxes less subsidies on products | r99 | 35 | 6 | 35 | 13 | 3 | 2 | 6 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 473 | 27 | 223 | 85 | 6 | 25 | 45 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 764 | 101 | 708 | 148 | 17 | 70 | 87 |

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Table A3.2 Imports Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | – | 0 | 0 | 1 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | – | 1 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | – | 0 | 1 | 0 | 2 | 0 | 0 |
| Chemicals and chemical products | m9 | – | 8 | 1 | 3 | 0 | 0 | 0 |
| Rubber and plastics | m10 | – | 0 | 4 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | – | 0 | 3 | 2 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | – | 0 | 0 | 0 | 26 | 2 | 0 |
| Machinery, nec | m13 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | – | 0 | 0 | 0 | 1 | 0 | 0 |
| Transport equipment | m15 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Air transport | m25 | – | 1 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Real estate activities | m29 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | – | 1 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | – | 0 | 0 | 0 | 0 | 0 | – |
| Education | m32 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | – | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | – | 0 | 0 | 0 | 0 | 0 | – |
| Total intermediate consumption | r60 | – | 43 | 14 | 26 | 68 | 5 | 0 |
| Taxes less subsidies on products | r99 | – | 7 | 2 | 2 | 8 | 1 | 0 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | – | 23 | 6 | 15 | 29 | 8 | – |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | – | 72 | 22 | 43 | 106 | 14 | 0 |

continued on next page

Table A3.2 Imports Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 2 | 1 |
| 0 | 1 | 60 | 6 | 0 | 6 | 7 | 16 | 24 | 6 | 138 | 13 |
| 0 | 0 | 1 | 1 | 0 | 6 | 0 | 3 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 6 | 0 | 11 | 0 | 0 | 4 | 0 | 0 | 0 |
| 0 | 1 | 0 | 7 | 0 | 8 | 0 | 0 | 3 | 0 | 0 | 0 |
| 0 | 2 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 4 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 11 | 2 | 0 | 2 | 0 | 5 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 2 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 | 4 | 9 | 2 | 1 | 0 | 3 | 2 |
| 0 | 0 | 1 | 3 | 0 | 1 | 0 | 3 | 1 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 2 | 0 | 2 | 0 | 2 | 1 | 0 | 5 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 3 | 43 | 126 | 168 | 5 | 191 | 79 | 277 | 49 | 25 | 214 | 43 |
| 1 | 7 | 24 | 13 | 1 | 24 | 12 | 47 | 12 | 9 | 64 | 21 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | 38 | 55 | 112 | 10 | 352 | 172 | 255 | 83 | 24 | 110 | 165 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 7 | 88 | 205 | 293 | 15 | 567 | 263 | 579 | 144 | 57 | 388 | 228 |

continued on next page

Table A3.2 Imports Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 0 | 1 |
| Textiles and textile products | m4 | 1 | 0 | 0 | 0 | 1 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 1 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 3 | 11 | 1 | 1 | 6 |
| Coke, refined petroleum, and nuclear fuel | m8 | 4 | 19 | 0 | 15 | 11 |
| Chemicals and chemical products | m9 | 2 | 0 | 2 | 1 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 0 | 2 | 0 |
| Other nonmetallic minerals | m11 | 0 | 0 | 0 | 1 | 0 |
| Basic metals and fabricated metal | m12 | 0 | 0 | 0 | 3 | 0 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | m15 | 4 | 0 | 0 | 5 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 2 | 1 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 2 | 1 | 0 | 2 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 1 | 2 | 0 | 0 | 4 |
| Air transport | m25 | 1 | 2 | 0 | 1 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 9 | 6 | 0 | 1 | 1 |
| Financial intermediation | m28 | 1 | 6 | 0 | 0 | 1 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 2 | 2 | 1 | 1 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | 0 |
| Total intermediate consumption | r60 | 99 | 160 | 73 | 203 | 110 |
| Taxes less subsidies on products | r99 | 18 | 22 | 7 | 15 | 16 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | 211 | 333 | 144 | 234 | 369 |
| International transport margins | | – | – | – | – | – |
| Output at basic prices | r69 | 329 | 516 | 224 | 452 | 496 |

continued on next page

Table A3.2 Imports Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|--------------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 0 | 0 | 0 | - | 56 | 0 | 0 | 0 | 2 | - | 98 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | (1) | - | 2 |
| 1 | 1 | 1 | - | 191 | 0 | 0 | 0 | 36 | - | 281 |
| 0 | 0 | 0 | - | 22 | 0 | 0 | 0 | 3 | - | 42 |
| 0 | 0 | 0 | - | 8 | - | - | 0 | 0 | - | 13 |
| 0 | 0 | 0 | - | 2 | 0 | 0 | 0 | 0 | - | 4 |
| 11 | 0 | 1 | - | 10 | 0 | 0 | 8 | (2) | - | 67 |
| 3 | 0 | 2 | - | 74 | 0 | 0 | 0 | 7 | - | 488 |
| 1 | 8 | 3 | - | 9 | 0 | 2 | 0 | 3 | - | 99 |
| 0 | 0 | 0 | - | 6 | 0 | 0 | 0 | 1 | - | 54 |
| 0 | 0 | 0 | - | 5 | 0 | 0 | 0 | 1 | - | 59 |
| 0 | 0 | 0 | - | 30 | 0 | 0 | 0 | 2 | - | 84 |
| 0 | 0 | 0 | - | 8 | 0 | 1 | 4 | 0 | - | 16 |
| 0 | 0 | 0 | - | 3 | 0 | 0 | 1 | 0 | - | 6 |
| 0 | 0 | 0 | - | 70 | 0 | 1 | 386 | 31 | - | 515 |
| 0 | 0 | 0 | - | 10 | 0 | 0 | 17 | 1 | - | 38 |
| 0 | 0 | 0 | - | 2 | 0 | 0 | 0 | 0 | - | 3 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 1 | 0 | - | 2 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 29 | 0 | 0 | 1 | 0 | - | 65 |
| 0 | 0 | 0 | - | 2 | 0 | 0 | 0 | 0 | - | 4 |
| 0 | 0 | 0 | - | 6 | 0 | 0 | 0 | 0 | - | 8 |
| 0 | 0 | 1 | - | 5 | 0 | 0 | 0 | 2 | - | 9 |
| 0 | 0 | 0 | - | 3 | - | 0 | 0 | 4 | - | 23 |
| 1 | 0 | 1 | - | 29 | - | 0 | 0 | 0 | - | 50 |
| 0 | 0 | 0 | - | 1 | 0 | 0 | 0 | 0 | - | 2 |
| 3 | 0 | 1 | - | 17 | 0 | 0 | 1 | (0) | - | 68 |
| 2 | 0 | 0 | - | 18 | 0 | 0 | 1 | 0 | - | 43 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 1 |
| 1 | 0 | 1 | - | 8 | 0 | 1 | 1 | 0 | - | 37 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 4 | 2 | 1 | 0 | 0 | - | 7 |
| 0 | 0 | 0 | - | 1 | 0 | 1 | 0 | 0 | - | 2 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 1 |
| 0 | 0 | 0 | - | 3 | 0 | 0 | 7 | 0 | - | 13 |
| 132 | 37 | 15 | - | 2,779 | 170 | 1,010 | 825 | 25 | 1,866 | 9,793 |
| 9 | 4 | 9 | - | 418 | - | 19 | 92 | 36 | - | 1,021 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 257 | 109 | 13 | - | - | - | - | - | - | - | 4,013 |
| - | - | - | - | - | - | - | - | - | - | - |
| 398 | 150 | 37 | - | 3,197 | 170 | 1,029 | 917 | 61 | 1,866 | 14,826 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

A4

APPENDIX 4: INPUT-OUTPUT TABLES FOR 2010 AND 2017—INDONESIA

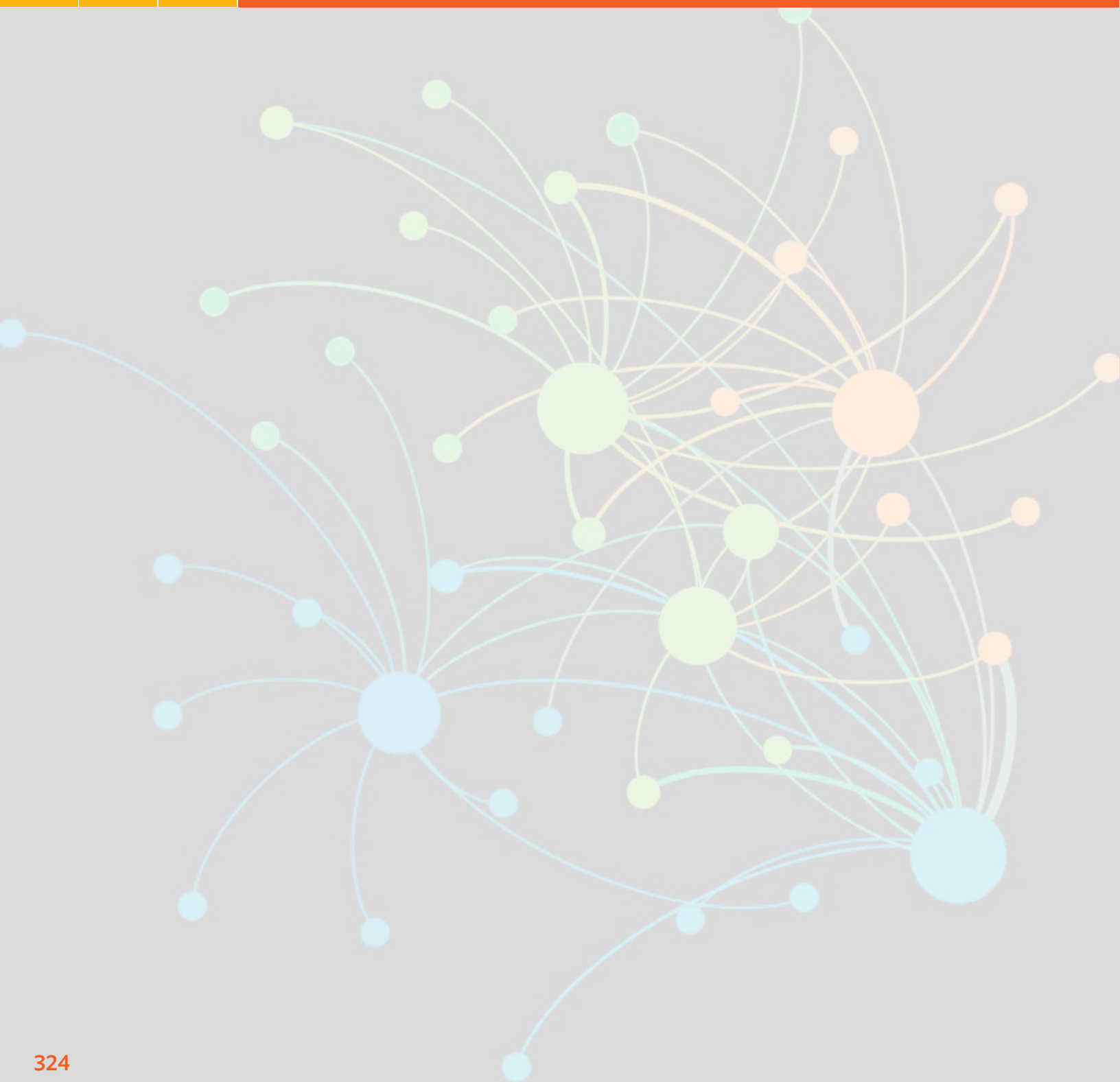


Table A4.1: Indonesia Input–Output Table, 2010 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 5,102 | 6 | 48,315 | 1,168 | 13 | 2,794 | 515 |
| Mining and quarrying | c2 | 0 | 9,874 | 117 | 7 | 0 | 3 | 0 |
| Food, beverages, and tobacco | c3 | 4,530 | 113 | 21,667 | 89 | 341 | 57 | 38 |
| Textiles and textile products | c4 | 49 | 7 | 15 | 3,056 | 59 | 13 | 14 |
| Leather, leather products, and footwear | c5 | 1 | 20 | 0 | 118 | 268 | 1 | 1 |
| Wood and products of wood and cork | c6 | 20 | 3 | 5 | 1 | 0 | 1,618 | 1 |
| Pulp, paper, paper products, printing, and publishing | c7 | 33 | 159 | 702 | 105 | 54 | 45 | 7,248 |
| Coke, refined petroleum, and nuclear fuel | c8 | 623 | 1,164 | 271 | 264 | 14 | 140 | 344 |
| Chemicals and chemical products | c9 | 859 | 609 | 371 | 1,127 | 82 | 380 | 735 |
| Rubber and plastics | c10 | 107 | 13 | 20 | 36 | 146 | 58 | 56 |
| Other nonmetallic minerals | c11 | 1 | – | 0 | 1 | 4 | 20 | – |
| Basic metals and fabricated metal | c12 | 93 | 22 | 51 | 59 | 23 | 72 | 72 |
| Machinery, nec | c13 | 92 | 601 | 43 | 72 | 6 | 55 | 108 |
| Electrical and optical equipment | c14 | 1 | 55 | 0 | 16 | 0 | 0 | 13 |
| Transport equipment | c15 | 154 | 261 | 195 | 86 | – | 37 | 92 |
| Manufacturing, nec; recycling | c16 | 23 | 76 | 65 | 23 | 9 | 5 | 39 |
| Electricity, gas, and water supply | c17 | 50 | 165 | 432 | 436 | 35 | 128 | 432 |
| Construction | c18 | 2,484 | 2,588 | 169 | 20 | 6 | 4 | 71 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 596 | 581 | 1,533 | 297 | – | 171 | 257 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 1,703 | 923 | 7,382 | 1,244 | 305 | 924 | 1,520 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1,000 | 542 | 4,334 | 731 | 179 | 542 | 893 |
| Hotels and restaurants | c22 | 22 | 207 | 152 | 113 | 15 | 61 | 141 |
| Inland transport | c23 | 297 | 713 | 1,560 | 280 | 53 | 178 | 622 |
| Water transport | c24 | 108 | 465 | 563 | 101 | 16 | 67 | 86 |
| Air transport | c25 | 18 | 230 | 142 | 29 | 5 | 18 | 26 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 55 | 83 | 225 | 32 | 11 | 24 | 35 |
| Post and telecommunications | c27 | 36 | 252 | 292 | 155 | 26 | 63 | 271 |
| Financial intermediation | c28 | 1,230 | 1,586 | 929 | 447 | 70 | 173 | 665 |
| Real estate activities | c29 | 0 | 42 | 5 | 8 | 1 | 1 | 24 |
| Renting of M&Eq and other business activities | c30 | 277 | 1,724 | 450 | 256 | – | 104 | 263 |
| Public administration and defense; compulsory social security | c31 | 177 | 351 | 110 | 35 | 6 | 0 | 72 |
| Education | c32 | – | 12 | 6 | 5 | 1 | 0 | 24 |
| Health and social work | c33 | 1 | 70 | 17 | 21 | 1 | 0 | 87 |
| Other community, social, and personal services | c34 | 169 | 32 | 411 | 83 | 57 | 25 | 146 |
| Private households with employed persons | c35 | – | – | – | – | – | – | – |

continued on next page

Table A4.1 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 8 | 1,194 | 5,450 | 55 | 40 | 1 | 0 |
| Mining and quarrying | c2 | 21,431 | 5,389 | 582 | 3,725 | 6,995 | 4 | 102 |
| Food, beverages, and tobacco | c3 | 50 | 487 | 11 | 16 | 35 | 7 | 32 |
| Textiles and textile products | c4 | 0 | 26 | 29 | 3 | 29 | 1 | 3 |
| Leather, leather products, and footwear | c5 | 0 | 2 | 3 | 1 | 9 | 0 | 3 |
| Wood and products of wood and cork | c6 | 2 | 20 | 16 | 100 | 261 | 0 | 9 |
| Pulp, paper, paper products, printing, and publishing | c7 | 43 | 254 | 83 | 68 | 58 | 5 | 299 |
| Coke, refined petroleum, and nuclear fuel | c8 | 580 | 479 | 112 | 313 | 436 | 13 | 85 |
| Chemicals and chemical products | c9 | 30 | 5,678 | 3,221 | 462 | 1,160 | 59 | 761 |
| Rubber and plastics | c10 | 4 | 101 | 2,280 | 21 | 49 | 37 | 568 |
| Other nonmetallic minerals | c11 | 0 | 4 | 21 | 471 | 68 | 1 | 23 |
| Basic metals and fabricated metal | c12 | 44 | 32 | 62 | 332 | 2,058 | 46 | 158 |
| Machinery, nec | c13 | 65 | 45 | 45 | 51 | 119 | 1,870 | 637 |
| Electrical and optical equipment | c14 | 5 | 20 | 9 | 33 | 317 | 213 | 4,164 |
| Transport equipment | c15 | 157 | 95 | 92 | 59 | 145 | 26 | 149 |
| Manufacturing, nec; recycling | c16 | 26 | 43 | 8 | 4 | 15 | 2 | 37 |
| Electricity, gas, and water supply | c17 | 147 | 346 | 320 | 445 | 846 | 103 | 589 |
| Construction | c18 | 167 | 7 | 1 | 402 | 161 | 1 | 1 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 163 | 257 | 264 | 104 | 349 | 121 | 421 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 946 | 1,527 | 1,433 | 602 | 1,813 | 734 | 2,358 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 555 | 897 | 841 | 353 | 1,064 | 431 | 1,384 |
| Hotels and restaurants | c22 | 24 | 94 | 54 | 158 | 186 | 14 | 104 |
| Inland transport | c23 | 197 | 301 | 291 | 218 | 474 | 138 | 481 |
| Water transport | c24 | 295 | 94 | 97 | 40 | 125 | 45 | 155 |
| Air transport | c25 | 33 | 24 | 24 | 13 | 42 | 10 | 43 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 29 | 46 | 40 | 43 | 67 | 18 | 64 |
| Post and telecommunications | c27 | 49 | 177 | 56 | 92 | 173 | 27 | 147 |
| Financial intermediation | c28 | 143 | 446 | 319 | 134 | 295 | 101 | 187 |
| Real estate activities | c29 | 7 | 9 | 22 | 8 | 35 | 1 | 17 |
| Renting of M&Eq and other business activities | c30 | 485 | 186 | 124 | 192 | 214 | 66 | 287 |
| Public administration and defense; compulsory social security | c31 | 89 | 68 | 68 | 11 | 17 | - | 0 |
| Education | c32 | 4 | 13 | 2 | 10 | 9 | 1 | 2 |
| Health and social work | c33 | 5 | 39 | 5 | 11 | 60 | 2 | 4 |
| Other community, social, and personal services | c34 | 93 | 389 | 117 | 20 | 28 | 3 | 80 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A4.1 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 3 | 129 | 0 | 3,569 | 6 | 6 | 4 | 6,934 | 1 | 10 | 42 | 0 |
| 13 | 93 | 3,653 | 10,153 | 1 | 7 | 4 | 1 | 0 | - | - | 9 |
| 28 | 23 | 19 | 85 | 24 | 77 | 45 | 11,300 | 2 | 428 | 204 | 25 |
| 8 | 83 | 5 | 153 | 51 | 94 | 55 | 13 | 1 | 2 | 0 | 2 |
| 5 | 19 | 2 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| 28 | 768 | 0 | 7,882 | 6 | 151 | 88 | 5 | - | - | 0 | 1 |
| 76 | 187 | 5 | 692 | 360 | 1,560 | 909 | 106 | 7 | 11 | 9 | 30 |
| 145 | 89 | 2,485 | 6,602 | 611 | 2,849 | 1,661 | 122 | 5,386 | 1,794 | 2,186 | 74 |
| 156 | 317 | 27 | 2,194 | 90 | 152 | 89 | 41 | 23 | 26 | 1 | 2 |
| 470 | 303 | 2 | 5,108 | 317 | 944 | 550 | 39 | 459 | 25 | 135 | 34 |
| 16 | 29 | 0 | 12,225 | 2 | 4 | 3 | - | 56 | 8 | 0 | 0 |
| 248 | 302 | 13 | 18,303 | 178 | 347 | 202 | 22 | 44 | 15 | 0 | 0 |
| 124 | 74 | 59 | 490 | 73 | 4 | 2 | - | 0 | - | 0 | 3 |
| 409 | 89 | 82 | 1,217 | 392 | 66 | 39 | - | 95 | - | 0 | 5 |
| 4,971 | 53 | 41 | 1,021 | 421 | 368 | 215 | 140 | 1,158 | 39 | 128 | 20 |
| 3 | 117 | 13 | 216 | 28 | 129 | 75 | 18 | 15 | 98 | 47 | 1 |
| 170 | 224 | 15,700 | 480 | 320 | 653 | 381 | 185 | 145 | 35 | 6 | 106 |
| 1 | 10 | 51 | 1,195 | 372 | 1,832 | 1,068 | 77 | 201 | 235 | 3 | 586 |
| 391 | 116 | 104 | 2,642 | 429 | 768 | 448 | 476 | 1,474 | 108 | 67 | 61 |
| 2,053 | 619 | 527 | 11,163 | 623 | 909 | 593 | 2,291 | 938 | 386 | 432 | 180 |
| 1,205 | 363 | 309 | 6,553 | 366 | 534 | 348 | 1,345 | 550 | 227 | 254 | 106 |
| 68 | 55 | 21 | 1,758 | 110 | 674 | 393 | 27 | 16 | 35 | 339 | 19 |
| 426 | 179 | 168 | 3,413 | 422 | 1,266 | 738 | 473 | 273 | 68 | 59 | 22 |
| 140 | 43 | 28 | 892 | 41 | 114 | 66 | 172 | 149 | 17 | 21 | 449 |
| 27 | 12 | 10 | 249 | 23 | 200 | 116 | 30 | 28 | 20 | 128 | 129 |
| 86 | 15 | 11 | 533 | 70 | 171 | 100 | 68 | 240 | 1,020 | 965 | 394 |
| 92 | 113 | 146 | 1,125 | 359 | 1,359 | 792 | 73 | 71 | 121 | 220 | 206 |
| 322 | 194 | 249 | 1,910 | 844 | 3,205 | 1,868 | 233 | 234 | 414 | 197 | 165 |
| 7 | 1 | 5 | 153 | 408 | 1,163 | 678 | 28 | 34 | 4 | 1 | 15 |
| 265 | 165 | 261 | 2,130 | 497 | 1,124 | 655 | 142 | 541 | 303 | 500 | 120 |
| 114 | 0 | 5 | 887 | 3 | 7 | 4 | 120 | 175 | 41 | 26 | 1 |
| 2 | 0 | 6 | 118 | 3 | 71 | 41 | 7 | 11 | 1 | 8 | 6 |
| 17 | 1 | 15 | 163 | 48 | 71 | 41 | 2 | 3 | 22 | 4 | 18 |
| 98 | 114 | 10 | 336 | 148 | 151 | 88 | 95 | 47 | 2 | 23 | 34 |
| - | - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A4.1 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | 3 | 0 | 0 | 6 |
| Mining and quarrying | c2 | - | - | 2 | 118 | - |
| Food, beverages, and tobacco | c3 | 10 | 107 | 12 | 45 | 45 |
| Textiles and textile products | c4 | 2 | 2 | 5 | 9 | 60 |
| Leather, leather products, and footwear | c5 | 0 | 1 | 0 | 5 | 23 |
| Wood and products of wood and cork | c6 | 0 | - | 3 | 3 | 8 |
| Pulp, paper, paper products, printing, and publishing | c7 | 246 | 702 | 97 | 449 | 1,801 |
| Coke, refined petroleum, and nuclear fuel | c8 | 23 | 16 | 56 | 392 | 460 |
| Chemicals and chemical products | c9 | 2 | 45 | 20 | 84 | 335 |
| Rubber and plastics | c10 | 5 | 188 | 59 | 73 | 145 |
| Other nonmetallic minerals | c11 | 0 | 0 | 63 | 9 | 79 |
| Basic metals and fabricated metal | c12 | 15 | 184 | 37 | 42 | 40 |
| Machinery, nec | c13 | 13 | 0 | 0 | 128 | - |
| Electrical and optical equipment | c14 | 188 | 12 | 16 | 154 | 82 |
| Transport equipment | c15 | 37 | 152 | 38 | 192 | 18 |
| Manufacturing, nec; recycling | c16 | 46 | 71 | 18 | 90 | 52 |
| Electricity, gas, and water supply | c17 | 173 | 193 | 52 | 162 | 279 |
| Construction | c18 | 671 | 423 | 2,079 | 454 | 1,205 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 132 | 211 | 27 | 446 | 654 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 394 | 505 | 206 | 671 | 541 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 231 | 296 | 121 | 394 | 317 |
| Hotels and restaurants | c22 | 103 | 49 | 17 | 120 | 3,530 |
| Inland transport | c23 | 89 | 117 | 23 | 222 | 732 |
| Water transport | c24 | 192 | 19 | 6 | 135 | 108 |
| Air transport | c25 | 30 | 57 | 17 | 127 | 625 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 19 | 7 | 3 | 27 | 142 |
| Post and telecommunications | c27 | 3,911 | 865 | 78 | 530 | 554 |
| Financial intermediation | c28 | 443 | 2,774 | 644 | 945 | 1,714 |
| Real estate activities | c29 | 181 | 82 | 17 | 114 | 15 |
| Renting of M&Eq and other business activities | c30 | 1,046 | 1,176 | 233 | 1,074 | 487 |
| Public administration and defense; compulsory social security | c31 | 1,016 | 264 | 180 | 118 | 13 |
| Education | c32 | 26 | 179 | 0 | 16 | 84 |
| Health and social work | c33 | 6 | 77 | 4 | 24 | 59 |
| Other community, social, and personal services | c34 | 289 | 385 | 73 | 548 | 104 |
| Private households with employed persons | c35 | - | - | - | - | - |

continued on next page

Table A4.1 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|----------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 77 | 1,013 | 16 | - | 33,017 | - | - | 10,919 | 3,032 | 4,320 | 127,768 |
| - | - | 0 | - | - | - | - | 710 | 480 | 44,315 | 107,788 |
| 50 | 1,623 | 76 | - | 79,416 | - | 1,075 | - | 689 | 21,957 | 144,837 |
| 42 | 16 | 59 | - | 9,351 | - | - | 161 | 920 | 11,809 | 26,206 |
| 1 | 0 | 19 | - | 1,130 | - | - | 3 | 228 | 3,180 | 5,057 |
| 15 | 0 | 31 | - | 464 | - | - | - | 85 | 3,192 | 14,786 |
| 3,479 | 61 | 109 | - | 882 | - | - | 26 | 105 | 6,088 | 27,154 |
| 203 | 68 | 65 | - | 9,802 | - | - | - | 238 | 15,422 | 55,588 |
| 568 | 1,334 | 397 | - | 5,316 | - | - | - | 951 | 9,231 | 36,938 |
| 100 | 40 | 87 | - | 3,608 | - | - | 131 | 493 | 10,999 | 27,810 |
| 117 | 37 | 65 | - | 1,554 | - | - | 5 | 63 | 1,016 | 15,966 |
| 59 | 18 | 112 | - | 301 | - | - | 308 | 110 | 11,350 | 35,375 |
| 23 | 6 | 22 | - | 0 | - | - | 3,793 | 117 | 1,986 | 10,728 |
| 219 | 102 | 193 | - | 5,258 | - | - | 2,078 | 387 | 14,883 | 30,812 |
| 33 | 19 | 30 | - | 11,375 | - | - | 3,879 | 60 | 4,499 | 30,457 |
| 293 | 222 | 226 | - | 2,393 | - | - | 1,356 | 266 | 3,776 | 9,941 |
| 102 | 181 | 161 | - | 10,605 | - | 5 | - | 3 | 65 | 34,860 |
| 495 | 38 | 66 | - | - | - | - | 180,398 | 2,362 | 517 | 200,420 |
| 287 | 151 | 65 | - | 14,238 | - | 25 | 901 | 191 | 0 | 29,525 |
| 844 | 820 | 772 | - | 21,367 | - | 258 | 4,596 | 943 | 52 | 76,099 |
| 495 | 482 | 453 | - | 12,543 | - | 152 | 2,698 | 554 | 0 | 44,643 |
| 114 | 15 | 35 | - | 35,428 | - | - | - | - | 4,385 | 48,655 |
| 444 | 177 | 71 | - | 14,499 | - | 26 | 941 | 200 | 243 | 31,092 |
| 55 | 48 | 28 | - | 3,981 | - | 10 | 346 | 73 | 725 | 10,114 |
| 50 | 15 | 21 | - | 8,389 | - | 2 | 76 | 16 | 1,701 | 12,755 |
| 31 | 22 | 29 | - | 2,093 | - | 4 | 149 | 32 | 449 | 7,451 |
| 209 | 119 | 309 | - | 17,099 | - | - | - | - | 1,398 | 31,565 |
| 289 | 192 | 213 | - | 11,912 | - | 643 | - | - | 113 | 36,443 |
| 66 | 11 | 19 | - | 22,924 | - | - | - | - | 271 | 26,377 |
| 253 | 54 | 168 | - | 1,055 | - | - | 2,026 | - | 3,570 | 22,474 |
| 28 | 13 | 7 | - | 1,190 | - | 40,209 | 31 | - | 589 | 46,046 |
| 976 | 17 | 4 | - | 14,553 | - | 17,904 | - | - | 118 | 34,241 |
| 49 | 1,041 | 4 | - | 9,566 | - | 4,611 | - | - | 314 | 16,483 |
| 106 | 60 | 7,687 | - | 13,306 | - | 8 | 654 | 57 | 989 | 27,064 |
| - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A4.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 341 | 1 | 2,974 | 115 | 4 | 20 | 3 |
| Mining and quarrying | m2 | 6 | 1,275 | 17 | 4 | 0 | 1 | 4 |
| Food, beverages, and tobacco | m3 | 479 | 19 | 2,195 | 21 | 38 | 7 | 11 |
| Textiles and textile products | m4 | 55 | 16 | 18 | 2,428 | 253 | 12 | 18 |
| Leather, leather products, and footwear | m5 | 1 | 16 | 1 | 164 | 809 | 1 | 2 |
| Wood and products of wood and cork | m6 | 1 | 1 | 1 | 2 | 1 | 111 | 13 |
| Pulp, paper, paper products, printing, and publishing | m7 | 6 | 27 | 83 | 13 | 8 | 11 | 1,001 |
| Coke, refined petroleum, and nuclear fuel | m8 | 303 | 555 | 111 | 121 | 8 | 48 | 166 |
| Chemicals and chemical products | m9 | 594 | 488 | 219 | 760 | 120 | 221 | 556 |
| Rubber and plastics | m10 | 29 | 10 | 22 | 55 | 43 | 19 | 44 |
| Other nonmetallic minerals | m11 | 4 | 8 | 6 | 21 | 1 | 6 | 5 |
| Basic metals and fabricated metal | m12 | 40 | 54 | 35 | 48 | 10 | 31 | 79 |
| Machinery, nec | m13 | 146 | 949 | 63 | 101 | 10 | 69 | 166 |
| Electrical and optical equipment | m14 | 11 | 108 | 12 | 19 | 2 | 5 | 28 |
| Transport equipment | m15 | 83 | 125 | 58 | 29 | 6 | 12 | 34 |
| Manufacturing, nec; recycling | m16 | 5 | 14 | 8 | 7 | 3 | 2 | 7 |
| Electricity, gas, and water supply | m17 | 3 | 21 | 13 | 7 | 1 | 1 | 10 |
| Construction | m18 | 84 | 93 | 8 | 1 | 0 | 0 | 3 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 4 | 2 | 11 | 14 | 1 | 4 | 4 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 90 | 68 | 259 | 157 | 27 | 31 | 62 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 21 | 8 | 85 | 65 | 7 | 12 | 20 |
| Hotels and restaurants | m22 | 11 | 74 | 58 | 22 | 14 | 12 | 46 |
| Inland transport | m23 | 31 | 51 | 147 | 25 | 5 | 10 | 24 |
| Water transport | m24 | 11 | 13 | 38 | 14 | 3 | 13 | 12 |
| Air transport | m25 | 18 | 143 | 93 | 22 | 4 | 16 | 21 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 6 | 8 | 33 | 10 | 2 | 12 | 8 |
| Post and telecommunications | m27 | 4 | 13 | 14 | 7 | 1 | 3 | 13 |
| Financial intermediation | m28 | 34 | 79 | 23 | 12 | 2 | 4 | 16 |
| Real estate activities | m29 | 0 | 5 | 1 | 1 | 0 | 0 | 2 |
| Renting of M&Eq and other business activities | m30 | 13 | 563 | 38 | 18 | 3 | 5 | 43 |
| Public administration and defense; compulsory social security | m31 | 20 | 44 | 20 | 5 | 2 | 1 | 10 |
| Education | m32 | 1 | 4 | 2 | 1 | 0 | 0 | 4 |
| Health and social work | m33 | 1 | 15 | 3 | 3 | 0 | 0 | 16 |
| Other community, social, and personal services | m34 | 17 | 7 | 56 | 12 | 5 | 3 | 19 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total intermediate consumption | r60 | 22,389 | 28,427 | 97,273 | 14,821 | 3,198 | 8,486 | 17,384 |
| Taxes less subsidies on products | r99 | – | – | – | – | – | – | – |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 105,202 | 79,016 | 47,059 | 10,952 | 1,812 | 6,247 | 9,571 |
| International transport margins | | 177 | 346 | 506 | 432 | 47 | 53 | 198 |
| Output at basic prices | r69 | 127,768 | 107,788 | 144,837 | 26,206 | 5,057 | 14,786 | 27,154 |

continued on next page

Table A4.1 Import Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|----------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| 0 | 80 | 376 | 2 | 2 | 0 | 1 | 0 | 8 | 0 | 25 | 0 | 1 |
| 2,735 | 684 | 80 | 435 | 848 | 9 | 24 | 4 | 12 | 474 | 1,310 | 6 | 20 |
| 7 | 78 | 24 | 5 | 12 | 3 | 10 | 4 | 5 | 2 | 31 | 4 | 10 |
| 1 | 41 | 40 | 6 | 39 | 2 | 8 | 10 | 79 | 4 | 179 | 57 | 91 |
| 0 | 3 | 8 | 1 | 8 | 0 | 4 | 4 | 25 | 3 | 10 | 0 | 15 |
| 1 | 3 | 2 | 3 | 8 | 1 | 3 | 1 | 18 | 0 | 204 | 1 | 5 |
| 5 | 30 | 15 | 9 | 9 | 2 | 43 | 7 | 18 | 2 | 105 | 49 | 214 |
| 273 | 336 | 139 | 141 | 227 | 8 | 58 | 116 | 43 | 1,127 | 2,982 | 282 | 1,290 |
| 32 | 3,226 | 2,431 | 334 | 883 | 53 | 576 | 107 | 225 | 40 | 1,758 | 42 | 117 |
| 3 | 42 | 455 | 7 | 47 | 66 | 127 | 120 | 58 | 2 | 1,008 | 63 | 185 |
| 12 | 17 | 8 | 119 | 27 | 7 | 22 | 11 | 4 | 7 | 674 | 1 | 2 |
| 53 | 49 | 48 | 225 | 1,906 | 164 | 207 | 246 | 231 | 14 | 9,849 | 54 | 98 |
| 104 | 77 | 76 | 79 | 198 | 2,756 | 1,028 | 188 | 112 | 94 | 865 | 122 | 12 |
| 10 | 50 | 21 | 35 | 436 | 314 | 5,540 | 418 | 104 | 109 | 1,596 | 543 | 64 |
| 54 | 36 | 36 | 22 | 133 | 101 | 138 | 1,718 | 23 | 17 | 449 | 140 | 119 |
| 4 | 12 | 8 | 2 | 8 | 8 | 21 | 7 | 14 | 2 | 59 | 6 | 18 |
| 13 | 13 | 6 | 11 | 88 | 2 | 9 | 5 | 2 | 10 | 30 | 15 | 24 |
| 9 | 1 | 1 | 14 | 7 | 4 | 2 | 1 | 1 | 3 | 50 | 14 | 64 |
| 3 | 6 | 8 | 2 | 7 | 6 | 20 | 9 | 2 | 1 | 26 | 1 | 2 |
| 84 | 112 | 98 | 36 | 105 | 107 | 200 | 86 | 19 | 41 | 498 | 14 | 41 |
| 15 | 31 | 29 | 13 | 30 | 35 | 74 | 40 | 7 | 4 | 119 | 4 | 10 |
| 9 | 33 | 18 | 49 | 62 | 5 | 34 | 19 | 16 | 7 | 596 | 39 | 236 |
| 80 | 34 | 25 | 17 | 39 | 17 | 29 | 19 | 7 | 16 | 127 | 8 | 22 |
| 10 | 12 | 8 | 6 | 14 | 8 | 22 | 10 | 3 | 2 | 45 | 1 | 51 |
| 20 | 18 | 16 | 9 | 27 | 10 | 41 | 20 | 8 | 6 | 156 | 15 | 143 |
| 3 | 8 | 6 | 6 | 10 | 4 | 12 | 9 | 3 | 1 | 44 | 5 | 17 |
| 3 | 8 | 2 | 4 | 7 | 2 | 10 | 4 | 5 | 7 | 51 | 16 | 59 |
| 8 | 15 | 8 | 3 | 8 | 3 | 5 | 10 | 4 | 7 | 74 | 40 | 109 |
| 1 | 1 | 2 | 1 | 3 | 0 | 2 | 1 | 0 | 0 | 15 | 34 | 97 |
| 43 | 19 | 11 | 47 | 39 | 9 | 30 | 40 | 14 | 31 | 777 | 122 | 252 |
| 11 | 10 | 8 | 3 | 33 | 1 | 3 | 12 | 1 | 2 | 107 | 4 | 9 |
| 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 0 | 1 | 24 | 1 | 12 |
| 1 | 8 | 1 | 2 | 12 | 1 | 4 | 3 | 0 | 3 | 35 | 10 | 15 |
| 7 | 27 | 5 | 3 | 5 | 4 | 13 | 13 | 13 | 3 | 34 | 24 | 42 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29,487 | 23,912 | 20,125 | 10,219 | 23,040 | 7,815 | 21,677 | 15,448 | 5,985 | 26,071 | 129,527 | 9,380 | 24,497 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 25,727 | 12,580 | 7,346 | 5,606 | 11,868 | 2,615 | 8,512 | 14,773 | 3,872 | 8,626 | 68,978 | 20,041 | 51,428 |
| 374 | 446 | 339 | 141 | 467 | 298 | 623 | 236 | 84 | 163 | 1,914 | 105 | 175 |
| 55,588 | 36,938 | 27,810 | 15,966 | 35,375 | 10,728 | 30,812 | 30,457 | 9,941 | 34,860 | 200,420 | 29,525 | 76,099 |

continued on next page

Table A4.1 Import Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1 | 330 | 0 | 1 | 3 | 0 |
| Mining and quarrying | m2 | 11 | 2 | 32 | 10 | 13 | 0 |
| Food, beverages, and tobacco | m3 | 6 | 1,122 | 1 | 43 | 21 | 2 |
| Textiles and textile products | m4 | 53 | 12 | 1 | 2 | 0 | 2 |
| Leather, leather products, and footwear | m5 | 9 | 2 | 0 | 1 | 0 | 1 |
| Wood and products of wood and cork | m6 | 3 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 123 | 9 | 3 | 2 | 2 | 1 |
| Coke, refined petroleum, and nuclear fuel | m8 | 741 | 51 | 2,452 | 750 | 976 | 17 |
| Chemicals and chemical products | m9 | 68 | 21 | 47 | 18 | 18 | 4 |
| Rubber and plastics | m10 | 108 | 8 | 90 | 5 | 27 | 11 |
| Other nonmetallic minerals | m11 | 2 | 1 | 7 | 1 | 3 | 1 |
| Basic metals and fabricated metal | m12 | 57 | 7 | 21 | 7 | 9 | 1 |
| Machinery, nec | m13 | 7 | 1 | 5 | 2 | 10 | 3 |
| Electrical and optical equipment | m14 | 37 | 4 | 108 | 8 | 7 | 10 |
| Transport equipment | m15 | 69 | 41 | 357 | 105 | 851 | 15 |
| Manufacturing, nec; recycling | m16 | 10 | 2 | 3 | 12 | 14 | 0 |
| Electricity, gas, and water supply | m17 | 14 | 5 | 2 | 4 | 1 | 1 |
| Construction | m18 | 37 | 3 | 7 | 8 | 1 | 11 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 2 | 2 | 1 | 1 | 2 | 1 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 17 | 66 | 19 | 42 | 29 | 11 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 8 | 22 | 10 | 3 | 6 | 2 |
| Hotels and restaurants | m22 | 137 | 17 | 6 | 12 | 117 | 8 |
| Inland transport | m23 | 21 | 29 | 10 | 5 | 9 | 2 |
| Water transport | m24 | 6 | 8 | 5 | 37 | 12 | 17 |
| Air transport | m25 | 77 | 20 | 18 | 27 | 100 | 81 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 13 | 6 | 19 | 69 | 66 | 41 |
| Post and telecommunications | m27 | 34 | 4 | 4 | 6 | 11 | 7 |
| Financial intermediation | m28 | 63 | 8 | 7 | 17 | 12 | 3 |
| Real estate activities | m29 | 57 | 2 | 3 | 0 | 0 | 1 |
| Renting of M&Eq and other business activities | m30 | 147 | 28 | 52 | 31 | 32 | 17 |
| Public administration and defense; compulsory social security | m31 | 5 | 14 | 19 | 6 | 6 | 0 |
| Education | m32 | 7 | 1 | 2 | 0 | 2 | 1 |
| Health and social work | m33 | 9 | 0 | 1 | 4 | 1 | 0 |
| Other community, social, and personal services | m34 | 34 | 45 | 4 | 1 | 5 | 13 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total intermediate consumption | r60 | 14,351 | 26,479 | 15,696 | 6,755 | 8,379 | 3,111 |
| Taxes less subsidies on products | r99 | - | - | - | - | - | - |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - |
| Value added at basic prices | r64 | 30,191 | 22,037 | 15,169 | 3,282 | 4,215 | 4,333 |
| International transport margins | | 102 | 140 | 227 | 77 | 161 | 6 |
| Output at basic prices | r69 | 44,643 | 48,655 | 31,092 | 10,114 | 12,755 | 7,451 |

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Table A4.1 Import Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|---------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 0 | 1 | 0 | 0 | 2 | 6 | 67 | 1 | - | 1,040 | - |
| 1 | 1 | 1 | 19 | 4 | 3 | 2 | 2 | - | 67 | - |
| 2 | 12 | 1 | 6 | 8 | 9 | 170 | 9 | - | 3,636 | - |
| 2 | 2 | 5 | 8 | 65 | 47 | 17 | 55 | - | 524 | - |
| 0 | 3 | 0 | 7 | 25 | 2 | 2 | 25 | - | 269 | - |
| 0 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | - | 12 | - |
| 24 | 73 | 5 | 49 | 254 | 361 | 7 | 12 | - | 430 | - |
| 11 | 12 | 15 | 175 | 216 | 105 | 39 | 31 | - | 3,936 | - |
| 2 | 34 | 11 | 50 | 166 | 372 | 219 | 134 | - | 1,428 | - |
| 2 | 37 | 13 | 22 | 31 | 24 | 9 | 43 | - | 496 | - |
| 0 | 1 | 7 | 7 | 6 | 8 | 3 | 4 | - | 38 | - |
| 7 | 51 | 21 | 20 | 17 | 44 | 9 | 35 | - | 141 | - |
| 24 | 3 | 1 | 202 | 5 | 41 | 12 | 37 | - | 96 | - |
| 357 | 27 | 13 | 278 | 84 | 300 | 170 | 291 | - | 7,928 | - |
| 15 | 48 | 16 | 69 | 171 | 17 | 9 | 15 | - | 1,124 | - |
| 7 | 9 | 1 | 12 | 9 | 38 | 28 | 26 | - | 356 | - |
| 2 | 2 | 1 | 6 | 4 | 4 | 18 | 6 | - | 295 | - |
| 24 | 15 | 46 | 16 | 42 | 17 | 1 | 2 | - | 5 | - |
| 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | - | 44 | - |
| 9 | 11 | 7 | 21 | 24 | 29 | 26 | 37 | - | 446 | - |
| 3 | 4 | 4 | 6 | 25 | 4 | 5 | 4 | - | 222 | - |
| 37 | 17 | 47 | 41 | 1,241 | 40 | 6 | 12 | - | 1,656 | - |
| 3 | 3 | 10 | 10 | 16 | 10 | 7 | 5 | - | 467 | - |
| 6 | 2 | 2 | 7 | 15 | 3 | 2 | 3 | - | 147 | - |
| 20 | 38 | 21 | 80 | 388 | 31 | 9 | 15 | - | 785 | - |
| 3 | 3 | 3 | 5 | 12 | 3 | 2 | 3 | - | 171 | - |
| 190 | 42 | 4 | 26 | 27 | 11 | 6 | 15 | - | 292 | - |
| 17 | 88 | 9 | 33 | 44 | 9 | 12 | 7 | - | 356 | - |
| 15 | 7 | 1 | 10 | 2 | 6 | 1 | 2 | - | 123 | - |
| 197 | 212 | 58 | 230 | 84 | 75 | 9 | 27 | - | 208 | - |
| 109 | 31 | 15 | 16 | 16 | 7 | 11 | 3 | - | 55 | - |
| 5 | 25 | 0 | 3 | 22 | 133 | 3 | 1 | - | 69 | - |
| 2 | 15 | 0 | 5 | 16 | 10 | 206 | 1 | - | 136 | - |
| 34 | 46 | 12 | 93 | 28 | 13 | 5 | 232 | - | 714 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 10,670 | 10,041 | 4,557 | 9,452 | 17,387 | 11,956 | 9,109 | 12,716 | - | 406,328 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 20,863 | 26,377 | 21,809 | 12,951 | 28,569 | 22,178 | 7,311 | 14,290 | - | - | - |
| 32 | 25 | 10 | 71 | 90 | 108 | 63 | 59 | - | 1,624 | - |
| 31,565 | 36,443 | 26,377 | 22,474 | 46,046 | 34,241 | 16,483 | 27,064 | - | 407,952 | - |

continued on next page

Table A4.1 Import Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|----------------|------------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 3 | 3 | - | 5,414 |
| Mining and quarrying | m2 | 0 | 26 | 2 | - | 8,144 |
| Food, beverages, and tobacco | m3 | 45 | 8 | 13 | - | 8,078 |
| Textiles and textile products | m4 | 0 | 19 | (0) | - | 4,170 |
| Leather, leather products, and footwear | m5 | 0 | 1 | 4 | - | 1,428 |
| Wood and products of wood and cork | m6 | 0 | 7 | 3 | - | 411 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 10 | 1 | - | 3,024 |
| Coke, refined petroleum, and nuclear fuel | m8 | 2 | 3 | 11 | - | 17,878 |
| Chemicals and chemical products | m9 | 0 | 38 | 16 | - | 15,428 |
| Rubber and plastics | m10 | 0 | 23 | 1 | - | 3,354 |
| Other nonmetallic minerals | m11 | 0 | 18 | 39 | - | 1,104 |
| Basic metals and fabricated metal | m12 | 0 | 297 | 17 | - | 14,202 |
| Machinery, nec | m13 | 0 | 5,868 | 176 | - | 13,708 |
| Electrical and optical equipment | m14 | 0 | 3,309 | 526 | - | 22,882 |
| Transport equipment | m15 | 0 | 5,305 | 51 | - | 11,610 |
| Manufacturing, nec; recycling | m16 | 1 | 185 | 24 | - | 952 |
| Electricity, gas, and water supply | m17 | 4 | 9 | 3 | - | 661 |
| Construction | m18 | 0 | 14 | 0 | - | 608 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 28 | 1 | - | 224 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 1 | 387 | 19 | - | 3,336 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 1 | 97 | 2 | - | 1,055 |
| Hotels and restaurants | m22 | 0 | 1 | 1 | - | 4,757 |
| Inland transport | m23 | 3 | 50 | 1 | - | 1,392 |
| Water transport | m24 | 0 | 4 | (1) | - | 572 |
| Air transport | m25 | 0 | 2 | 0 | - | 2,521 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 1 | 6 | 0 | - | 633 |
| Post and telecommunications | m27 | 5 | 4 | 0 | - | 921 |
| Financial intermediation | m28 | 11 | 7 | 0 | - | 1,169 |
| Real estate activities | m29 | 0 | 1 | 0 | - | 399 |
| Renting of M&Eq and other business activities | m30 | 4 | 916 | 1 | - | 4,446 |
| Public administration and defense; compulsory social security | m31 | 188 | 10 | 1 | - | 816 |
| Education | m32 | 58 | 6 | 0 | - | 403 |
| Health and social work | m33 | 77 | 3 | 0 | - | 620 |
| Other community, social, and personal services | m34 | 14 | 5 | 0 | - | 1,610 |
| Private households with employed persons | m35 | 1 | 0 | 0 | - | 2 |
| Total intermediate consumption | r60 | 65,350 | 232,856 | 13,574 | 183,521 | 1,601,451 |
| Taxes less subsidies on products | r99 | - | - | - | - | - |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | - | - | - | - | 735,405 |
| International transport margins | | 4 | 1,270 | 73 | - | 11,263 |
| Output at basic prices | r69 | 65,353 | 234,126 | 13,648 | 183,521 | 2,348,120 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A4.2: Indonesia Input-Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 6,521 | 6 | 66,407 | 1,231 | 13 | 2,863 | 498 |
| Mining and quarrying | c2 | 0 | 8,538 | 125 | 5 | 0 | 3 | 0 |
| Food, beverages, and tobacco | c3 | 5,445 | 117 | 27,669 | 65 | 420 | 64 | 42 |
| Textiles and textile products | c4 | 35 | 6 | 12 | 1,883 | 41 | 9 | 9 |
| Leather, leather products, and footwear | c5 | 35 | 58 | 12 | 2,127 | 691 | 9 | 11 |
| Wood and products of wood and cork | c6 | 16 | 2 | 5 | 0 | 0 | 1,267 | 1 |
| Pulp, paper, paper products, printing, and publishing | c7 | 34 | 147 | 811 | 92 | 65 | 47 | 6,999 |
| Coke, refined petroleum, and nuclear fuel | c8 | 770 | 1,178 | 338 | 271 | - | 152 | 355 |
| Chemicals and chemical products | c9 | 1,042 | 653 | 495 | 1,195 | 63 | 436 | 816 |
| Rubber and plastics | c10 | 81 | 9 | 16 | 8 | 125 | 41 | 39 |
| Other nonmetallic minerals | c11 | 1 | - | 0 | 4 | 0 | 21 | - |
| Basic metals and fabricated metal | c12 | 99 | 23 | 66 | 79 | 6 | 77 | 88 |
| Machinery, nec | c13 | 99 | 588 | 52 | 73 | - | 58 | 109 |
| Electrical and optical equipment | c14 | 1 | 64 | 0 | 16 | 0 | 0 | 18 |
| Transport equipment | c15 | 170 | 244 | 224 | 77 | - | 37 | 89 |
| Manufacturing, nec; recycling | c16 | 17 | 49 | 51 | 19 | - | 3 | 28 |
| Electricity, gas, and water supply | c17 | 68 | 185 | 616 | 506 | 29 | 162 | 527 |
| Construction | c18 | 3,473 | 3,259 | 262 | 24 | 8 | 6 | 101 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 757 | 650 | 2,119 | 332 | - | 219 | 327 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 2,169 | 991 | 10,020 | 1,340 | 416 | 1,161 | 1,881 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1,271 | 580 | 5,871 | 785 | 244 | 681 | 1,102 |
| Hotels and restaurants | c22 | 30 | 257 | 232 | 136 | 19 | 81 | 181 |
| Inland transport | c23 | 410 | 860 | 2,308 | 319 | 92 | 245 | 803 |
| Water transport | c24 | 136 | 539 | 758 | 102 | 30 | 84 | 108 |
| Air transport | c25 | 66 | 724 | 560 | 91 | 19 | 63 | 95 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 108 | 130 | 496 | 65 | 14 | 49 | 71 |
| Post and telecommunications | c27 | 43 | 287 | 409 | 170 | 34 | 76 | 332 |
| Financial intermediation | c28 | 1,803 | 2,031 | 1,479 | 534 | 124 | 238 | 891 |
| Real estate activities | c29 | 1 | 44 | 6 | 6 | 4 | 1 | 26 |
| Renting of M&Eq and other business activities | c30 | 429 | 2,583 | 716 | 253 | 75 | 147 | 388 |
| Public administration and defense; compulsory social security | c31 | 209 | 367 | 142 | 42 | - | 0 | 77 |
| Education | c32 | - | 14 | 8 | 7 | 0 | 0 | 31 |
| Health and social work | c33 | 1 | 83 | 25 | 23 | 2 | 0 | 106 |
| Other community, social, and personal services | c34 | 241 | 39 | 591 | 125 | 36 | 31 | 186 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A4.2 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 13 | 1,838 | 6,762 | 75 | 56 | 2 | 0 |
| Mining and quarrying | c2 | 32,726 | 6,376 | 568 | 4,296 | 8,343 | 4 | 115 |
| Food, beverages, and tobacco | c3 | 92 | 704 | 13 | 22 | 50 | 9 | 43 |
| Textiles and textile products | c4 | 0 | 24 | 22 | 4 | 29 | 1 | 2 |
| Leather, leather products, and footwear | c5 | 0 | 26 | 25 | 4 | 51 | 2 | 16 |
| Wood and products of wood and cork | c6 | 2 | 20 | 13 | 98 | 261 | 0 | 9 |
| Pulp, paper, paper products, printing, and publishing | c7 | 75 | 345 | 90 | 86 | 77 | 6 | 371 |
| Coke, refined petroleum, and nuclear fuel | c8 | 1,037 | 671 | 128 | 423 | 608 | 16 | 113 |
| Chemicals and chemical products | c9 | 57 | 8,623 | 3,900 | 660 | 1,726 | 79 | 1,075 |
| Rubber and plastics | c10 | 5 | 94 | 1,713 | 18 | 46 | 31 | 498 |
| Other nonmetallic minerals | c11 | 0 | 6 | 23 | 594 | 88 | 1 | 29 |
| Basic metals and fabricated metal | c12 | 82 | 49 | 72 | 482 | 3,348 | 65 | 224 |
| Machinery, nec | c13 | 112 | 61 | 49 | 67 | 162 | 2,253 | 819 |
| Electrical and optical equipment | c14 | 9 | 36 | 11 | 47 | 512 | 295 | 6,319 |
| Transport equipment | c15 | 259 | 123 | 97 | 73 | 197 | 30 | 184 |
| Manufacturing, nec; recycling | c16 | 29 | 39 | 6 | 3 | 14 | 2 | 31 |
| Electricity, gas, and water supply | c17 | 309 | 557 | 424 | 693 | 1,281 | 151 | 916 |
| Construction | c18 | 372 | 13 | 1 | 674 | 277 | 1 | 2 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 308 | 389 | 344 | 150 | 516 | 163 | 614 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 1,774 | 2,290 | 1,831 | 859 | 2,645 | 979 | 3,383 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1,040 | 1,342 | 1,073 | 504 | 1,550 | 574 | 1,983 |
| Hotels and restaurants | c22 | 53 | 163 | 75 | 261 | 317 | 21 | 169 |
| Inland transport | c23 | 403 | 490 | 405 | 345 | 762 | 200 | 753 |
| Water transport | c24 | 596 | 138 | 123 | 56 | 181 | 59 | 220 |
| Air transport | c25 | 182 | 106 | 89 | 54 | 180 | 38 | 181 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 85 | 109 | 83 | 90 | 150 | 40 | 147 |
| Post and telecommunications | c27 | 99 | 282 | 73 | 139 | 275 | 38 | 221 |
| Financial intermediation | c28 | 322 | 795 | 465 | 230 | 529 | 162 | 319 |
| Real estate activities | c29 | 12 | 14 | 26 | 11 | 51 | 1 | 23 |
| Renting of M&Eq and other business activities | c30 | 1,139 | 341 | 185 | 365 | 421 | 106 | 504 |
| Public administration and defense; compulsory social security | c31 | 166 | 97 | 80 | 15 | 25 | - | 0 |
| Education | c32 | 9 | 21 | 3 | 15 | 15 | 2 | 4 |
| Health and social work | c33 | 10 | 65 | 6 | 18 | 98 | 2 | 6 |
| Other community, social, and personal services | c34 | 197 | 665 | 162 | 31 | 47 | 4 | 122 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A4.2 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 5 | 157 | 0 | 5,079 | 7 | 8 | 5 | 10,614 | 1 | 14 | 107 | 0 |
| 16 | 94 | 4,416 | 13,065 | 1 | 8 | 4 | 1 | 0 | - | - | 12 |
| 40 | 28 | 27 | 131 | 32 | 99 | 58 | 15,440 | 3 | 556 | 487 | 43 |
| 10 | 70 | 4 | 144 | 42 | 68 | 39 | 11 | 0 | 1 | 0 | 5 |
| 12 | 89 | 13 | 143 | 42 | 103 | 60 | 11 | 1 | 3 | 0 | 6 |
| 28 | 658 | 0 | 8,590 | 6 | 139 | 80 | 5 | - | - | 0 | 1 |
| 100 | 211 | 7 | 973 | 446 | 1,821 | 1,056 | 137 | 8 | 13 | 20 | 48 |
| 200 | 105 | 3,516 | 9,944 | 819 | 3,616 | 2,097 | 162 | 6,722 | 2,276 | 5,091 | 125 |
| 227 | 397 | 38 | 3,501 | 131 | 206 | 120 | 60 | 32 | 37 | 3 | 4 |
| 437 | 235 | 2 | 5,061 | 280 | 788 | 457 | 35 | 377 | 21 | 207 | 38 |
| 20 | 32 | 0 | 17,216 | 2 | 5 | 3 | - | 66 | 9 | 0 | 0 |
| 366 | 370 | 17 | 28,400 | 225 | 414 | 240 | 28 | 51 | 17 | 0 | 1 |
| 165 | 85 | 80 | 713 | 94 | 4 | 3 | - | 0 | - | 0 | 5 |
| 635 | 117 | 130 | 2,040 | 598 | 88 | 51 | - | 129 | - | 1 | 10 |
| 6,288 | 58 | 53 | 1,415 | 520 | 430 | 249 | 172 | 1,330 | 57 | 442 | 32 |
| 2 | 88 | 11 | 206 | 24 | 104 | 60 | 15 | 12 | 79 | 70 | 1 |
| 269 | 309 | 26,123 | 835 | 487 | 947 | 549 | 284 | 212 | 47 | 15 | 204 |
| 2 | 14 | 90 | 2,239 | 620 | 2,893 | 1,678 | 129 | 313 | 371 | 9 | 1,220 |
| 602 | 158 | 156 | 4,369 | 643 | 1,097 | 636 | 699 | 2,046 | 151 | 187 | 115 |
| 3,137 | 828 | 773 | 18,084 | 920 | 1,303 | 843 | 3,308 | 1,241 | 531 | 1,164 | 333 |
| 1,838 | 485 | 453 | 10,597 | 539 | 763 | 494 | 1,938 | 727 | 311 | 682 | 195 |
| 116 | 80 | 36 | 3,242 | 181 | 1,048 | 608 | 44 | 25 | 55 | 968 | 39 |
| 703 | 259 | 275 | 6,078 | 681 | 1,942 | 1,127 | 744 | 399 | 101 | 177 | 44 |
| 211 | 58 | 40 | 1,440 | 60 | 165 | 96 | 247 | 207 | 23 | 59 | 871 |
| 120 | 47 | 42 | 1,177 | 99 | 791 | 458 | 126 | 110 | 78 | 930 | 670 |
| 198 | 32 | 26 | 1,325 | 146 | 332 | 192 | 159 | 451 | 1,917 | 3,336 | 977 |
| 144 | 151 | 231 | 1,908 | 542 | 1,942 | 1,126 | 109 | 100 | 172 | 574 | 386 |
| 563 | 293 | 449 | 3,656 | 1,435 | 5,178 | 3,003 | 395 | 374 | 665 | 578 | 348 |
| 10 | 1 | 7 | 238 | 563 | 1,518 | 880 | 38 | 44 | 5 | 3 | 25 |
| 499 | 252 | 515 | 4,633 | 945 | 2,025 | 1,175 | 262 | 932 | 522 | 1,582 | 268 |
| 162 | 0 | 7 | 1,383 | 4 | 9 | 5 | 166 | 226 | 54 | 63 | 1 |
| 3 | 0 | 10 | 208 | 4 | 105 | 61 | 11 | 17 | 1 | 21 | 12 |
| 27 | 2 | 24 | 287 | 75 | 105 | 61 | 2 | 4 | 33 | 10 | 34 |
| 155 | 154 | 16 | 616 | 254 | 248 | 144 | 173 | 73 | 3 | 64 | 67 |
| - | - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A4.2 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | 3 | 0 | 0 | 7 |
| Mining and quarrying | c2 | - | - | 1 | 133 | - |
| Food, beverages, and tobacco | c3 | 12 | 102 | 9 | 60 | 52 |
| Textiles and textile products | c4 | 1 | 2 | 1 | 11 | 31 |
| Leather, leather products, and footwear | c5 | 4 | 2 | 7 | 11 | 159 |
| Wood and products of wood and cork | c6 | 0 | - | 2 | 3 | 6 |
| Pulp, paper, paper products, printing, and publishing | c7 | 277 | 598 | 71 | 550 | 1,846 |
| Coke, refined petroleum, and nuclear fuel | c8 | 26 | 15 | 44 | 521 | 517 |
| Chemicals and chemical products | c9 | 2 | 45 | 16 | 118 | 406 |
| Rubber and plastics | c10 | 3 | 115 | 30 | 63 | 107 |
| Other nonmetallic minerals | c11 | 0 | 0 | 45 | 12 | 83 |
| Basic metals and fabricated metal | c12 | 16 | 161 | 31 | 51 | 42 |
| Machinery, nec | c13 | 15 | 0 | 0 | 163 | - |
| Electrical and optical equipment | c14 | 270 | 14 | 13 | 234 | 99 |
| Transport equipment | c15 | 38 | 130 | 27 | 234 | 35 |
| Manufacturing, nec; recycling | c16 | 34 | 42 | 9 | 75 | 37 |
| Electricity, gas, and water supply | c17 | 237 | 211 | 47 | 238 | 366 |
| Construction | c18 | 974 | 490 | 1,995 | 740 | 1,683 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 166 | 222 | 24 | 661 | 828 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 497 | 530 | 176 | 951 | 702 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 291 | 310 | 103 | 557 | 412 |
| Hotels and restaurants | c22 | 147 | 56 | 16 | 190 | 4,855 |
| Inland transport | c23 | 124 | 133 | 22 | 350 | 997 |
| Water transport | c24 | 244 | 20 | 5 | 204 | 141 |
| Air transport | c25 | 109 | 166 | 41 | 519 | 2,184 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 34 | 13 | 4 | 55 | 243 |
| Post and telecommunications | c27 | 5,140 | 904 | 68 | 760 | 699 |
| Financial intermediation | c28 | 656 | 3,288 | 632 | 1,572 | 2,459 |
| Real estate activities | c29 | 218 | 79 | 14 | 151 | 17 |
| Renting of M&Eq and other business activities | c30 | 1,631 | 1,501 | 251 | 1,800 | 761 |
| Public administration and defense; compulsory social security | c31 | 1,233 | 254 | 144 | 160 | 15 |
| Education | c32 | 35 | 195 | 0 | 24 | 110 |
| Health and social work | c33 | 8 | 83 | 3 | 36 | 78 |
| Other community, social, and personal services | c34 | 387 | 409 | 65 | 836 | 132 |
| Private households with employed persons | c35 | - | - | - | - | - |

continued on next page

Table A4.2 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|----------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 105 | 1,473 | 23 | - | 52,038 | - | - | 21,112 | (89) | 5,695 | 182,650 |
| - | - | 0 | - | - | - | - | 827 | (3,652) | 42,794 | 118,820 |
| 64 | 2,195 | 100 | - | 121,141 | - | 1,703 | - | 89 | 39,531 | 216,756 |
| 28 | 13 | 59 | - | 10,777 | - | - | 247 | 4,149 | 13,599 | 31,390 |
| 53 | 13 | 59 | - | 4,761 | - | - | 245 | (10,231) | 8,656 | 7,287 |
| 13 | 0 | 28 | - | 541 | - | - | - | (171) | 4,670 | 16,295 |
| 4,011 | 77 | 124 | - | 1,504 | - | - | 33 | 431 | 6,859 | 30,466 |
| 254 | 90 | 80 | - | 14,120 | - | - | - | 1,178 | 16,670 | 74,247 |
| 759 | 1,934 | 537 | - | 8,127 | - | - | - | 1,522 | 16,420 | 55,463 |
| 82 | 35 | 72 | - | 3,433 | - | - | 133 | 1,245 | 15,992 | 31,975 |
| 137 | 45 | 76 | - | 2,296 | - | - | 10 | (427) | 1,137 | 21,536 |
| 78 | 22 | 131 | - | 459 | - | - | 376 | (505) | 13,427 | 49,179 |
| 27 | 7 | 27 | - | 0 | - | - | 4,770 | 36 | 2,375 | 13,071 |
| 311 | 160 | 273 | - | 8,868 | - | - | 3,114 | (3) | 17,919 | 42,398 |
| 38 | 23 | 35 | - | 17,175 | - | - | 4,560 | (0) | 7,773 | 42,917 |
| 233 | 187 | 183 | - | 1,859 | - | - | 1,079 | 247 | 7,262 | 12,210 |
| 146 | 258 | 226 | - | 17,673 | - | 13 | - | (112) | 96 | 56,105 |
| 770 | 63 | 102 | - | - | - | - | 284,478 | 7,005 | 324 | 316,676 |
| 413 | 222 | 92 | - | 23,168 | - | 41 | 743 | (1) | 6 | 44,331 |
| 1,213 | 1,188 | 1,067 | - | 32,752 | - | 418 | 6,743 | 580 | 10 | 111,029 |
| 711 | 696 | 625 | - | 19,229 | - | 245 | 3,951 | 303 | 126 | 65,180 |
| 174 | 24 | 54 | - | 54,315 | - | - | - | - | 3,998 | 72,266 |
| 681 | 280 | 107 | - | 24,692 | - | 46 | 1,391 | 30 | 209 | 49,989 |
| 79 | 69 | 39 | - | 6,486 | - | 15 | 316 | 11 | 601 | 14,839 |
| 196 | 61 | 82 | - | 27,860 | - | 7 | 235 | 4 | 1,769 | 40,327 |
| 68 | 50 | 54 | - | 4,709 | - | 10 | 341 | 6 | 463 | 16,778 |
| 293 | 176 | 418 | - | 26,955 | - | - | - | - | 1,289 | 46,562 |
| 461 | 320 | 332 | - | 20,739 | - | 2,122 | - | - | 333 | 59,771 |
| 85 | 15 | 24 | - | 32,238 | - | - | - | - | 233 | 36,631 |
| 444 | 88 | 273 | - | 1,922 | - | - | 4,134 | - | 3,537 | 37,604 |
| 37 | 18 | 9 | - | 1,868 | - | 58,280 | 41 | - | 479 | 65,838 |
| 1,427 | 27 | 5 | - | 22,162 | - | 29,519 | - | - | 154 | 54,241 |
| 61 | 1,606 | 5 | - | 13,775 | - | 8,475 | - | - | 264 | 25,505 |
| 153 | 94 | 12,014 | - | 23,877 | - | 15 | 910 | 8 | 1,151 | 44,497 |
| - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A4.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 536 | 1 | 4,801 | 196 | 10 | 30 | 6 |
| Mining and quarrying | m2 | 11 | 1,317 | 32 | 5 | 0 | 2 | 5 |
| Food, beverages, and tobacco | m3 | 868 | 23 | 3,606 | 30 | 70 | 10 | 19 |
| Textiles and textile products | m4 | 77 | 20 | 26 | 3,653 | 198 | 17 | 21 |
| Leather, leather products, and footwear | m5 | 6 | 15 | 3 | 314 | 843 | 1 | 3 |
| Wood and products of wood and cork | m6 | 2 | 2 | 2 | 4 | 1 | 130 | 8 |
| Pulp, paper, paper products, printing, and publishing | m7 | 10 | 27 | 132 | 18 | 12 | 11 | 1,182 |
| Coke, refined petroleum, and nuclear fuel | m8 | 643 | 560 | 204 | 167 | 11 | 58 | 196 |
| Chemicals and chemical products | m9 | 1,081 | 561 | 380 | 1,045 | 84 | 297 | 697 |
| Rubber and plastics | m10 | 42 | 13 | 29 | 59 | 73 | 17 | 62 |
| Other nonmetallic minerals | m11 | 8 | 11 | 8 | 29 | 1 | 7 | 7 |
| Basic metals and fabricated metal | m12 | 62 | 63 | 45 | 59 | 10 | 35 | 76 |
| Machinery, nec | m13 | 191 | 966 | 92 | 121 | 18 | 88 | 178 |
| Electrical and optical equipment | m14 | 13 | 101 | 13 | 26 | 3 | 6 | 32 |
| Transport equipment | m15 | 102 | 129 | 94 | 30 | 13 | 15 | 41 |
| Manufacturing, nec; recycling | m16 | 8 | 15 | 12 | 11 | 2 | 2 | 9 |
| Electricity, gas, and water supply | m17 | 6 | 17 | 23 | 8 | 1 | 1 | 10 |
| Construction | m18 | 72 | 53 | 8 | 1 | 0 | 0 | 2 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 5 | 3 | 11 | 13 | 2 | 2 | 5 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 138 | 73 | 344 | 262 | 49 | 41 | 96 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 47 | 14 | 135 | 114 | 14 | 13 | 37 |
| Hotels and restaurants | m22 | 19 | 38 | 68 | 12 | 20 | 7 | 32 |
| Inland transport | m23 | 50 | 44 | 210 | 32 | 8 | 10 | 29 |
| Water transport | m24 | 17 | 10 | 47 | 15 | 3 | 16 | 14 |
| Air transport | m25 | 16 | 86 | 71 | 17 | 4 | 12 | 17 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 10 | 6 | 39 | 9 | 3 | 8 | 11 |
| Post and telecommunications | m27 | 5 | 7 | 11 | 4 | 1 | 2 | 7 |
| Financial intermediation | m28 | 33 | 39 | 20 | 7 | 3 | 3 | 10 |
| Real estate activities | m29 | 1 | 2 | 1 | 1 | 0 | 0 | 1 |
| Renting of M&Eq and other business activities | m30 | 32 | 327 | 39 | 13 | 4 | 4 | 30 |
| Public administration and defense; compulsory social security | m31 | 18 | 32 | 19 | 4 | 1 | 0 | 8 |
| Education | m32 | 2 | 3 | 2 | 1 | 0 | 0 | 3 |
| Health and social work | m33 | 2 | 8 | 4 | 2 | 0 | 0 | 11 |
| Other community, social, and personal services | m34 | 54 | 12 | 36 | 10 | 2 | 2 | 11 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total intermediate consumption | r60 | 29,768 | 29,902 | 133,468 | 18,296 | 4,036 | 9,181 | 19,211 |
| Taxes less subsidies on products | r99 | 2,182 | 1,815 | 2,584 | 439 | 85 | 230 | 402 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 150,701 | 87,103 | 80,704 | 12,656 | 3,167 | 6,884 | 10,852 |
| International transport margins | r64 | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 182,650 | 118,820 | 216,756 | 31,390 | 7,287 | 16,295 | 30,466 |

continued on next page

Table A4.2 Imports Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|----------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| 1 | 121 | 477 | 3 | 3 | 0 | 1 | 0 | 15 | 0 | 35 | 0 | 1 |
| 4,615 | 1,129 | 130 | 627 | 1,503 | 11 | 36 | 6 | 20 | 884 | 2,542 | 8 | 25 |
| 15 | 146 | 50 | 10 | 26 | 4 | 18 | 7 | 8 | 4 | 70 | 6 | 16 |
| 2 | 61 | 54 | 8 | 54 | 2 | 10 | 19 | 118 | 7 | 276 | 83 | 111 |
| 0 | 5 | 4 | 1 | 13 | 1 | 5 | 3 | 21 | 4 | 34 | 1 | 35 |
| 2 | 6 | 5 | 4 | 11 | 2 | 6 | 2 | 22 | 0 | 290 | 1 | 7 |
| 7 | 39 | 20 | 11 | 13 | 2 | 56 | 9 | 22 | 1 | 162 | 69 | 293 |
| 509 | 552 | 206 | 216 | 365 | 8 | 81 | 110 | 65 | 1,921 | 5,349 | 468 | 1,987 |
| 106 | 5,007 | 3,406 | 504 | 1,388 | 74 | 859 | 177 | 335 | 75 | 3,147 | 69 | 182 |
| 11 | 56 | 526 | 10 | 80 | 96 | 177 | 172 | 76 | 3 | 1,607 | 95 | 260 |
| 25 | 31 | 11 | 175 | 30 | 11 | 27 | 15 | 6 | 12 | 1,245 | 2 | 3 |
| 109 | 69 | 54 | 247 | 2,130 | 205 | 272 | 302 | 267 | 24 | 12,987 | 74 | 125 |
| 139 | 101 | 86 | 98 | 252 | 2,961 | 1,289 | 277 | 138 | 123 | 1,296 | 168 | 16 |
| 13 | 68 | 25 | 40 | 511 | 324 | 6,106 | 553 | 116 | 131 | 2,113 | 663 | 74 |
| 89 | 54 | 48 | 30 | 113 | 131 | 169 | 2,196 | 31 | 25 | 714 | 211 | 166 |
| 6 | 20 | 12 | 3 | 12 | 15 | 29 | 12 | 16 | 3 | 96 | 8 | 20 |
| 30 | 20 | 9 | 16 | 128 | 4 | 12 | 8 | 3 | 15 | 47 | 22 | 32 |
| 47 | 8 | 1 | 13 | 14 | 4 | 3 | 1 | 1 | 7 | 57 | 11 | 46 |
| 4 | 8 | 7 | 3 | 8 | 7 | 21 | 8 | 2 | 1 | 31 | 1 | 2 |
| 166 | 181 | 126 | 57 | 169 | 138 | 326 | 142 | 30 | 49 | 735 | 19 | 53 |
| 31 | 63 | 46 | 24 | 59 | 55 | 125 | 61 | 12 | 9 | 229 | 6 | 13 |
| 9 | 28 | 14 | 36 | 50 | 3 | 25 | 22 | 13 | 6 | 524 | 34 | 212 |
| 162 | 42 | 25 | 20 | 48 | 18 | 34 | 18 | 8 | 23 | 146 | 6 | 19 |
| 7 | 17 | 8 | 8 | 15 | 7 | 25 | 9 | 3 | 3 | 55 | 1 | 45 |
| 13 | 14 | 10 | 7 | 20 | 7 | 30 | 15 | 6 | 5 | 127 | 10 | 103 |
| 3 | 9 | 7 | 5 | 10 | 3 | 11 | 9 | 3 | 1 | 38 | 3 | 16 |
| 2 | 6 | 1 | 2 | 5 | 2 | 7 | 3 | 3 | 5 | 40 | 9 | 42 |
| 10 | 12 | 6 | 2 | 6 | 3 | 4 | 9 | 3 | 5 | 66 | 33 | 85 |
| 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 11 | 23 | 62 |
| 126 | 32 | 10 | 38 | 44 | 12 | 34 | 33 | 11 | 31 | 622 | 86 | 170 |
| 25 | 11 | 7 | 4 | 16 | 1 | 1 | 11 | 1 | 4 | 107 | 4 | 8 |
| 1 | 2 | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 1 | 23 | 1 | 10 |
| 1 | 9 | 1 | 2 | 11 | 1 | 5 | 3 | 0 | 3 | 35 | 10 | 13 |
| 19 | 18 | 3 | 4 | 8 | 6 | 17 | 12 | 7 | 4 | 53 | 17 | 37 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47,883 | 34,858 | 24,341 | 13,695 | 32,003 | 9,458 | 29,238 | 21,536 | 7,301 | 40,977 | 193,845 | 13,690 | 34,604 |
| 907 | 674 | 388 | 279 | 620 | 173 | 541 | 546 | 153 | 637 | 3,862 | 551 | 1,340 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 25,457 | 19,930 | 7,246 | 7,561 | 16,556 | 3,441 | 12,619 | 20,836 | 4,756 | 14,491 | 118,968 | 30,091 | 75,085 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 74,247 | 55,463 | 31,975 | 21,536 | 49,179 | 13,071 | 42,398 | 42,917 | 12,210 | 56,105 | 316,676 | 44,331 | 111,029 |

continued on next page

Table A4.2 Imports Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|--|---------------------------|---------------------|--------------------|------------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1 | 548 | 0 | 2 | 9 | 0 |
| Mining and quarrying | m2 | 14 | 2 | 38 | 14 | 32 | 3 |
| Food, beverages, and tobacco | m3 | 9 | 2,006 | 1 | 71 | 63 | 5 |
| Textiles and textile products | m4 | 69 | 20 | 2 | 2 | 1 | 6 |
| Leather, leather products, and footwear | m5 | 20 | 3 | 0 | 1 | 0 | 3 |
| Wood and products of wood and cork | m6 | 4 | 1 | 1 | 0 | 1 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 169 | 12 | 3 | 1 | 3 | 3 |
| Coke, refined petroleum, and nuclear fuel | m8 | 1,138 | 94 | 3,522 | 1,236 | 2,887 | 61 |
| Chemicals and chemical products | m9 | 105 | 33 | 76 | 30 | 56 | 3 |
| Rubber and plastics | m10 | 155 | 13 | 131 | 8 | 71 | 11 |
| Other nonmetallic minerals | m11 | 3 | 1 | 10 | 2 | 5 | 0 |
| Basic metals and fabricated metal | m12 | 73 | 10 | 30 | 11 | 15 | 1 |
| Machinery, nec | m13 | 9 | 2 | 9 | 2 | 11 | 8 |
| Electrical and optical equipment | m14 | 42 | 3 | 128 | 9 | 9 | 10 |
| Transport equipment | m15 | 96 | 68 | 502 | 56 | 688 | 14 |
| Manufacturing, nec; recycling | m16 | 11 | 3 | 5 | 14 | 17 | 0 |
| Electricity, gas, and water supply | m17 | 19 | 8 | 3 | 6 | 3 | 4 |
| Construction | m18 | 26 | 3 | 5 | 6 | 1 | 17 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 2 | 3 | 3 | 1 | 2 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 29 | 86 | 49 | 52 | 43 | 9 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 15 | 37 | 24 | 7 | 14 | 2 |
| Hotels and restaurants | m22 | 211 | 20 | 16 | 11 | 162 | 26 |
| Inland transport | m23 | 27 | 48 | 13 | 5 | 10 | 4 |
| Water transport | m24 | 6 | 7 | 4 | 40 | 7 | 11 |
| Air transport | m25 | 63 | 17 | 13 | 21 | 128 | 65 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 10 | 8 | 17 | 45 | 76 | 36 |
| Post and telecommunications | m27 | 23 | 3 | 3 | 5 | 14 | 8 |
| Financial intermediation | m28 | 48 | 8 | 5 | 15 | 18 | 10 |
| Real estate activities | m29 | 36 | 2 | 2 | 0 | 0 | 1 |
| Renting of M&Eq and other business activities | m30 | 99 | 22 | 39 | 24 | 45 | 16 |
| Public administration and defense; compulsory social security | m31 | 5 | 14 | 17 | 5 | 8 | 1 |
| Education | m32 | 7 | 1 | 2 | 0 | 3 | 1 |
| Health and social work | m33 | 8 | 1 | 1 | 4 | 3 | 4 |
| Other community, social, and personal services | m34 | 44 | 35 | 8 | 2 | 7 | 16 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total intermediate consumption | r60 | 20,315 | 38,665 | 20,909 | 9,830 | 21,260 | 6,503 |
| Taxes less subsidies on products | r99 | 786 | 905 | 602 | 193 | 420 | 173 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - |
| Value added at basic prices | r64 | 44,078 | 32,696 | 28,478 | 4,815 | 18,646 | 10,103 |
| International transport margins | | - | - | - | - | - | - |
| Output at basic prices | r69 | 65,180 | 72,266 | 49,989 | 14,839 | 40,327 | 16,778 |

continued on next page

Table A4.2 Imports Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|---------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 0 | 1 | 0 | 0 | 1 | 9 | 108 | 2 | - | 1,198 | - |
| 1 | 1 | 0 | 29 | 4 | 5 | 3 | 3 | - | 104 | - |
| 2 | 14 | 1 | 9 | 11 | 17 | 279 | 17 | - | 4,080 | - |
| 2 | 6 | 2 | 21 | 59 | 58 | 27 | 120 | - | 639 | - |
| 2 | 0 | 3 | 1 | 59 | 15 | 2 | 6 | - | 627 | - |
| 0 | 1 | 0 | 1 | 2 | 3 | 1 | 2 | - | 19 | - |
| 25 | 66 | 5 | 62 | 325 | 458 | 9 | 17 | - | 341 | - |
| 15 | 34 | 13 | 277 | 289 | 146 | 59 | 59 | - | 7,179 | - |
| 3 | 37 | 9 | 80 | 230 | 568 | 324 | 230 | - | 2,254 | - |
| 2 | 46 | 9 | 31 | 40 | 35 | 14 | 47 | - | 803 | - |
| 0 | 1 | 4 | 9 | 8 | 13 | 5 | 7 | - | 40 | - |
| 8 | 68 | 15 | 30 | 19 | 58 | 13 | 49 | - | 178 | - |
| 29 | 4 | 1 | 273 | 5 | 56 | 16 | 54 | - | 128 | - |
| 381 | 24 | 9 | 313 | 92 | 348 | 203 | 365 | - | 10,158 | - |
| 19 | 49 | 7 | 101 | 67 | 24 | 14 | 23 | - | 1,139 | - |
| 8 | 8 | 1 | 15 | 8 | 42 | 32 | 35 | - | 427 | - |
| 3 | 1 | 0 | 8 | 4 | 5 | 25 | 11 | - | 16 | - |
| 16 | 6 | 17 | 12 | 27 | 12 | 1 | 2 | - | 4 | - |
| 1 | 1 | 0 | 2 | 1 | 2 | 1 | 1 | - | 43 | - |
| 10 | 21 | 5 | 29 | 27 | 41 | 36 | 40 | - | 691 | - |
| 3 | 6 | 3 | 12 | 18 | 7 | 10 | 5 | - | 309 | - |
| 28 | 21 | 51 | 50 | 762 | 31 | 7 | 12 | - | 2,195 | - |
| 3 | 6 | 5 | 13 | 11 | 13 | 11 | 5 | - | 483 | - |
| 5 | 4 | 1 | 7 | 16 | 3 | 2 | 3 | - | 100 | - |
| 14 | 34 | 9 | 61 | 266 | 26 | 8 | 12 | - | 587 | - |
| 3 | 4 | 1 | 7 | 8 | 3 | 2 | 2 | - | 135 | - |
| 123 | 25 | 1 | 18 | 17 | 8 | 4 | 11 | - | 200 | - |
| 12 | 44 | 4 | 26 | 28 | 6 | 10 | 6 | - | 301 | - |
| 9 | 4 | 1 | 6 | 1 | 4 | 1 | 1 | - | 81 | - |
| 132 | 147 | 22 | 168 | 55 | 61 | 8 | 24 | - | 165 | - |
| 89 | 22 | 8 | 14 | 10 | 7 | 10 | 3 | - | 32 | - |
| 4 | 22 | 0 | 3 | 16 | 122 | 2 | 1 | - | 52 | - |
| 2 | 8 | 0 | 5 | 11 | 18 | 180 | 3 | - | 131 | - |
| 19 | 27 | 5 | 87 | 16 | 9 | 3 | 181 | - | 655 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 13,801 | 10,856 | 4,129 | 13,823 | 22,624 | 15,838 | 12,958 | 18,692 | - | 637,010 | - |
| 528 | 720 | 454 | 425 | 832 | 674 | 314 | 498 | - | 7,384 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 32,233 | 48,194 | 32,048 | 23,356 | 42,381 | 37,729 | 12,233 | 25,307 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 46,562 | 59,771 | 36,631 | 37,604 | 65,838 | 54,241 | 25,505 | 44,497 | - | 644,394 | - |

continued on next page

Table A4.2 Imports Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|----------------|------------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1 | 5 | 2 | - | 8,125 |
| Mining and quarrying | m2 | 0 | 37 | 2 | - | 13,199 |
| Food, beverages, and tobacco | m3 | 55 | 14 | (2) | - | 11,658 |
| Textiles and textile products | m4 | 0 | 28 | 1 | - | 5,879 |
| Leather, leather products, and footwear | m5 | 0 | 2 | 2 | - | 2,061 |
| Wood and products of wood and cork | m6 | 0 | 11 | (0) | - | 551 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 11 | 2 | - | 3,608 |
| Coke, refined petroleum, and nuclear fuel | m8 | 1 | 5 | 11 | - | 30,700 |
| Chemicals and chemical products | m9 | 0 | 73 | 34 | - | 23,623 |
| Rubber and plastics | m10 | 0 | 40 | (5) | - | 4,914 |
| Other nonmetallic minerals | m11 | 0 | 19 | 27 | - | 1,819 |
| Basic metals and fabricated metal | m12 | 0 | 435 | 19 | - | 18,248 |
| Machinery, nec | m13 | 0 | 8,054 | 234 | - | 17,490 |
| Electrical and optical equipment | m14 | 0 | 3,719 | 454 | - | 27,202 |
| Transport equipment | m15 | 0 | 3,823 | 44 | - | 11,137 |
| Manufacturing, nec; recycling | m16 | 1 | 280 | 38 | - | 1,256 |
| Electricity, gas, and water supply | m17 | 0 | 11 | 1 | - | 540 |
| Construction | m18 | 0 | 14 | 1 | - | 519 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 30 | 2 | - | 240 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 3 | 552 | 55 | - | 4,972 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 1 | 159 | 3 | - | 1,740 |
| Hotels and restaurants | m22 | 1 | 1 | 2 | - | 4,779 |
| Inland transport | m23 | 2 | 52 | (22) | - | 1,643 |
| Water transport | m24 | 0 | 7 | 217 | - | 766 |
| Air transport | m25 | 1 | 5 | 0 | - | 1,921 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 1 | 7 | 0 | - | 572 |
| Post and telecommunications | m27 | 3 | 6 | 1 | - | 634 |
| Financial intermediation | m28 | 6 | 4 | 0 | - | 911 |
| Real estate activities | m29 | 0 | 1 | 0 | - | 259 |
| Renting of M&Eq and other business activities | m30 | 22 | 625 | 3 | - | 3,375 |
| Public administration and defense; compulsory social security | m31 | 156 | 4 | 1 | - | 687 |
| Education | m32 | 61 | 5 | 0 | - | 359 |
| Health and social work | m33 | 54 | 4 | 0 | - | 555 |
| Other community, social, and personal services | m34 | 15 | 6 | 2 | - | 1,467 |
| Private households with employed persons | m35 | 1 | 0 | 0 | - | 2 |
| Total intermediate consumption | r60 | 101,293 | 357,837 | 2,783 | 235,820 | 2,312,238 |
| Taxes less subsidies on products | r99 | 1,218 | 4,391 | 257 | - | 39,182 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | - | - | - | - | 1,101,402 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 102,511 | 362,228 | 3,041 | 235,820 | 3,452,823 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

APPENDIX 5:
INPUT-OUTPUT TABLES
FOR 2010 AND 2017—LAO
PEOPLE'S DEMOCRATIC REPUBLIC

A5



Table A5.1: Lao People’s Democratic Republic Input–Output Table, 2010 (current prices, \$ million)

| Industry | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing | |
|--|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|---|
| | c1 | c2 | c3 | c4 | c5 | c6 | c7 | |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 101 | 1 | 364 | 1 | 0 | 60 | 2 |
| Mining and quarrying | c2 | 0 | 43 | 1 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | c3 | 18 | 1 | 59 | – | – | 0 | 0 |
| Textiles and textile products | c4 | 2 | 0 | 0 | 29 | 6 | 0 | 0 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 6 | 1 | 0 | 0 |
| Wood and products of wood and cork | c6 | 1 | 0 | 3 | 1 | 0 | 15 | 1 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 4 | 8 | 1 | 0 | 0 | 0 | 0 |
| Chemicals and chemical products | c9 | 2 | 5 | 1 | 0 | 0 | 0 | 0 |
| Rubber and plastics | c10 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | 0 | 1 | 1 | – | – | – | – |
| Basic metals and fabricated metal | c12 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 2 | 36 | 4 | 1 | 0 | 1 | 0 |
| Construction | c18 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 4 | 6 | 11 | 3 | 1 | 1 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 6 | 9 | 15 | 4 | 1 | 2 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 18 | 29 | 49 | 12 | 2 | 5 | 0 |
| Hotels and restaurants | c22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | c23 | 2 | 8 | 8 | 1 | 0 | 1 | 0 |
| Water transport | c24 | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| Air transport | c25 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Post and telecommunications | c27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | c28 | 3 | 14 | 2 | 2 | 0 | 2 | 0 |
| Real estate activities | c29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | c31 | – | 0 | – | – | – | – | – |
| Education | c32 | 0 | 0 | 0 | – | – | – | – |
| Health and social work | c33 | – | – | – | – | – | – | – |
| Other community, social, and personal services | c34 | – | – | – | – | – | – | – |
| Private households with employed persons | c35 | – | – | – | – | – | – | – |

continued on next page

Table A5.1 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 4 | 0 | 0 |
| 1 | 1 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 9 | 22 | - | - |
| 0 | 0 | 0 | 0 | - | - | - | - | 0 | - | - | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 10 | 2 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 110 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 14 | 2 | 4 | 3 |
| - | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 1 |
| 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 14 | 1 | 1 |
| 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 20 | 2 | 2 |
| 2 | 1 | 1 | 4 | 4 | 0 | 0 | 0 | 3 | 6 | 64 | 7 | 6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 2 | 39 | 15 | 12 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 |
| 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 18 | 25 | 21 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 2 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

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Table A5.1 Domestic Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|-----|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 1 | 8 | - | - | - | - |
| Mining and quarrying | c2 | - | - | - | - | - | - |
| Food, beverages, and tobacco | c3 | 0 | 17 | 0 | 0 | 0 | 0 |
| Textiles and textile products | c4 | 1 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | c6 | 5 | 1 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 4 | 0 | 7 | 0 | 0 | 0 |
| Chemicals and chemical products | c9 | 2 | 0 | 4 | 0 | 0 | 0 |
| Rubber and plastics | c10 | 1 | 0 | 2 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | 0 | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | 1 | 0 | 1 | 0 | 0 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 1 | 0 | 1 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 13 | 2 | 0 | 0 | 0 | 0 |
| Construction | c18 | 3 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 5 | 2 | 5 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 7 | 2 | 6 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 23 | 7 | 21 | 1 | 1 | 0 |
| Hotels and restaurants | c22 | 1 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | c23 | 50 | 2 | 10 | 1 | 0 | 0 |
| Water transport | c24 | 10 | 0 | 2 | 0 | 0 | 0 |
| Air transport | c25 | 5 | 0 | 1 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 5 | 0 | 1 | 0 | 0 | 0 |
| Post and telecommunications | c27 | 11 | 0 | 1 | 0 | 0 | 0 |
| Financial intermediation | c28 | 86 | 7 | 10 | 1 | 0 | 0 |
| Real estate activities | c29 | 13 | 1 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 7 | 0 | 1 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | c31 | - | - | - | - | - | - |
| Education | c32 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | - | - | - | - | - | - |
| Other community, social, and personal services | c34 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | c35 | - | - | - | - | - | - |

continued on next page

Table A5.1 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| 0 | - | - | 0 | - | 1 | - | 0 | - | 1,452 | - |
| - | - | - | 0 | - | - | - | 1 | - | 3 | - |
| - | - | - | 0 | - | 0 | 0 | 0 | - | 701 | - |
| 0 | - | - | 0 | 1 | 0 | 0 | 0 | - | 63 | - |
| 0 | - | - | 0 | 0 | 0 | 0 | 0 | - | 12 | - |
| 7 | 2 | - | 0 | 11 | 0 | 0 | 1 | - | 16 | - |
| 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | - | 22 | - |
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | - | 13 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 5 | - |
| 1 | - | 1 | 0 | 1 | - | - | 1 | - | 3 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 12 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | - | 23 | - |
| 1 | 2 | 1 | 0 | 11 | 0 | 0 | 1 | - | 39 | - |
| 0 | 0 | 4 | 0 | 7 | 0 | 0 | 0 | - | 10 | - |
| 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | - | 113 | - |
| 1 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | - | 157 | - |
| 4 | 2 | 1 | 0 | 24 | 1 | 1 | 1 | - | 511 | - |
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | - | 97 | - |
| 3 | 9 | 1 | 3 | 35 | 1 | 0 | 1 | - | 11 | - |
| 1 | 2 | 0 | 1 | 7 | 0 | 0 | 0 | - | 2 | - |
| 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | - | 1 | - |
| 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | - | 1 | - |
| 21 | 4 | - | 1 | 21 | 1 | 0 | 1 | - | 122 | - |
| 2 | 240 | 2 | 1 | 37 | 1 | 0 | 2 | - | 176 | - |
| 0 | 4 | 1 | 0 | 3 | 1 | 0 | 0 | - | 144 | - |
| 1 | 3 | 0 | 1 | 6 | 0 | 0 | 0 | - | 11 | - |
| - | - | - | 0 | 2 | 0 | - | 0 | - | 1 | - |
| 0 | 0 | - | 0 | 0 | 0 | - | 0 | - | 3 | - |
| - | - | - | - | - | - | - | - | - | 2 | - |
| 0 | 0 | - | 0 | 1 | 0 | - | 0 | - | 66 | - |
| - | - | - | - | - | - | - | - | - | 43 | - |

continued on next page

Table A5.1 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|--------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | - | - | 102 | 2,115 |
| Mining and quarrying | c2 | - | - | - | 807 | 906 |
| Food, beverages, and tobacco | c3 | - | - | - | 66 | 864 |
| Textiles and textile products | c4 | - | - | - | 64 | 168 |
| Leather, leather products, and footwear | c5 | - | - | - | 13 | 33 |
| Wood and products of wood and cork | c6 | - | - | - | 94 | 182 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | - | - | 3 | 7 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | - | - | 3 | 67 |
| Chemicals and chemical products | c9 | - | - | - | 1 | 40 |
| Rubber and plastics | c10 | - | - | - | 1 | 16 |
| Other nonmetallic minerals | c11 | - | - | - | 1 | 132 |
| Basic metals and fabricated metal | c12 | - | 40 | - | 0 | 63 |
| Machinery, nec | c13 | - | 0 | - | 0 | 0 |
| Electrical and optical equipment | c14 | - | 5 | - | 9 | 16 |
| Transport equipment | c15 | - | 2 | - | 0 | 3 |
| Manufacturing, nec; recycling | c16 | - | 49 | - | 3 | 81 |
| Electricity, gas, and water supply | c17 | - | - | - | 175 | 317 |
| Construction | c18 | - | 987 | - | 3 | 1,029 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | 63 | - | 17 | 260 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | - | 88 | - | 23 | 361 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | 286 | - | 76 | 1,172 |
| Hotels and restaurants | c22 | - | - | - | 1 | 103 |
| Inland transport | c23 | - | - | - | 34 | 258 |
| Water transport | c24 | - | - | - | 7 | 51 |
| Air transport | c25 | - | - | - | 4 | 27 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | - | - | 3 | 25 |
| Post and telecommunications | c27 | - | - | - | 22 | 214 |
| Financial intermediation | c28 | 44 | - | - | 3 | 711 |
| Real estate activities | c29 | - | - | - | 1 | 176 |
| Renting of M&Eq and other business activities | c30 | - | - | - | 0 | 39 |
| Public administration and defense; compulsory social security | c31 | 732 | - | - | 13 | 748 |
| Education | c32 | 49 | - | - | 0 | 52 |
| Health and social work | c33 | 15 | - | - | 0 | 18 |
| Other community, social, and personal services | c34 | - | - | - | 0 | 68 |
| Private households with employed persons | c35 | - | - | - | - | 43 |

continued on next page

Table A5.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1 | 0 | 8 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 5 | 0 | 15 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 1 | 0 | 0 | 9 | 2 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 1 | 0 | 0 | 4 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 55 | 78 | 15 | 6 | 1 | 5 | 0 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 6 | 37 | 22 | 1 | 0 | 2 | 0 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 1 | 4 | 3 | 0 | 0 | 0 | 0 |
| Transport equipment | m15 | 0 | 2 | 1 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | – | 0 | – |
| Total intermediate consumption | r60 | 238 | 298 | 592 | 80 | 16 | 105 | 4 |
| Taxes less subsidies on products | r99 | 45 | 19 | 18 | 4 | 1 | 4 | 0 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 1,832 | 589 | 253 | 84 | 16 | 73 | 3 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 2,115 | 906 | 864 | 168 | 33 | 182 | 7 |

continued on next page

Table A5.1 Import Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 14 | 7 | 4 | 9 | 3 | 0 | 1 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 1 | 0 | 0 | 3 | 20 | 0 | 4 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | – | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | – | – | – | 0 | 0 | – |
| Total intermediate consumption | r60 | 34 | 17 | 11 | 65 | 37 | 0 | 12 |
| Taxes less subsidies on products | r99 | 1 | 1 | 0 | 3 | 1 | 0 | 0 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 32 | 22 | 5 | 63 | 25 | 0 | 4 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 67 | 40 | 16 | 132 | 63 | 0 | 16 |

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Table A5.1 Import Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | – | – | – | 0 | – |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 1 | 1 | 0 | 0 | 2 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 2 | 10 | 0 | 1 | 29 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 1 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 5 | 3 | 1 | 1 | 12 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 1 | 0 | 0 | 0 | 1 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 1 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 1 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 1 | 0 | 0 | 11 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 2 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 1 | 0 | 0 | 2 |
| Water transport | m24 | 0 | 0 | 0 | 0 | 2 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 1 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 1 | 0 | 0 | 0 | 1 |
| Financial intermediation | m28 | 0 | 11 | 0 | 0 | 1 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 0 | 0 | – | 0 |
| Total intermediate consumption | r60 | 59 | 302 | 15 | 10 | 263 |
| Taxes less subsidies on products | r99 | 5 | 15 | 4 | 1 | 16 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | 150 | 394 | 157 | 28 | 470 |
| International transport margins | | – | – | – | – | – |
| Output at basic prices | r69 | 214 | 711 | 176 | 39 | 748 |

continued on next page

Table A5.1 Import Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|--------------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 0 | 0 | 0 | - | 6 | - | 0 | 0 | 0 | - | 16 |
| - | - | 0 | - | 0 | - | - | - | - | - | 1 |
| 0 | 0 | 0 | - | 26 | - | 0 | 0 | 0 | - | 50 |
| 0 | 0 | 0 | - | 5 | - | 0 | 0 | 0 | - | 18 |
| 0 | 0 | 0 | - | 1 | - | - | 0 | - | - | 4 |
| 0 | 0 | 0 | - | 1 | - | 0 | 0 | 0 | - | 18 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 1 |
| 1 | 3 | 3 | - | 66 | - | 0 | 0 | 0 | - | 558 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 2 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 82 |
| 0 | 0 | 1 | - | 106 | - | 0 | 158 | 0 | - | 621 |
| 0 | 0 | 0 | - | 2 | - | 0 | 4 | 0 | - | 9 |
| 0 | 0 | 0 | - | 11 | - | 0 | 17 | 0 | - | 69 |
| 0 | 0 | 0 | - | 8 | - | 0 | 12 | 0 | - | 39 |
| 0 | 0 | 0 | - | 4 | - | 0 | 3 | 0 | - | 10 |
| 0 | 0 | 0 | 0 | 1 | - | 0 | 0 | 0 | - | 13 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 4 | 0 | - | 6 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 8 | - | 0 | 1 | 0 | - | 47 |
| 0 | 0 | 0 | 0 | 1 | - | 0 | 0 | 0 | - | 7 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 12 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | (0) | - | 9 |
| 0 | 0 | 0 | - | 3 | - | - | 0 | 0 | - | 8 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 2 |
| 0 | 0 | 0 | 0 | 2 | - | 0 | 0 | 0 | - | 6 |
| 0 | 0 | 0 | 0 | 3 | - | 0 | 1 | 0 | - | 26 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 1 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | - | - | 0 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 3 | - | 0 | 0 | 0 | - | 3 |
| 0 | - | - | - | 0 | - | 0 | 0 | 0 | - | 0 |
| 10 | 6 | 17 | 0 | 4,096 | - | 840 | 1,721 | 0 | 1,548 | 12,003 |
| 1 | 0 | 2 | - | 89 | - | 18 | 37 | - | - | 363 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 41 | 12 | 49 | 43 | - | - | - | - | - | - | 6,347 |
| - | - | - | - | - | - | - | - | - | - | - |
| 52 | 18 | 68 | 43 | 4,185 | - | 858 | 1,758 | 0 | 1,548 | 18,713 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A5.2: Lao People’s Democratic Republic Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 110 | 1 | 471 | 2 | 0 | 78 | 2 |
| Mining and quarrying | c2 | 0 | 407 | 9 | 1 | 0 | 1 | 0 |
| Food, beverages, and tobacco | c3 | 22 | 1 | 85 | – | – | 0 | 0 |
| Textiles and textile products | c4 | 1 | 0 | 0 | 19 | 4 | 0 | 0 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 4 | 1 | 0 | 0 |
| Wood and products of wood and cork | c6 | 1 | 0 | 3 | 1 | 0 | 14 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 8 | 14 | 2 | 1 | 0 | 1 | 0 |
| Chemicals and chemical products | c9 | 4 | 7 | 1 | 1 | 0 | 1 | 0 |
| Rubber and plastics | c10 | 2 | 3 | 1 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | c11 | 0 | 2 | 2 | – | – | – | – |
| Basic metals and fabricated metal | c12 | 1 | 11 | 6 | 0 | 0 | 1 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | c14 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Transport equipment | c15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 2 | 5 | 2 | 2 | 0 | 0 | 0 |
| Electricity, gas, and water supply | c17 | 2 | 36 | 6 | 1 | 0 | 1 | 0 |
| Construction | c18 | 9 | 58 | 0 | 2 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 9 | 14 | 30 | 7 | 1 | 3 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 13 | 19 | 42 | 9 | 2 | 5 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 43 | 62 | 137 | 30 | 6 | 15 | 0 |
| Hotels and restaurants | c22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | c23 | 2 | 9 | 10 | 2 | 0 | 2 | 0 |
| Water transport | c24 | 1 | 2 | 3 | 0 | 0 | 0 | 0 |
| Air transport | c25 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Post and telecommunications | c27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | c28 | 2 | 12 | 2 | 2 | 0 | 3 | 0 |
| Real estate activities | c29 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 2 | 3 | 8 | 1 | 0 | 1 | 0 |
| Public administration and defense; compulsory social security | c31 | – | 0 | – | – | – | – | – |
| Education | c32 | 0 | 0 | 0 | – | – | – | – |
| Health and social work | c33 | – | – | – | – | – | – | – |
| Other community, social, and personal services | c34 | – | – | – | – | – | – | – |
| Private households with employed persons | c35 | – | – | – | – | – | – | – |

continued on next page

Table A5.2 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 4 | 0 | 0 |
| 9 | 3 | 2 | 58 | 3 | 0 | 0 | 0 | 1 | 118 | 228 | - | - |
| 0 | 0 | 0 | 0 | - | - | - | - | 0 | - | - | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 8 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 |
| 0 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 1 | 0 | 167 | 0 | 0 |
| 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 4 | 36 | 2 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 4 | 1 | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 18 | 2 | 3 | 2 |
| - | - | - | - | 0 | 0 | 0 | 0 | 0 | 25 | 819 | 22 | 19 |
| 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 4 | 33 | 2 | 2 |
| 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 5 | 45 | 3 | 3 |
| 4 | 2 | 1 | 3 | 7 | 0 | 0 | 0 | 8 | 16 | 147 | 10 | 9 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 3 | 43 | 10 | 9 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 3 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 16 | 14 | 12 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 11 |
| 3 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 19 | 9 | 8 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

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Table A5.2 Domestic Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|-----|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 1 | 50 | - | - | - | - |
| Mining and quarrying | c2 | - | - | - | - | - | - |
| Food, beverages, and tobacco | c3 | 0 | 115 | 0 | - | 0 | 0 |
| Textiles and textile products | c4 | 0 | 1 | 0 | - | 0 | 0 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | - | 0 | 0 |
| Wood and products of wood and cork | c6 | 3 | 3 | 0 | - | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 0 | 0 | - | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | c8 | 5 | 5 | 8 | - | 0 | 0 |
| Chemicals and chemical products | c9 | 3 | 2 | 5 | - | 0 | 0 |
| Rubber and plastics | c10 | 1 | 1 | 2 | - | 0 | 0 |
| Other nonmetallic minerals | c11 | 0 | 1 | 0 | - | 0 | 0 |
| Basic metals and fabricated metal | c12 | 8 | 1 | 3 | - | 0 | 0 |
| Machinery, nec | c13 | 0 | 0 | 0 | - | 0 | 0 |
| Electrical and optical equipment | c14 | 1 | 0 | 0 | - | 0 | 0 |
| Transport equipment | c15 | 0 | 0 | 0 | - | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 5 | 3 | 4 | - | 0 | 0 |
| Electricity, gas, and water supply | c17 | 10 | 13 | 0 | - | 0 | 0 |
| Construction | c18 | 81 | 34 | 1 | - | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 8 | 21 | 7 | - | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 11 | 29 | 9 | - | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 36 | 95 | 30 | - | 0 | 0 |
| Hotels and restaurants | c22 | 4 | 3 | 0 | - | 0 | 0 |
| Inland transport | c23 | 38 | 10 | 7 | - | 0 | 0 |
| Water transport | c24 | 10 | 3 | 2 | - | 0 | 0 |
| Air transport | c25 | 5 | 1 | 1 | - | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 4 | 1 | 1 | - | 0 | 0 |
| Post and telecommunications | c27 | 8 | 3 | 0 | - | 0 | 0 |
| Financial intermediation | c28 | 51 | 34 | 5 | - | 0 | 0 |
| Real estate activities | c29 | 46 | 16 | 1 | - | 0 | 0 |
| Renting of M&Eq and other business activities | c30 | 32 | 11 | 4 | - | 0 | 0 |
| Public administration and defense; compulsory social security | c31 | - | - | - | - | - | - |
| Education | c32 | 0 | 0 | 0 | - | 0 | 0 |
| Health and social work | c33 | - | - | - | - | - | - |
| Other community, social, and personal services | c34 | 0 | 2 | 0 | - | 0 | 0 |
| Private households with employed persons | c35 | - | - | - | - | - | - |

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Table A5.2 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| 0 | - | - | 0 | - | 2 | - | 0 | - | 1,714 | - |
| - | - | - | 0 | - | - | - | 14 | - | 124 | - |
| - | - | - | 0 | - | 0 | 0 | 0 | - | 906 | - |
| 0 | - | - | 0 | 0 | 0 | 0 | 0 | - | 38 | - |
| 0 | - | - | 0 | 0 | 0 | 0 | 0 | - | 8 | - |
| 5 | 1 | - | 1 | 9 | 1 | 0 | 2 | - | 18 | - |
| 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 0 | 1 | 0 | 0 | 6 | 1 | 3 | 1 | - | 27 | - |
| 0 | 0 | 0 | 0 | 4 | 0 | 1 | 1 | - | 14 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | - | 6 | - |
| 2 | - | 1 | 1 | 2 | - | - | 3 | - | 40 | - |
| 2 | 0 | 0 | 1 | 5 | 0 | 0 | 1 | - | 25 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 2 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 0 | 2 | 0 | 1 | 6 | 1 | 3 | 1 | - | 41 | - |
| 1 | 1 | 0 | 0 | 13 | 2 | 1 | 4 | - | 44 | - |
| 6 | 1 | 81 | 5 | 320 | 43 | 9 | 13 | - | 151 | - |
| 2 | 1 | 0 | 1 | 13 | 1 | 1 | 2 | - | 122 | - |
| 2 | 1 | 0 | 1 | 18 | 1 | 2 | 2 | - | 169 | - |
| 7 | 2 | 1 | 4 | 59 | 5 | 6 | 7 | - | 555 | - |
| 0 | 2 | 0 | 9 | 18 | 2 | 0 | 1 | - | 942 | - |
| 3 | 6 | 1 | 13 | 42 | 5 | 1 | 3 | - | 54 | - |
| 1 | 1 | 0 | 4 | 11 | 1 | 0 | 1 | - | 12 | - |
| 0 | 1 | 0 | 2 | 6 | 1 | 0 | 0 | - | 7 | - |
| 0 | 1 | 0 | 1 | 5 | 1 | 0 | 0 | - | 5 | - |
| 20 | 3 | - | 3 | 24 | 3 | 0 | 3 | - | 145 | - |
| 2 | 112 | 1 | 5 | 35 | 4 | 0 | 3 | - | 281 | - |
| 1 | 12 | 4 | 3 | 14 | 15 | 0 | 5 | - | 1,077 | - |
| 4 | 10 | 2 | 17 | 44 | 6 | 1 | 3 | - | 131 | - |
| - | - | - | 0 | 45 | 1 | - | 0 | - | 386 | - |
| 0 | 0 | - | 0 | 3 | 2 | - | 0 | - | 255 | - |
| - | - | - | - | - | - | - | - | - | 98 | - |
| 0 | 0 | - | 0 | 5 | 0 | - | 1 | - | 341 | - |
| - | - | - | - | - | - | - | - | - | 1 | - |

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Table A5.2 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|--------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | - | 0 | 581 | 3,038 |
| Mining and quarrying | c2 | - | - | 0 | 1,890 | 2,869 |
| Food, beverages, and tobacco | c3 | - | - | 0 | 314 | 1,445 |
| Textiles and textile products | c4 | - | - | 0 | 203 | 269 |
| Leather, leather products, and footwear | c5 | - | - | 0 | 38 | 53 |
| Wood and products of wood and cork | c6 | - | - | 0 | 200 | 277 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | - | 0 | 7 | 10 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | - | (0) | 8 | 112 |
| Chemicals and chemical products | c9 | - | - | 0 | 8 | 66 |
| Rubber and plastics | c10 | - | - | 0 | 4 | 26 |
| Other nonmetallic minerals | c11 | - | - | 0 | 5 | 237 |
| Basic metals and fabricated metal | c12 | - | 10 | (0) | 7 | 134 |
| Machinery, nec | c13 | - | 0 | (0) | 0 | 1 |
| Electrical and optical equipment | c14 | - | 1 | (0) | 0 | 12 |
| Transport equipment | c15 | - | 0 | (0) | 0 | 5 |
| Manufacturing, nec; recycling | c16 | - | 11 | (0) | 25 | 135 |
| Electricity, gas, and water supply | c17 | - | - | 0 | 1,663 | 1,826 |
| Construction | c18 | - | 1,863 | (2) | 265 | 3,828 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | 9 | (0) | 70 | 367 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | - | 12 | (0) | 96 | 507 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | 39 | (0) | 296 | 1,643 |
| Hotels and restaurants | c22 | - | - | 0 | 33 | 1,020 |
| Inland transport | c23 | - | - | 0 | 113 | 390 |
| Water transport | c24 | - | - | (1) | 12 | 83 |
| Air transport | c25 | - | - | (0) | 7 | 45 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | - | (0) | 12 | 41 |
| Post and telecommunications | c27 | - | - | 0 | 93 | 312 |
| Financial intermediation | c28 | 3 | - | 0 | 23 | 631 |
| Real estate activities | c29 | - | - | 0 | 1 | 1,225 |
| Renting of M&Eq and other business activities | c30 | - | - | 0 | 4 | 324 |
| Public administration and defense; compulsory social security | c31 | 1,896 | - | 0 | 94 | 2,423 |
| Education | c32 | 186 | - | 0 | 28 | 475 |
| Health and social work | c33 | 37 | - | 0 | 13 | 148 |
| Other community, social, and personal services | c34 | - | - | 0 | 20 | 370 |
| Private households with employed persons | c35 | - | - | 0 | 13 | 14 |

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Table A5.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 2 | 0 | 21 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 5 | 0 | 36 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 1 | 0 | 0 | 19 | 3 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 2 | 0 | 0 | 6 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 53 | 114 | 28 | 9 | 1 | 7 | 0 |
| Chemicals and chemical products | m9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 6 | 55 | 47 | 1 | 0 | 2 | 0 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 1 | 6 | 5 | 0 | 0 | 0 | 0 |
| Transport equipment | m15 | 0 | 3 | 2 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 1 | 0 | 3 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 2 | 4 | 2 | 1 | 0 | 1 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 0 | 0 | 0 | - | 0 | - |
| Total intermediate consumption | r60 | 312 | 860 | 978 | 120 | 23 | 145 | 5 |
| Taxes less subsidies on products | r99 | 36 | 105 | 35 | 13 | 3 | 18 | 1 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 2,690 | 1,904 | 432 | 136 | 27 | 113 | 4 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 3,038 | 2,869 | 1,445 | 269 | 53 | 277 | 10 |

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Table A5.2 Imports Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 22 | 7 | 5 | 13 | 5 | 0 | 0 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 1 | 0 | 0 | 5 | 36 | 0 | 1 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial intermediation | m28 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | – | – | – | 0 | 0 | – |
| Total intermediate consumption | r60 | 54 | 20 | 15 | 107 | 70 | 0 | 2 |
| Taxes less subsidies on products | r99 | 4 | 8 | 3 | 13 | 9 | 0 | 4 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 54 | 37 | 8 | 116 | 54 | 0 | 6 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 112 | 66 | 26 | 237 | 134 | 1 | 12 |

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Table A5.2 Imports Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 0 | 0 | 0 | 0 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 2 | 0 | 0 | 0 | 4 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | 0 | 0 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 2 | 3 | 1 | 2 | 48 |
| Chemicals and chemical products | m9 | 0 | 0 | 0 | 0 | 0 |
| Rubber and plastics | m10 | 0 | 0 | 0 | 0 | 0 |
| Other nonmetallic minerals | m11 | 1 | 0 | 1 | 0 | 1 |
| Basic metals and fabricated metal | m12 | 6 | 1 | 2 | 3 | 19 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 1 | 0 | 0 | 0 | 2 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 1 |
| Manufacturing, nec; recycling | m16 | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 1 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 0 | 1 | 0 | 10 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 1 | 3 |
| Water transport | m24 | 1 | 0 | 0 | 0 | 4 |
| Air transport | m25 | 0 | 0 | 0 | 0 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 0 | 1 |
| Post and telecommunications | m27 | 2 | 0 | 0 | 0 | 2 |
| Financial intermediation | m28 | 1 | 10 | 1 | 1 | 5 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | 0 | 0 | 0 | 0 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 0 | 0 | – | 0 |
| Total intermediate consumption | r60 | 79 | 173 | 100 | 83 | 814 |
| Taxes less subsidies on products | r99 | 13 | 6 | 3 | 6 | 46 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | 220 | 453 | 1,122 | 236 | 1,563 |
| International transport margins | | – | – | – | – | – |
| Output at basic prices | r69 | 312 | 631 | 1,225 | 324 | 2,423 |

continued on next page

Table A5.2 Imports Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|--------------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 0 | 0 | 0 | - | 69 | - | - | 0 | (0) | - | 93 |
| 0 | 0 | 0 | - | 0 | - | - | - | (0) | - | 3 |
| 0 | 0 | 0 | - | 267 | - | - | 0 | 0 | - | 326 |
| 0 | 0 | 1 | - | 62 | - | - | 0 | 2 | - | 91 |
| 0 | 0 | 0 | - | 10 | - | - | 0 | 0 | - | 14 |
| 0 | 0 | 1 | - | 9 | - | - | 0 | 0 | - | 41 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | - | 2 |
| 4 | 12 | 15 | - | 595 | - | - | 0 | 0 | - | 1,383 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | - | 3 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | - | 0 |
| 0 | 0 | 2 | - | 4 | - | - | 0 | 0 | - | 208 |
| 1 | 1 | 4 | - | 881 | - | - | 3 | 0 | - | 1,526 |
| 0 | 0 | 0 | - | 4 | - | - | 39 | 0 | - | 48 |
| 0 | 0 | 1 | - | 79 | - | - | 1,004 | 0 | - | 1,148 |
| 0 | 0 | 0 | - | 51 | - | - | 588 | 0 | - | 675 |
| 0 | 0 | 0 | - | 25 | - | - | 263 | 0 | - | 295 |
| 0 | 0 | 0 | - | 7 | - | 0 | 0 | 0 | - | 22 |
| 0 | 0 | 0 | - | 1 | - | 0 | 82 | 0 | - | 85 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 31 | - | 0 | 1 | 0 | - | 73 |
| 0 | 0 | 0 | - | 6 | - | 0 | 0 | 0 | - | 8 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 0 |
| 1 | 0 | 0 | - | 2 | - | 0 | 0 | 0 | - | 21 |
| 0 | 0 | 0 | - | 2 | - | - | 0 | 0 | - | 26 |
| 0 | 0 | 0 | - | 4 | - | 0 | 0 | 0 | - | 11 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 3 |
| 1 | 0 | 0 | - | 12 | - | 0 | 1 | 0 | - | 30 |
| 1 | 0 | 1 | - | 34 | - | - | 3 | 0 | - | 103 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 1 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 3 |
| 0 | 0 | 0 | - | 0 | - | - | 0 | 0 | - | 1 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 35 | - | 0 | 0 | 0 | - | 35 |
| 0 | - | - | - | 0 | - | - | 0 | 0 | - | 0 |
| 108 | 44 | 98 | - | 9,932 | - | 2,123 | 3,929 | (0) | 6,146 | 30,638 |
| 4 | 5 | 10 | - | 1,008 | - | - | 343 | 0 | - | 2,152 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 363 | 99 | 263 | 14 | - | - | - | - | - | - | 15,049 |
| - | - | - | - | - | - | - | - | - | - | - |
| 475 | 148 | 370 | 14 | 10,940 | - | 2,123 | 4,272 | (0) | 6,146 | 47,839 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

A6

APPENDIX 6: INPUT-OUTPUT TABLES FOR 2010 AND 2017—MALAYSIA

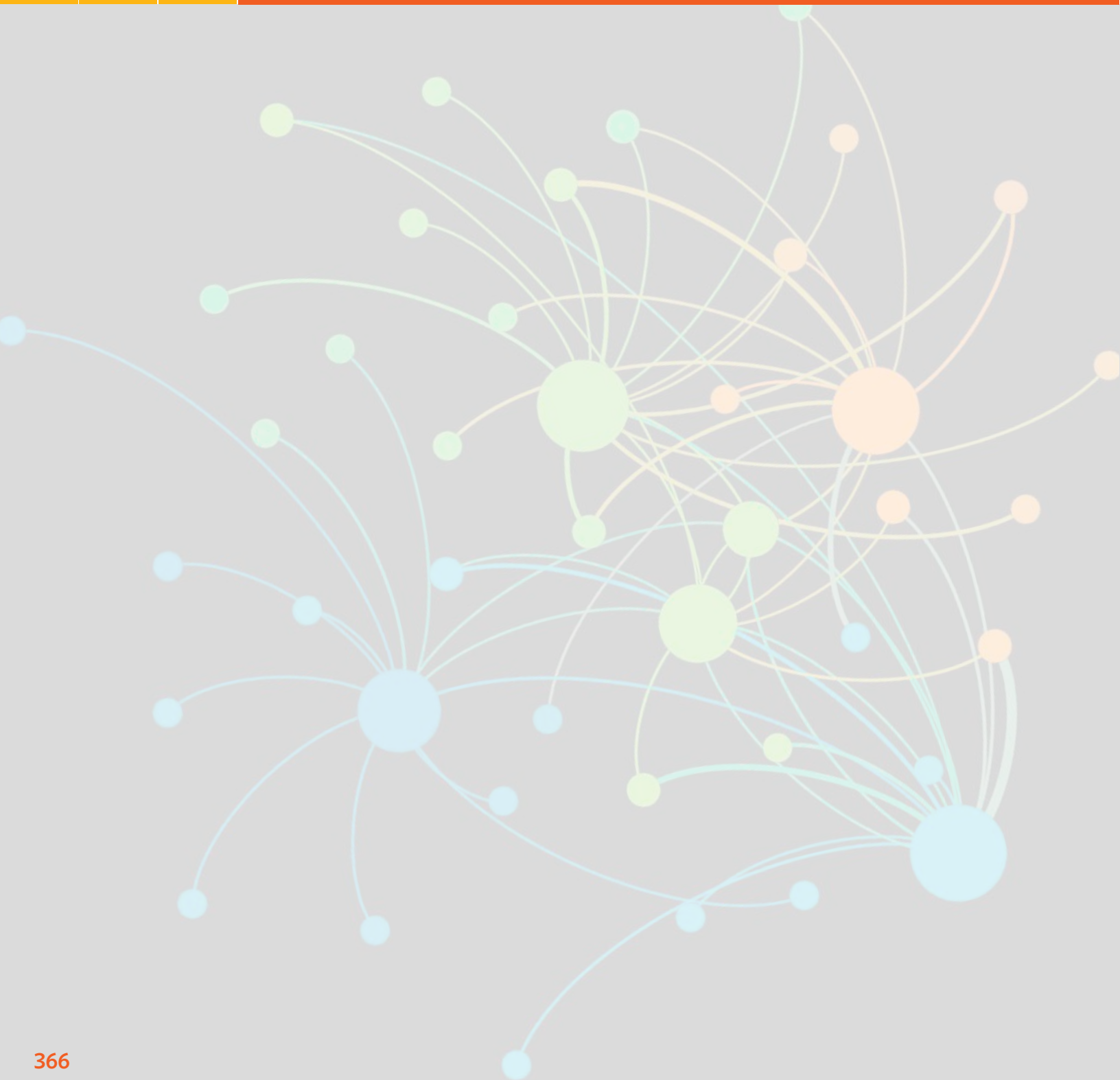


Table A6.1: Malaysia Input–Output Table, 2010 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 2,493 | 1 | 20,088 | 69 | 11 | 3,054 | 436 |
| Mining and quarrying | c2 | 13 | 277 | 287 | 1 | 0 | 1 | 7 |
| Food, beverages, and tobacco | c3 | 1,598 | 17 | 17,478 | 9 | 6 | 11 | 6 |
| Textiles and textile products | c4 | 1 | 2 | 12 | 424 | 9 | 3 | 63 |
| Leather, leather products, and footwear | c5 | 1 | 0 | 1 | 0 | 8 | 6 | 3 |
| Wood and products of wood and cork | c6 | 78 | 2 | 2 | 1 | 0 | 1,117 | 369 |
| Pulp, paper, paper products, printing, and publishing | c7 | 1 | 2 | 113 | 6 | 0 | 32 | 652 |
| Coke, refined petroleum, and nuclear fuel | c8 | 1,685 | 965 | 331 | 12 | 0 | 80 | 38 |
| Chemicals and chemical products | c9 | 2,262 | 431 | 383 | 248 | 8 | 289 | 249 |
| Rubber and plastics | c10 | 468 | 145 | 1,933 | 56 | 9 | 204 | 168 |
| Other nonmetallic minerals | c11 | 93 | 22 | 170 | 2 | 1 | 35 | 31 |
| Basic metals and fabricated metal | c12 | 106 | 348 | 687 | 28 | 2 | 83 | 157 |
| Machinery, nec | c13 | 19 | 68 | 1 | 10 | 0 | 41 | 1 |
| Electrical and optical equipment | c14 | 14 | 34 | 15 | 4 | 0 | 4 | 6 |
| Transport equipment | c15 | 260 | 180 | 8 | 23 | 1 | 93 | 5 |
| Manufacturing, nec; recycling | c16 | 15 | 15 | 90 | 53 | 1 | 9 | 13 |
| Electricity, gas, and water supply | c17 | 241 | 31 | 486 | 85 | 4 | 165 | 91 |
| Construction | c18 | 284 | 250 | 217 | 6 | 1 | 41 | 23 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 150 | 45 | 643 | 16 | 1 | 78 | 39 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 486 | 145 | 2,085 | 51 | 4 | 254 | 126 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 452 | 135 | 1,939 | 47 | 3 | 236 | 117 |
| Hotels and restaurants | c22 | 77 | 3 | 15 | 2 | 0 | 7 | 6 |
| Inland transport | c23 | 403 | 58 | 334 | 10 | 4 | 85 | 33 |
| Water transport | c24 | 1 | 46 | 0 | 0 | 0 | 1 | 0 |
| Air transport | c25 | 53 | 117 | 18 | 1 | 1 | 22 | 4 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 1 | 256 | 465 | 66 | 3 | 360 | 89 |
| Post and telecommunications | c27 | 39 | 46 | 90 | 9 | 1 | 18 | 24 |
| Financial intermediation | c28 | 1,670 | 357 | 1,156 | 59 | 7 | 228 | 108 |
| Real estate activities | c29 | 16 | – | 37 | 7 | 2 | 18 | 11 |
| Renting of M&Eq and other business activities | c30 | 244 | 179 | 216 | 27 | 2 | 126 | 54 |
| Public administration and defense; compulsory social security | c31 | 253 | 50 | 204 | 16 | 3 | 51 | 27 |
| Education | c32 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 2 | 2 | 2 | 0 | 0 | 1 | 1 |
| Private households with employed persons | c35 | 29 | 0 | 27 | 0 | 0 | 0 | 8 |

continued on next page

Table A6.1 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 3 | 86 | 3,698 | 10 | 19 | 10 | 46 |
| Mining and quarrying | c2 | 18,639 | 787 | 32 | 1,168 | 317 | 22 | 9 |
| Food, beverages, and tobacco | c3 | 32 | 1,674 | 239 | 15 | 24 | 4 | 22 |
| Textiles and textile products | c4 | 1 | 13 | 196 | 7 | 11 | 4 | 28 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 17 | 1 | 1 | 0 | 1 |
| Wood and products of wood and cork | c6 | 0 | 137 | 18 | 17 | 20 | 58 | 70 |
| Pulp, paper, paper products, printing, and publishing | c7 | 2 | 67 | 91 | 59 | 33 | 7 | 59 |
| Coke, refined petroleum, and nuclear fuel | c8 | 6,950 | 2,144 | 222 | 1,311 | 364 | 19 | 66 |
| Chemicals and chemical products | c9 | 280 | 7,621 | 5,506 | 395 | 512 | 74 | 510 |
| Rubber and plastics | c10 | 353 | 770 | 11,177 | 43 | 140 | 122 | 1,019 |
| Other nonmetallic minerals | c11 | 1 | 228 | 120 | 2,094 | 1,168 | 49 | 939 |
| Basic metals and fabricated metal | c12 | 28 | 382 | 567 | 736 | 9,433 | 604 | 1,685 |
| Machinery, nec | c13 | 0 | 1 | 23 | 13 | 103 | 139 | 147 |
| Electrical and optical equipment | c14 | 2 | 139 | 92 | 11 | 159 | 762 | 7,912 |
| Transport equipment | c15 | 1 | 10 | 39 | 36 | 275 | 521 | 2,317 |
| Manufacturing, nec; recycling | c16 | 5 | 39 | 36 | 18 | 22 | 6 | 73 |
| Electricity, gas, and water supply | c17 | 85 | 661 | 1,548 | 735 | 791 | 54 | 316 |
| Construction | c18 | 35 | 81 | 120 | 90 | 70 | 32 | 432 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 131 | 229 | 370 | 84 | 176 | 36 | 214 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 424 | 742 | 1,200 | 274 | 572 | 115 | 695 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 395 | 690 | 1,116 | 255 | 532 | 107 | 647 |
| Hotels and restaurants | c22 | 1 | 15 | 29 | 11 | 37 | 4 | 16 |
| Inland transport | c23 | 75 | 161 | 275 | 101 | 171 | 34 | 162 |
| Water transport | c24 | 50 | 1 | 0 | 0 | 0 | 0 | 2 |
| Air transport | c25 | 7 | 21 | 39 | 17 | 18 | 8 | 28 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 78 | 368 | 86 | 397 | 314 | 36 | 253 |
| Post and telecommunications | c27 | 19 | 101 | 97 | 41 | 148 | 95 | 356 |
| Financial intermediation | c28 | 306 | 518 | 333 | 226 | 591 | 99 | 714 |
| Real estate activities | c29 | 2 | 35 | 40 | 25 | 38 | 6 | 42 |
| Renting of M&Eq and other business activities | c30 | 54 | 190 | 289 | 140 | 219 | 68 | 436 |
| Public administration and defense; compulsory social security | c31 | 46 | 111 | 90 | 59 | 124 | 20 | 146 |
| Education | c32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 0 | 2 | 4 | 2 | 3 | 1 | 4 |
| Private households with employed persons | c35 | 0 | 156 | 74 | 49 | 66 | 19 | 75 |

continued on next page

Table A6.1 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 963 | 21 | 2 | 15 | 133 | 262 | 257 | 1,182 | 5 | 5 | 4 | 10 |
| 107 | 102 | 868 | 487 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 20 | 3 | 5 | 7 | 241 | 475 | 466 | 3,045 | 2 | 1 | 4 | 2 |
| 171 | 3 | 0 | 3 | 21 | 41 | 40 | 34 | 1 | 0 | 3 | 2 |
| 4 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| 100 | 5 | 0 | 1,213 | 16 | 31 | 30 | 0 | 0 | 0 | 0 | 1 |
| 59 | 9 | 0 | 6 | 168 | 331 | 325 | 4 | 7 | 3 | 2 | 27 |
| 113 | 40 | 1,231 | 985 | 409 | 807 | 792 | 203 | 1,017 | 504 | 2,012 | 327 |
| 556 | 103 | 100 | 163 | 104 | 206 | 202 | 4 | 8 | 4 | 15 | 154 |
| 1,978 | 91 | 181 | 202 | 204 | 402 | 394 | 189 | 212 | 48 | 132 | 258 |
| 386 | 3 | 1 | 3,846 | 21 | 41 | 40 | 1 | 0 | 3 | 1 | 31 |
| 3,732 | 143 | 481 | 3,031 | 36 | 70 | 69 | 139 | 9 | 261 | 6 | 29 |
| 914 | 14 | 100 | 95 | 21 | 41 | 41 | 67 | 21 | 1 | 1 | 14 |
| 1,397 | 25 | 11 | 478 | 23 | 45 | 44 | 3 | 13 | 5 | 15 | 30 |
| 7,499 | 39 | 239 | 325 | 237 | 467 | 458 | 149 | 100 | 45 | 298 | 78 |
| 77 | 168 | 0 | 13 | 48 | 94 | 93 | 7 | 52 | 41 | 113 | 84 |
| 283 | 14 | 1,597 | 97 | 37 | 73 | 72 | 651 | 40 | 7 | 23 | 132 |
| 89 | 4 | 7 | 2,181 | 2 | 4 | 4 | 96 | 1 | 1 | 2 | 70 |
| 287 | 11 | 34 | 182 | 32 | 64 | 63 | 73 | 25 | 19 | 48 | 18 |
| 930 | 35 | 109 | 590 | 105 | 207 | 203 | 236 | 83 | 61 | 155 | 58 |
| 865 | 32 | 102 | 549 | 97 | 192 | 189 | 220 | 77 | 56 | 144 | 54 |
| 24 | 1 | 4 | 33 | 76 | 150 | 147 | 1,041 | 38 | 73 | 141 | 77 |
| 218 | 11 | 63 | 148 | 60 | 118 | 115 | 68 | 129 | 6 | 1 | 27 |
| 2 | 0 | 1 | 1 | 0 | 1 | 1 | 26 | 71 | 479 | 0 | 370 |
| 41 | 1 | 9 | 12 | 10 | 20 | 19 | 8 | 233 | 22 | 223 | 1,204 |
| 65 | 5 | 0 | 4 | 70 | 138 | 135 | 2 | 342 | 207 | 350 | 1,543 |
| 92 | 6 | 93 | 75 | 60 | 119 | 116 | 484 | 192 | 18 | 81 | 155 |
| 353 | 18 | 375 | 324 | 262 | 518 | 508 | 183 | 70 | 244 | 246 | 212 |
| 45 | 2 | - | 142 | 41 | 82 | 80 | 22 | 51 | 54 | 30 | 123 |
| 420 | 13 | 603 | 204 | 132 | 261 | 256 | 187 | 46 | 49 | 393 | 177 |
| 98 | 5 | 53 | 199 | 82 | 161 | 158 | 50 | 65 | 93 | 67 | 162 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 7 | 4 | 2 | 4 | 3 | 2 | 1 | 1 | 5 | 4 |
| 210 | 7 | 0 | 9 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 |

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Table A6.1 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 8 | 16 | 25 | 6 | 231 |
| Mining and quarrying | c2 | 0 | 0 | 0 | 0 | 3 |
| Food, beverages, and tobacco | c3 | 3 | 5 | 3 | 3 | 397 |
| Textiles and textile products | c4 | 7 | 3 | 1 | 1 | 71 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | c6 | 1 | 2 | 1 | 1 | 17 |
| Pulp, paper, paper products, printing, and publishing | c7 | 355 | 428 | 10 | 126 | 260 |
| Coke, refined petroleum, and nuclear fuel | c8 | 140 | 61 | 10 | 83 | 243 |
| Chemicals and chemical products | c9 | 50 | 6 | 11 | 9 | 110 |
| Rubber and plastics | c10 | 88 | 63 | 15 | 98 | 136 |
| Other nonmetallic minerals | c11 | 1 | 2 | 5 | 1 | 38 |
| Basic metals and fabricated metal | c12 | 35 | 122 | 6 | 20 | 468 |
| Machinery, nec | c13 | 169 | 3 | 0 | 4 | 23 |
| Electrical and optical equipment | c14 | 168 | 9 | 2 | 15 | 231 |
| Transport equipment | c15 | 432 | 8 | 5 | 65 | 515 |
| Manufacturing, nec; recycling | c16 | 24 | 37 | 3 | 90 | 164 |
| Electricity, gas, and water supply | c17 | 160 | 570 | 24 | 86 | 1,265 |
| Construction | c18 | 548 | 133 | 154 | 98 | 2,315 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 32 | 21 | 2 | 13 | 43 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 103 | 70 | 8 | 43 | 141 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 96 | 65 | 7 | 40 | 131 |
| Hotels and restaurants | c22 | 16 | 969 | 11 | 23 | 654 |
| Inland transport | c23 | 30 | 14 | 14 | 77 | 335 |
| Water transport | c24 | 5 | 19 | 1 | 11 | 52 |
| Air transport | c25 | 119 | 161 | 18 | 199 | 741 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 18 | 201 | 12 | 23 | 735 |
| Post and telecommunications | c27 | 11,890 | 1,699 | 65 | 480 | 1,348 |
| Financial intermediation | c28 | 2,862 | 9,921 | 607 | 308 | 1,064 |
| Real estate activities | c29 | 51 | 188 | 324 | 67 | 1,171 |
| Renting of M&Eq and other business activities | c30 | 417 | 415 | 94 | 773 | 1,305 |
| Public administration and defense; compulsory social security | c31 | 459 | 1,724 | 435 | 116 | 1,508 |
| Education | c32 | 0 | 0 | 1 | 0 | 4 |
| Health and social work | c33 | 0 | 180 | 1 | 0 | 141 |
| Other community, social, and personal services | c34 | 5 | 7 | 5 | 7 | 68 |
| Private households with employed persons | c35 | 25 | 0 | 7 | 2 | 101 |

continued on next page

Table A6.1 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 4 | 4 | 13 | 0 | 6,398 | 4 | 0 | 962 | (925) | 2,671 | 42,302 |
| 0 | 0 | 0 | 0 | 29 | 0 | - | 3 | (43) | 10,485 | 33,607 |
| 1 | 7 | 136 | 0 | 18,384 | 13 | - | 19 | 765 | 19,583 | 64,725 |
| 2 | 2 | 4 | 0 | 1,290 | 1 | - | 4 | (189) | 474 | 2,765 |
| 0 | 0 | 0 | 0 | 134 | 0 | - | 0 | (14) | 46 | 215 |
| 1 | 1 | 4 | 0 | 1,434 | 0 | - | 20 | (93) | 4,609 | 9,283 |
| 7 | 7 | 24 | 0 | 769 | 1 | - | 314 | 81 | 1,110 | 5,556 |
| 6 | 9 | 118 | 6 | 5,432 | 1 | - | 2 | (32) | 14,158 | 42,865 |
| 4 | 742 | 43 | 11 | 1,132 | 5 | - | 10 | 135 | 8,129 | 30,783 |
| 1 | 52 | 75 | 3 | 3,671 | 4 | - | 1,264 | 392 | 10,044 | 36,806 |
| 1 | 1 | 4 | 0 | 360 | 1 | - | 46 | 27 | 3,006 | 12,816 |
| 9 | 7 | 68 | 4 | 621 | 0 | - | 584 | 81 | 4,290 | 29,168 |
| 4 | 1 | 51 | 7 | 298 | 0 | - | 1,368 | (7) | 2,894 | 6,713 |
| 18 | 44 | 115 | 2 | 875 | - | - | 4,421 | 348 | 26,071 | 43,561 |
| 18 | 17 | 171 | 21 | 2,857 | 3 | - | 9,259 | 26 | 12,812 | 39,910 |
| 7 | 54 | 304 | 1 | 410 | 1 | - | 246 | (80) | 62 | 2,506 |
| 43 | 21 | 250 | 20 | 2,412 | 2 | - | 78 | 2 | 1,745 | 14,999 |
| 53 | 15 | 73 | 0 | 2,049 | 2 | - | 17,074 | 1 | 1,923 | 28,583 |
| 0 | 0 | 22 | 1 | 2,052 | 0 | - | 276 | 40 | 2,697 | 8,265 |
| 1 | 0 | 70 | 3 | 5,363 | 1 | - | 895 | 336 | 6,272 | 23,249 |
| 1 | 0 | 65 | 3 | 4,988 | 1 | - | 833 | 131 | 5,770 | 21,376 |
| 11 | 15 | 107 | 0 | 9,089 | 12 | 0 | 1,454 | (0) | 2,092 | 16,481 |
| 6 | 6 | 75 | 13 | 753 | 0 | - | 191 | 18 | 1,071 | 5,471 |
| 0 | 0 | 3 | 0 | 817 | 0 | - | 0 | 0 | 2,658 | 4,621 |
| 10 | 12 | 45 | 3 | 1,357 | 1 | - | 0 | (0) | 2,430 | 7,250 |
| 4 | 6 | 14 | 0 | 934 | 1 | - | 9 | 0 | 2,714 | 10,305 |
| 26 | 22 | 560 | 22 | 6,780 | 2 | - | 7 | 965 | 6,323 | 32,766 |
| 36 | 22 | 693 | 20 | 9,299 | 5 | - | 169 | (0) | 2,994 | 37,683 |
| 16 | 9 | 46 | - | 2,689 | 2 | - | - | 226 | - | 5,740 |
| 40 | 36 | 914 | 69 | 366 | 0 | 187 | 486 | (52) | 327 | 10,364 |
| 22 | 13 | 151 | 3 | 7,019 | 4 | 23,496 | 24 | 0 | 2,071 | 39,441 |
| 13 | 0 | 0 | 0 | 1,012 | 25 | 1,317 | - | 0 | 0 | 2,377 |
| 0 | 1 | 4 | 0 | 1,406 | 3 | 1,547 | 0 | 0 | 0 | 3,287 |
| 54 | 1 | 1,896 | 0 | 6,353 | 2 | 4,739 | 1,293 | 0 | 141 | 14,633 |
| 1 | 2 | 2 | 2 | 244 | 0 | 0 | 0 | (16) | 255 | 1,377 |

continued on next page

Table A6.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 391 | 0 | 3,126 | 11 | 2 | 494 | 70 |
| Mining and quarrying | m2 | 2 | 45 | 26 | 0 | 0 | 0 | 1 |
| Food, beverages, and tobacco | m3 | 217 | 2 | 2,379 | 1 | 1 | 2 | 1 |
| Textiles and textile products | m4 | 1 | 1 | 6 | 209 | 4 | 2 | 31 |
| Leather, leather products, and footwear | m5 | 1 | 0 | 2 | 0 | 15 | 11 | 6 |
| Wood and products of wood and cork | m6 | 3 | 0 | 0 | 0 | 0 | 49 | 16 |
| Pulp, paper, paper products, printing, and publishing | m7 | 1 | 2 | 97 | 5 | 0 | 28 | 552 |
| Coke, refined petroleum, and nuclear fuel | m8 | 410 | 245 | 81 | 3 | 0 | 20 | 9 |
| Chemicals and chemical products | m9 | 1,071 | 212 | 184 | 120 | 3 | 139 | 118 |
| Rubber and plastics | m10 | 24 | 8 | 99 | 3 | 0 | 10 | 9 |
| Other nonmetallic minerals | m11 | 15 | 4 | 29 | 0 | 0 | 6 | 5 |
| Basic metals and fabricated metal | m12 | 64 | 211 | 413 | 16 | 1 | 50 | 94 |
| Machinery, nec | m13 | 21 | 75 | 2 | 11 | 0 | 45 | 1 |
| Electrical and optical equipment | m14 | 15 | 38 | 20 | 5 | 0 | 4 | 7 |
| Transport equipment | m15 | 220 | 150 | 7 | 19 | 0 | 77 | 4 |
| Manufacturing, nec; recycling | m16 | 3 | 9 | 51 | 16 | 0 | 4 | 5 |
| Electricity, gas, and water supply | m17 | 11 | 2 | 23 | 4 | 0 | 8 | 4 |
| Construction | m18 | 4 | 4 | 3 | 0 | 0 | 1 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 40 | 0 | 118 | 11 | 2 | 5 | 9 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 1 | 0 | 5 | 0 | 0 | 1 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 16 | 2 | 53 | 9 | 1 | 9 | 8 |
| Air transport | m25 | 22 | 17 | 26 | 3 | 1 | 6 | 4 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 1 | 41 | 73 | 10 | 0 | 57 | 14 |
| Post and telecommunications | m27 | 1 | 2 | 3 | 0 | 0 | 1 | 1 |
| Financial intermediation | m28 | 34 | 7 | 24 | 1 | 0 | 5 | 2 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 212 | 159 | 190 | 23 | 2 | 111 | 47 |
| Public administration and defense; compulsory social security | m31 | 5 | 1 | 4 | 0 | 0 | 1 | 1 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 17 | 0 | 16 | 0 | 0 | 0 | 5 |
| Total intermediate consumption | r60 | 16,328 | 5,467 | 56,597 | 1,829 | 128 | 7,899 | 3,989 |
| Taxes less subsidies on products | r99 | 243 | 263 | 76 | 9 | 1 | 13 | 15 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 25,731 | 27,877 | 8,052 | 928 | 87 | 1,371 | 1,552 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 42,302 | 33,607 | 64,725 | 2,765 | 215 | 9,283 | 5,556 |

continued on next page

Table A6.1 Import Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|---------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| 1 | 14 | 594 | 2 | 3 | 2 | 7 | 171 | 3 | 0 | 2 | 21 | 40 |
| 3,078 | 119 | 5 | 179 | 56 | 3 | 1 | 15 | 13 | 55 | 79 | 0 | 0 |
| 5 | 226 | 32 | 2 | 3 | 1 | 3 | 3 | 0 | 1 | 1 | 34 | 62 |
| 0 | 7 | 98 | 4 | 6 | 2 | 13 | 88 | 2 | 0 | 1 | 11 | 20 |
| 0 | 0 | 35 | 3 | 3 | 1 | 1 | 8 | 2 | 0 | 0 | 2 | 4 |
| 0 | 6 | 1 | 1 | 1 | 3 | 3 | 5 | 0 | 0 | 57 | 1 | 1 |
| 2 | 57 | 78 | 51 | 28 | 6 | 46 | 53 | 8 | 0 | 5 | 149 | 269 |
| 1,913 | 523 | 55 | 325 | 90 | 5 | 15 | 30 | 9 | 340 | 243 | 108 | 178 |
| 153 | 3,619 | 2,625 | 191 | 247 | 36 | 223 | 284 | 65 | 53 | 78 | 54 | 90 |
| 20 | 39 | 569 | 2 | 8 | 7 | 54 | 108 | 7 | 10 | 13 | 11 | 20 |
| 0 | 38 | 20 | 357 | 198 | 8 | 144 | 70 | 0 | 0 | 653 | 4 | 7 |
| 18 | 229 | 342 | 447 | 5,713 | 368 | 938 | 2,332 | 81 | 299 | 1,832 | 22 | 41 |
| 0 | 1 | 25 | 14 | 113 | 156 | 139 | 1,048 | 12 | 119 | 104 | 24 | 42 |
| 4 | 135 | 89 | 11 | 157 | 749 | 7,888 | 1,477 | 36 | 12 | 463 | 23 | 83 |
| 1 | 8 | 33 | 30 | 232 | 448 | 1,944 | 6,334 | 32 | 200 | 273 | 197 | 386 |
| 3 | 20 | 18 | 9 | 12 | 3 | 33 | 38 | 77 | 0 | 4 | 19 | 34 |
| 5 | 31 | 73 | 35 | 38 | 3 | 12 | 15 | 1 | 81 | 4 | 2 | 3 |
| 1 | 1 | 2 | 1 | 1 | 0 | 5 | 1 | 0 | 0 | 32 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 53 | 83 | 49 | 16 | 32 | 9 | 208 | 44 | 15 | 25 | 53 | 0 | 26 |
| 1 | 2 | 3 | 1 | 1 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 26 | 15 | 21 | 31 | 4 | 31 | 11 | 3 | 5 | 8 | 0 | 45 |
| 3 | 14 | 9 | 6 | 8 | 3 | 25 | 11 | 2 | 4 | 7 | 1 | 21 |
| 13 | 57 | 13 | 63 | 49 | 6 | 36 | 11 | 1 | 1 | 2 | 11 | 21 |
| 1 | 4 | 3 | 1 | 5 | 3 | 11 | 4 | 0 | 4 | 3 | 2 | 4 |
| 7 | 11 | 7 | 5 | 12 | 2 | 13 | 8 | 0 | 8 | 7 | 6 | 10 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 165 | 253 | 124 | 193 | 61 | 351 | 397 | 11 | 556 | 179 | 121 | 216 |
| 1 | 2 | 2 | 1 | 3 | 0 | 2 | 3 | 0 | 1 | 4 | 2 | 3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 6 | 3 | 2 | 3 | 1 | 3 | 8 | 0 | 0 | 0 | 0 | 0 |
| 0 | 90 | 44 | 30 | 40 | 12 | 32 | 156 | 2 | 0 | 5 | 0 | 0 |
| 33,370 | 23,710 | 32,878 | 10,372 | 23,760 | 5,038 | 31,624 | 34,836 | 1,319 | 8,051 | 19,742 | 3,575 | 7,056 |
| 89 | 66 | 37 | 23 | 51 | 16 | 111 | 47 | 11 | 65 | 83 | 44 | 151 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9,406 | 7,007 | 3,892 | 2,421 | 5,358 | 1,659 | 11,826 | 5,026 | 1,176 | 6,884 | 8,759 | 4,646 | 16,042 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 42,865 | 30,783 | 36,806 | 12,816 | 29,168 | 6,713 | 43,561 | 39,910 | 2,506 | 14,999 | 28,583 | 8,265 | 23,249 |

continued on next page

Table A6.1 Import Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 41 | 184 | 1 | 1 | 1 | 2 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 65 | 414 | 0 | 0 | 1 | 0 |
| Textiles and textile products | m4 | 20 | 17 | 0 | 0 | 2 | 1 |
| Leather, leather products, and footwear | m5 | 4 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 1 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 288 | 4 | 6 | 2 | 1 | 23 |
| Coke, refined petroleum, and nuclear fuel | m8 | 207 | 48 | 256 | 83 | 458 | 82 |
| Chemicals and chemical products | m9 | 103 | 2 | 4 | 1 | 7 | 75 |
| Rubber and plastics | m10 | 21 | 10 | 11 | 2 | 6 | 13 |
| Other nonmetallic minerals | m11 | 7 | 0 | 0 | 0 | 0 | 5 |
| Basic metals and fabricated metal | m12 | 42 | 83 | 6 | 150 | 3 | 18 |
| Machinery, nec | m13 | 46 | 73 | 23 | 1 | 1 | 15 |
| Electrical and optical equipment | m14 | 44 | 5 | 12 | 5 | 14 | 29 |
| Transport equipment | m15 | 382 | 129 | 87 | 37 | 254 | 68 |
| Manufacturing, nec; recycling | m16 | 36 | 4 | 28 | 20 | 60 | 46 |
| Electricity, gas, and water supply | m17 | 3 | 30 | 2 | 0 | 1 | 6 |
| Construction | m18 | 0 | 1 | 0 | 0 | 0 | 1 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 18 | 3 | 8 | 9 | 4 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 1 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 1 | 0 | 0 | 0 |
| Water transport | m24 | 3 | 3 | 4 | 72 | 36 | 29 |
| Air transport | m25 | 3 | 3 | 33 | 22 | 70 | 169 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 22 | 1 | 54 | 28 | 53 | 244 |
| Post and telecommunications | m27 | 4 | 17 | 7 | 1 | 3 | 6 |
| Financial intermediation | m28 | 11 | 4 | 1 | 4 | 5 | 4 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 234 | 164 | 41 | 37 | 333 | 157 |
| Public administration and defense; compulsory social security | m31 | 4 | 1 | 1 | 1 | 1 | 4 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 1 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | 0 | 12 | 0 | 0 | 0 | 0 |
| Total intermediate consumption | r60 | 6,919 | 9,630 | 3,497 | 2,788 | 5,835 | 6,438 |
| Taxes less subsidies on products | r99 | 135 | 64 | 18 | 17 | 13 | 36 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - |
| Value added at basic prices | r64 | 14,322 | 6,787 | 1,955 | 1,815 | 1,401 | 3,831 |
| International transport margins | | - | - | - | - | - | - |
| Output at basic prices | r69 | 21,376 | 16,481 | 5,471 | 4,621 | 7,250 | 10,305 |

continued on next page

Table A6.1 Import Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|--------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 1 | 2 | 4 | 1 | 36 | 1 | 1 | 2 | 0 | 997 | 1 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| 0 | 1 | 0 | 0 | 54 | 0 | 1 | 19 | 0 | 2,562 | 2 |
| 3 | 2 | 1 | 0 | 36 | 1 | 1 | 2 | 0 | 656 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 295 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 64 | 0 |
| 303 | 369 | 8 | 105 | 226 | 4 | 4 | 21 | 0 | 677 | 1 |
| 34 | 15 | 2 | 20 | 61 | 1 | 2 | 28 | 1 | 1,408 | 0 |
| 24 | 3 | 5 | 4 | 54 | 2 | 343 | 22 | 6 | 568 | 2 |
| 4 | 3 | 1 | 5 | 7 | 0 | 4 | 4 | 0 | 196 | 0 |
| 0 | 0 | 1 | 0 | 7 | 0 | 0 | 1 | 0 | 64 | 0 |
| 21 | 74 | 4 | 12 | 284 | 5 | 4 | 41 | 3 | 382 | 0 |
| 184 | 3 | 0 | 4 | 25 | 4 | 1 | 57 | 8 | 337 | 0 |
| 164 | 9 | 2 | 25 | 226 | 35 | 56 | 114 | 2 | 867 | 0 |
| 362 | 6 | 4 | 55 | 457 | 14 | 14 | 145 | 18 | 2,500 | 2 |
| 13 | 20 | 1 | 46 | 86 | 3 | 25 | 168 | 0 | 213 | 0 |
| 8 | 27 | 1 | 4 | 61 | 1 | 1 | 12 | 1 | 114 | 0 |
| 8 | 2 | 3 | 1 | 34 | 0 | 0 | 1 | 0 | 31 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 7 | 4 | 3 | 9 | 9 | 1 | 16 | 10 | 0 | 26 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 |
| 21 | 3 | 1 | 16 | 24 | 1 | 1 | 2 | 0 | 43 | 0 |
| 29 | 23 | 2 | 33 | 106 | 2 | 3 | 8 | 0 | 191 | 0 |
| 5 | 32 | 2 | 5 | 116 | 1 | 1 | 2 | 0 | 149 | 0 |
| 424 | 61 | 2 | 17 | 49 | 1 | 1 | 20 | 1 | 247 | 0 |
| 58 | 203 | 12 | 6 | 22 | 1 | 0 | 14 | 0 | 192 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 366 | 367 | 82 | 659 | 1,159 | 27 | 28 | 815 | 61 | 326 | 0 |
| 10 | 38 | 9 | 2 | 34 | 0 | 0 | 3 | 0 | 166 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | - | 1 | 0 |
| 1 | 0 | 0 | 0 | 6 | 1 | 0 | 35 | 0 | 125 | 0 |
| 13 | 0 | 4 | 1 | 61 | 0 | 1 | 1 | 1 | 102 | 0 |
| 20,383 | 18,386 | 2,043 | 3,920 | 19,272 | 526 | 1,637 | 7,670 | 319 | 122,596 | 109 |
| 116 | 180 | 35 | 60 | 188 | 17 | 15 | 65 | 10 | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 12,267 | 19,117 | 3,662 | 6,384 | 19,981 | 1,834 | 1,634 | 6,898 | 1,049 | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 32,766 | 37,683 | 5,740 | 10,364 | 39,441 | 2,377 | 3,287 | 14,633 | 1,377 | 122,596 | 109 |

continued on next page

Table A6.1 Import Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|----------------|------------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 152 | (37) | - | 6,343 |
| Mining and quarrying | m2 | 0 | 0 | (2) | - | 3,680 |
| Food, beverages, and tobacco | m3 | 0 | 3 | 54 | - | 6,154 |
| Textiles and textile products | m4 | 0 | 2 | (54) | - | 1,196 |
| Leather, leather products, and footwear | m5 | 0 | 0 | (15) | - | 381 |
| Wood and products of wood and cork | m6 | 0 | 1 | (2) | - | 211 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 269 | 41 | - | 3,788 |
| Coke, refined petroleum, and nuclear fuel | m8 | - | 1 | (5) | - | 7,303 |
| Chemicals and chemical products | m9 | 0 | 6 | 43 | - | 10,835 |
| Rubber and plastics | m10 | 0 | 64 | 13 | - | 1,387 |
| Other nonmetallic minerals | m11 | 0 | 8 | 3 | - | 1,657 |
| Basic metals and fabricated metal | m12 | 0 | 353 | 30 | - | 15,025 |
| Machinery, nec | m13 | 0 | 1,502 | (6) | - | 4,231 |
| Electrical and optical equipment | m14 | 0 | 4,378 | 251 | - | 17,452 |
| Transport equipment | m15 | 0 | 8,160 | 17 | - | 23,308 |
| Manufacturing, nec; recycling | m16 | 0 | 148 | (19) | - | 1,253 |
| Electricity, gas, and water supply | m17 | 0 | 4 | 0 | - | 629 |
| Construction | m18 | 0 | 292 | 0 | - | 433 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | - | 11 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 103 | 3 | - | 1,030 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 2 | 0 | - | 38 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | - | 0 |
| Inland transport | m23 | 0 | 0 | 0 | - | 14 |
| Water transport | m24 | 0 | 2 | 0 | - | 587 |
| Air transport | m25 | 0 | 1 | (0) | - | 890 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 3 | 0 | - | 1,199 |
| Post and telecommunications | m27 | 0 | 0 | 14 | - | 928 |
| Financial intermediation | m28 | 0 | 3 | 0 | - | 710 |
| Real estate activities | m29 | 0 | 0 | 0 | - | 0 |
| Renting of M&Eq and other business activities | m30 | 165 | 422 | (25) | - | 8,845 |
| Public administration and defense; compulsory social security | m31 | 545 | 1 | 0 | - | 861 |
| Education | m32 | 0 | 0 | 0 | - | 0 |
| Health and social work | m33 | 0 | 0 | 0 | - | 8 |
| Other community, social, and personal services | m34 | 86 | 23 | (0) | - | 306 |
| Private households with employed persons | m35 | 0 | 0 | (0) | - | 646 |
| Total intermediate consumption | r60 | 32,084 | 57,214 | 2,425 | 161,928 | 813,186 |
| Taxes less subsidies on products | r99 | - | - | - | - | 2,382 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | - | - | - | - | 252,636 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 32,084 | 57,214 | 2,425 | 161,928 | 1,068,204 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A6.2: Malaysia Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 2,527 | 6 | 22,580 | 70 | 11 | 3,043 | 335 |
| Mining and quarrying | c2 | 8 | 163 | 190 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | c3 | 1,508 | 28 | 18,549 | 15 | 6 | 17 | 25 |
| Textiles and textile products | c4 | 2 | 2 | 11 | 364 | 8 | 3 | 66 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 1 | 0 | 5 | 3 | 0 |
| Wood and products of wood and cork | c6 | 100 | 3 | 5 | 2 | 0 | 1,327 | 73 |
| Pulp, paper, paper products, printing, and publishing | c7 | 1 | 3 | 193 | 17 | 1 | 46 | 2,149 |
| Coke, refined petroleum, and nuclear fuel | c8 | 2,001 | 1,028 | 314 | 22 | 1 | 98 | 100 |
| Chemicals and chemical products | c9 | 2,398 | 486 | 483 | 296 | 9 | 299 | 459 |
| Rubber and plastics | c10 | 135 | 44 | 440 | 20 | 8 | 18 | 92 |
| Other nonmetallic minerals | c11 | 49 | 12 | 99 | 1 | 0 | 18 | 3 |
| Basic metals and fabricated metal | c12 | 77 | 315 | 565 | 12 | 1 | 50 | 54 |
| Machinery, nec | c13 | 40 | 130 | 2 | 22 | 0 | 83 | 2 |
| Electrical and optical equipment | c14 | 28 | 81 | 26 | 10 | 0 | 23 | 38 |
| Transport equipment | c15 | 249 | 36 | 13 | 4 | 0 | 8 | 6 |
| Manufacturing, nec; recycling | c16 | 40 | 31 | 197 | 93 | 8 | 23 | 38 |
| Electricity, gas, and water supply | c17 | 313 | 42 | 557 | 100 | 4 | 205 | 206 |
| Construction | c18 | 338 | 333 | 300 | 8 | 1 | 44 | 55 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 179 | 53 | 771 | 20 | 2 | 84 | 58 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 901 | 267 | 3,881 | 100 | 8 | 424 | 293 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 457 | 124 | 2,264 | 55 | 3 | 237 | 158 |
| Hotels and restaurants | c22 | 82 | 3 | 18 | 2 | 0 | 7 | 13 |
| Inland transport | c23 | 198 | 144 | 314 | 21 | 3 | 120 | 62 |
| Water transport | c24 | 113 | 79 | 176 | 12 | 2 | 66 | 32 |
| Air transport | c25 | 177 | 128 | 280 | 19 | 3 | 107 | 56 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 128 | 197 | 416 | 41 | 3 | 215 | 109 |
| Post and telecommunications | c27 | 168 | 134 | 261 | 33 | 3 | 89 | 396 |
| Financial intermediation | c28 | 1,716 | 346 | 1,324 | 66 | 7 | 231 | 250 |
| Real estate activities | c29 | 47 | - | 124 | 24 | 5 | 51 | 57 |
| Renting of M&Eq and other business activities | c30 | 180 | 163 | 201 | 27 | 2 | 100 | 175 |
| Public administration and defense; compulsory social security | c31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | c32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 23 | 26 | 260 | 3 | 3 | 13 | 49 |
| Private households with employed persons | c35 | - | - | 23 | 0 | - | - | 2 |

continued on next page

Table A6.2 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 10 | 82 | 2,103 | 7 | 16 | 15 | 59 |
| Mining and quarrying | c2 | 22,536 | 476 | 11 | 458 | 139 | 27 | 18 |
| Food, beverages, and tobacco | c3 | 77 | 1,816 | 210 | 17 | 32 | 8 | 56 |
| Textiles and textile products | c4 | 1 | 13 | 91 | 4 | 7 | 5 | 35 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 6 | 1 | 1 | 0 | 2 |
| Wood and products of wood and cork | c6 | 2 | 187 | 19 | 10 | 21 | 9 | 307 |
| Pulp, paper, paper products, printing, and publishing | c7 | 5 | 112 | 91 | 64 | 69 | 13 | 141 |
| Coke, refined petroleum, and nuclear fuel | c8 | 781 | 2,468 | 248 | 704 | 233 | 14 | 147 |
| Chemicals and chemical products | c9 | 633 | 8,715 | 3,477 | 294 | 425 | 119 | 902 |
| Rubber and plastics | c10 | 44 | 315 | 6,871 | 32 | 110 | 125 | 1,278 |
| Other nonmetallic minerals | c11 | 2 | 131 | 42 | 1,010 | 471 | 25 | 706 |
| Basic metals and fabricated metal | c12 | 25 | 224 | 133 | 336 | 5,882 | 960 | 2,344 |
| Machinery, nec | c13 | 0 | 2 | 24 | 15 | 168 | 253 | 342 |
| Electrical and optical equipment | c14 | 5 | 185 | 126 | 18 | 244 | 185 | 16,705 |
| Transport equipment | c15 | 3 | 6 | 13 | 7 | 47 | 67 | 143 |
| Manufacturing, nec; recycling | c16 | 10 | 120 | 67 | 33 | 357 | 65 | 271 |
| Electricity, gas, and water supply | c17 | 230 | 587 | 595 | 393 | 550 | 72 | 694 |
| Construction | c18 | 89 | 101 | 88 | 73 | 67 | 30 | 772 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 292 | 260 | 267 | 64 | 170 | 36 | 415 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 1,472 | 1,309 | 1,343 | 323 | 858 | 183 | 2,092 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 881 | 747 | 663 | 174 | 500 | 112 | 1,274 |
| Hotels and restaurants | c22 | 3 | 17 | 19 | 7 | 30 | 8 | 28 |
| Inland transport | c23 | 168 | 173 | 104 | 93 | 119 | 24 | 224 |
| Water transport | c24 | 95 | 96 | 58 | 51 | 64 | 12 | 117 |
| Air transport | c25 | 150 | 154 | 93 | 83 | 103 | 21 | 201 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 202 | 260 | 87 | 167 | 172 | 29 | 295 |
| Post and telecommunications | c27 | 74 | 223 | 189 | 96 | 218 | 66 | 783 |
| Financial intermediation | c28 | 656 | 545 | 186 | 149 | 434 | 100 | 1,288 |
| Real estate activities | c29 | 14 | 108 | 70 | 49 | 85 | 29 | 186 |
| Renting of M&Eq and other business activities | c30 | 93 | 170 | 147 | 78 | 135 | 68 | 731 |
| Public administration and defense; compulsory social security | c31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | c32 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Health and social work | c33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 11 | 452 | 838 | 357 | 467 | 32 | 143 |
| Private households with employed persons | c35 | 0 | 127 | 30 | 24 | 39 | 16 | 99 |

continued on next page

Table A6.2 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 458 | 720 | 19 | 26 | 7 | 1,338 | 103 | 1,643 | 8 | 4 | 14 | 10 |
| 29 | 133 | 600 | 466 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 1 |
| 18 | 21 | 11 | 27 | 2 | 627 | 1,613 | 4,110 | 4 | 2 | 5 | 9 |
| 62 | 56 | 0 | 4 | 0 | 177 | 9 | 41 | 1 | 0 | 3 | 2 |
| 1 | 5 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 932 | 1 | 2,479 | 1 | 217 | 8 | 1 | 1 | 0 | 1 | 1 |
| 19 | 72 | 129 | 9 | 171 | 1,466 | 135 | 16 | 8 | 5 | 3 | 14 |
| 47 | 30 | 1,317 | 1,548 | 75 | 3,935 | 1,053 | 343 | 1,824 | 601 | 2,389 | 341 |
| 286 | 391 | 136 | 305 | 3 | 680 | 538 | 11 | 18 | 6 | 23 | 156 |
| 711 | 271 | 131 | 374 | 4 | 1,041 | 473 | 7 | 252 | 2 | 11 | 220 |
| 91 | 37 | 1 | 4,503 | 0 | 86 | 34 | 1 | 1 | 0 | 1 | 15 |
| 1,490 | 463 | 184 | 4,164 | 32 | 252 | 30 | 34 | 85 | 280 | 112 | 72 |
| 313 | 62 | 244 | 321 | 19 | 3 | 60 | 205 | 64 | 2 | 1 | 14 |
| 1,691 | 66 | 63 | 1,071 | 10 | 767 | 138 | 50 | 40 | 5 | 10 | 49 |
| 3,675 | 22 | 23 | 54 | 965 | 22 | 1,065 | 20 | 61 | 65 | 409 | 55 |
| 129 | 167 | 10 | 334 | 24 | 625 | 814 | 72 | 17 | 17 | 10 | 32 |
| 172 | 107 | 2,330 | 208 | 32 | 148 | 163 | 1,257 | 84 | 10 | 33 | 153 |
| 46 | 845 | 18 | 4,304 | 3 | 16 | 11 | 171 | 4 | 2 | 8 | 77 |
| 157 | 59 | 57 | 326 | 33 | 198 | 136 | 131 | 46 | 19 | 57 | 18 |
| 792 | 297 | 288 | 1,640 | 167 | 997 | 686 | 658 | 233 | 97 | 285 | 89 |
| 449 | 170 | 154 | 937 | 59 | 569 | 319 | 368 | 121 | 53 | 153 | 54 |
| 13 | 5 | 4 | 55 | 50 | 572 | 204 | 1,633 | 63 | 81 | 155 | 73 |
| 57 | 33 | 57 | 125 | 47 | 321 | 101 | 71 | 433 | 259 | 184 | 918 |
| 30 | 18 | 24 | 67 | 26 | 174 | 54 | 38 | 248 | 149 | 100 | 525 |
| 51 | 29 | 53 | 111 | 43 | 288 | 91 | 64 | 387 | 231 | 166 | 819 |
| 47 | 36 | 28 | 84 | 36 | 492 | 75 | 45 | 301 | 121 | 206 | 769 |
| 150 | 74 | 542 | 324 | 149 | 860 | 548 | 494 | 231 | 48 | 291 | 218 |
| 178 | 70 | 347 | 428 | 192 | 1,428 | 849 | 274 | 110 | 233 | 203 | 149 |
| 61 | 34 | - | 691 | 100 | 233 | 781 | 97 | 235 | 164 | 91 | 324 |
| 161 | 56 | 578 | 291 | 113 | 598 | 345 | 202 | 100 | 43 | 351 | 135 |
| 0 | 0 | - | - | - | 0 | 0 | 0 | - | - | - | - |
| 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 56 | 18 | 313 | 141 | 14 | 75 | 41 | 416 | 14 | 12 | 44 | 18 |
| 74 | 23 | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A6.2 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 88 | 21 | 21 | 18 | 60 |
| Mining and quarrying | c2 | 1 | 0 | 0 | 0 | 1 |
| Food, beverages, and tobacco | c3 | 17 | 8 | 3 | 5 | 199 |
| Textiles and textile products | c4 | 8 | 3 | 1 | 1 | 31 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 1 |
| Wood and products of wood and cork | c6 | 7 | 5 | 1 | 4 | 11 |
| Pulp, paper, paper products, printing, and publishing | c7 | 807 | 488 | 19 | 777 | 243 |
| Coke, refined petroleum, and nuclear fuel | c8 | 210 | 71 | 15 | 103 | 154 |
| Chemicals and chemical products | c9 | 62 | 19 | 14 | 21 | 84 |
| Rubber and plastics | c10 | 50 | 13 | 13 | 79 | 30 |
| Other nonmetallic minerals | c11 | 4 | 1 | 3 | 1 | 9 |
| Basic metals and fabricated metal | c12 | 49 | 7 | 7 | 66 | 117 |
| Machinery, nec | c13 | 14 | 1 | 0 | 8 | 34 |
| Electrical and optical equipment | c14 | 995 | 29 | 2 | 48 | 183 |
| Transport equipment | c15 | 23 | 8 | 1 | 66 | 216 |
| Manufacturing, nec; recycling | c16 | 54 | 299 | 9 | 98 | 155 |
| Electricity, gas, and water supply | c17 | 390 | 735 | 37 | 150 | 538 |
| Construction | c18 | 886 | 164 | 221 | 138 | 1,497 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 47 | 22 | 2 | 23 | 27 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 240 | 113 | 10 | 118 | 134 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 189 | 57 | 11 | 70 | 101 |
| Hotels and restaurants | c22 | 38 | 1,115 | 11 | 26 | 386 |
| Inland transport | c23 | 148 | 118 | 19 | 131 | 282 |
| Water transport | c24 | 49 | 69 | 10 | 70 | 150 |
| Air transport | c25 | 141 | 103 | 18 | 118 | 254 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 61 | 149 | 18 | 91 | 336 |
| Post and telecommunications | c27 | 10,626 | 1,845 | 128 | 686 | 1,858 |
| Financial intermediation | c28 | 4,645 | 9,899 | 792 | 316 | 636 |
| Real estate activities | c29 | 194 | 553 | 904 | 211 | 808 |
| Renting of M&Eq and other business activities | c30 | 2,648 | 372 | 97 | 386 | 716 |
| Public administration and defense; compulsory social security | c31 | - | - | - | 0 | 0 |
| Education | c32 | 1 | 1 | 2 | 0 | 3 |
| Health and social work | c33 | 1 | 182 | 1 | 2 | 77 |
| Other community, social, and personal services | c34 | 317 | 45 | 14 | 111 | 706 |
| Private households with employed persons | c35 | - | - | - | - | - |

continued on next page

Table A6.2 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 20 | 4 | 50 | - | 2,521 | 0 | 5 | 1,157 | (13) | 5,397 | 44,561 |
| 0 | 0 | 1 | - | 11 | 0 | 0 | 5 | 11 | 8,598 | 33,888 |
| 6 | 80 | 281 | - | 21,842 | 0 | 1 | 50 | (252) | 21,630 | 72,680 |
| 6 | 3 | 2 | - | 1,062 | 0 | 0 | 6 | 33 | 895 | 3,017 |
| 1 | 0 | 29 | - | 114 | 0 | 0 | 12 | 2 | 39 | 240 |
| 3 | 3 | 7 | - | 37 | 0 | 0 | 29 | (12) | 4,220 | 10,079 |
| 51 | 14 | 28 | - | 914 | 0 | 0 | 25 | 0 | 1,420 | 9,740 |
| 32 | 24 | 267 | - | 7,196 | 0 | 0 | 6 | 0 | 17,338 | 47,079 |
| 35 | 1,398 | 111 | - | 2,443 | 0 | 0 | 363 | (50) | 8,853 | 34,901 |
| 5 | 90 | 36 | - | 2,059 | 0 | 3 | 57 | (112) | 9,651 | 25,004 |
| 2 | 1 | 3 | - | 133 | 0 | 0 | 28 | (4) | 600 | 8,120 |
| 12 | 8 | 27 | - | 176 | 0 | 0 | 892 | (22) | 3,693 | 23,204 |
| 3 | 1 | 71 | - | 123 | 0 | 0 | 2,155 | 7 | 1,583 | 6,388 |
| 165 | 81 | 401 | - | 2,507 | 0 | 3 | 8,739 | (137) | 37,007 | 71,656 |
| 13 | 5 | 28 | - | 2,426 | 0 | 0 | 9,398 | 7 | 2,670 | 21,899 |
| 26 | 23 | 758 | - | 818 | 0 | 0 | 1,413 | 3 | 3,761 | 11,023 |
| 193 | 52 | 977 | - | 4,635 | 5 | 43 | 85 | (0) | 340 | 17,423 |
| 331 | 31 | 108 | - | 6,227 | 0 | 3 | 26,628 | (0) | 4,480 | 48,519 |
| 6 | 28 | 39 | - | 2,360 | 0 | 0 | 381 | (0) | 2,052 | 8,898 |
| 33 | 140 | 200 | - | 10,464 | 0 | 2 | 1,919 | (0) | 11,707 | 44,761 |
| 24 | 86 | 152 | - | 15,611 | 0 | 5 | 1,185 | (0) | 6,704 | 35,247 |
| 62 | 30 | 181 | - | 18,599 | 0 | 1 | 11 | 0 | 182 | 23,786 |
| 41 | 17 | 140 | - | 1,708 | 0 | 4 | 110 | (0) | 2,148 | 9,238 |
| 21 | 9 | 59 | - | 1,115 | 0 | 0 | 50 | 0 | 1,072 | 5,098 |
| 37 | 16 | 130 | - | 1,762 | 0 | 4 | 102 | (0) | 1,686 | 8,279 |
| 32 | 14 | 68 | - | 2,227 | 0 | 0 | 67 | (0) | 2,245 | 9,872 |
| 265 | 81 | 2,167 | - | 16,825 | 2 | 152 | 721 | (1) | 2,914 | 44,930 |
| 147 | 52 | 1,195 | - | 6,685 | 0 | 68 | 425 | (1) | 844 | 37,459 |
| 243 | 47 | 33 | - | 598 | - | - | - | - | 1 | 7,252 |
| 177 | 54 | 1,475 | - | 539 | 0 | 151 | 946 | (1) | 1,121 | 13,923 |
| 0 | 0 | 0 | - | 359 | - | 23,682 | - | (0) | 83 | 24,124 |
| 185 | 0 | 1 | - | 3,733 | 17 | 8,119 | 0 | (0) | 88 | 12,158 |
| 0 | 1 | 1 | - | 2,575 | 33 | 3,929 | 0 | (0) | 58 | 6,865 |
| 164 | 17 | 4,212 | - | 15,941 | 55 | 515 | 221 | 0 | 1,741 | 27,895 |
| - | - | - | - | 274 | - | - | - | 4 | 467 | 1,201 |

continued on next page

Table A6.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 651 | 2 | 5,235 | 17 | 3 | 777 | 90 |
| Mining and quarrying | m2 | 4 | 96 | 66 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 102 | 2 | 1,101 | 1 | 0 | 1 | 1 |
| Textiles and textile products | m4 | 1 | 1 | 6 | 192 | 4 | 1 | 36 |
| Leather, leather products, and footwear | m5 | 1 | 0 | 2 | 0 | 11 | 7 | 0 |
| Wood and products of wood and cork | m6 | 7 | 0 | 0 | 0 | 0 | 92 | 5 |
| Pulp, paper, paper products, printing, and publishing | m7 | 1 | 1 | 64 | 5 | 0 | 17 | 807 |
| Coke, refined petroleum, and nuclear fuel | m8 | 417 | 203 | 60 | 4 | 0 | 25 | 27 |
| Chemicals and chemical products | m9 | 1,196 | 241 | 222 | 133 | 5 | 181 | 287 |
| Rubber and plastics | m10 | 12 | 4 | 35 | 2 | 1 | 2 | 9 |
| Other nonmetallic minerals | m11 | 18 | 4 | 33 | 0 | 0 | 8 | 1 |
| Basic metals and fabricated metal | m12 | 66 | 275 | 438 | 8 | 1 | 41 | 46 |
| Machinery, nec | m13 | 58 | 196 | 3 | 27 | 0 | 123 | 2 |
| Electrical and optical equipment | m14 | 28 | 87 | 29 | 9 | 0 | 21 | 37 |
| Transport equipment | m15 | 145 | 23 | 7 | 2 | 0 | 4 | 3 |
| Manufacturing, nec; recycling | m16 | 6 | 12 | 66 | 19 | 2 | 7 | 11 |
| Electricity, gas, and water supply | m17 | 5 | 1 | 8 | 1 | 0 | 4 | 4 |
| Construction | m18 | 3 | 3 | 2 | 0 | 0 | 0 | 1 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 2 | 0 | 0 | 1 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 49 | 1 | 132 | 13 | 2 | 5 | 9 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 1 | 0 | 4 | 0 | 0 | 1 | 1 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 21 | 15 | 31 | 2 | 0 | 13 | 7 |
| Water transport | m24 | 25 | 8 | 61 | 6 | 0 | 13 | 8 |
| Air transport | m25 | 31 | 15 | 44 | 3 | 0 | 11 | 6 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 19 | 29 | 57 | 5 | 0 | 32 | 17 |
| Post and telecommunications | m27 | 16 | 13 | 24 | 3 | 0 | 10 | 45 |
| Financial intermediation | m28 | 172 | 36 | 123 | 6 | 1 | 25 | 28 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 130 | 121 | 135 | 17 | 1 | 75 | 136 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 1 | 1 | 9 | 0 | 0 | 0 | 2 |
| Private households with employed persons | m35 | - | - | 26 | 0 | - | - | 5 |
| Total intermediate consumption | r60 | 17,369 | 5,800 | 62,864 | 1,960 | 140 | 8,549 | 7,044 |
| Taxes less subsidies on products | r99 | 87 | (21) | 774 | 45 | 3 | 41 | 31 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 27,105 | 28,110 | 9,042 | 1,012 | 97 | 1,489 | 2,665 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 44,561 | 33,888 | 72,680 | 3,017 | 240 | 10,079 | 9,740 |

continued on next page

Table A6.2 Imports Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|---------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| 1 | 23 | 570 | 2 | 3 | 5 | 15 | 130 | 194 | 5 | 7 | 2 | 314 |
| 7,688 | 288 | 7 | 246 | 60 | 12 | 8 | 15 | 86 | 155 | 265 | 0 | 1 |
| 3 | 112 | 14 | 1 | 2 | 0 | 3 | 1 | 1 | 1 | 2 | 0 | 38 |
| 0 | 7 | 53 | 2 | 5 | 3 | 21 | 37 | 32 | 0 | 2 | 0 | 94 |
| 0 | 0 | 16 | 1 | 1 | 1 | 5 | 3 | 12 | 0 | 0 | 0 | 37 |
| 0 | 13 | 1 | 1 | 1 | 1 | 19 | 4 | 65 | 0 | 159 | 0 | 15 |
| 1 | 40 | 33 | 21 | 23 | 5 | 45 | 7 | 25 | 45 | 3 | 60 | 526 |
| 88 | 558 | 58 | 134 | 45 | 3 | 29 | 11 | 7 | 288 | 365 | 15 | 984 |
| 160 | 4,572 | 1,886 | 136 | 218 | 61 | 420 | 151 | 201 | 71 | 155 | 3 | 403 |
| 2 | 28 | 629 | 3 | 11 | 11 | 104 | 66 | 25 | 12 | 33 | 1 | 105 |
| 0 | 51 | 17 | 333 | 156 | 9 | 235 | 35 | 15 | 0 | 1,712 | 0 | 38 |
| 11 | 182 | 114 | 257 | 4,851 | 792 | 1,753 | 1,224 | 368 | 151 | 3,225 | 28 | 191 |
| 0 | 3 | 37 | 20 | 221 | 344 | 431 | 469 | 107 | 359 | 508 | 28 | 4 |
| 6 | 161 | 117 | 17 | 261 | 185 | 15,588 | 1,786 | 66 | 63 | 1,148 | 13 | 743 |
| 1 | 3 | 7 | 4 | 30 | 41 | 77 | 2,189 | 12 | 14 | 29 | 622 | 11 |
| 2 | 44 | 25 | 9 | 110 | 22 | 81 | 42 | 60 | 3 | 78 | 6 | 151 |
| 2 | 11 | 11 | 5 | 7 | 1 | 9 | 3 | 2 | 37 | 4 | 0 | 3 |
| 0 | 1 | 1 | 1 | 1 | 0 | 6 | 0 | 8 | 0 | 40 | 0 | 0 |
| 2 | 2 | 3 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 2 |
| 78 | 97 | 55 | 22 | 51 | 10 | 327 | 60 | 21 | 23 | 64 | 1 | 32 |
| 2 | 3 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 4 | 0 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 7 | 17 | 11 | 9 | 12 | 3 | 21 | 6 | 4 | 6 | 14 | 5 | 36 |
| 34 | 34 | 16 | 29 | 30 | 3 | 38 | 11 | 3 | 7 | 15 | 2 | 47 |
| 10 | 20 | 12 | 12 | 16 | 4 | 40 | 9 | 4 | 7 | 15 | 4 | 47 |
| 14 | 38 | 13 | 22 | 24 | 4 | 38 | 7 | 5 | 4 | 12 | 5 | 72 |
| 4 | 24 | 21 | 8 | 19 | 6 | 68 | 15 | 8 | 53 | 35 | 15 | 89 |
| 38 | 57 | 20 | 13 | 39 | 10 | 114 | 19 | 8 | 35 | 46 | 19 | 148 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 125 | 112 | 51 | 94 | 48 | 477 | 121 | 43 | 417 | 220 | 80 | 437 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 18 | 32 | 12 | 16 | 1 | 6 | 3 | 1 | 13 | 5 | 1 | 3 |
| 0 | 278 | 67 | 22 | 23 | 18 | 112 | 127 | 52 | - | - | - | - |
| 36,757 | 26,993 | 22,271 | 6,587 | 18,562 | 4,329 | 52,894 | 18,127 | 6,758 | 9,436 | 33,584 | 3,289 | 22,798 |
| (10) | (36) | 90 | (1) | 95 | 53 | 232 | 1,013 | 31 | (9) | 67 | 419 | (38) |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10,331 | 7,944 | 2,644 | 1,534 | 4,548 | 2,006 | 18,530 | 2,758 | 4,235 | 7,996 | 14,868 | 5,190 | 22,001 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 47,079 | 34,901 | 25,004 | 8,120 | 23,204 | 6,388 | 71,656 | 21,899 | 11,023 | 17,423 | 48,519 | 8,898 | 44,761 |

continued on next page

Table A6.2 Imports Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 27 | 350 | 2 | 1 | 4 | 2 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 110 | 236 | 0 | 0 | 0 | 1 |
| Textiles and textile products | m4 | 6 | 28 | 1 | 0 | 2 | 1 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 1 | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 49 | 5 | 3 | 1 | 1 | 5 |
| Coke, refined petroleum, and nuclear fuel | m8 | 229 | 72 | 404 | 78 | 505 | 69 |
| Chemicals and chemical products | m9 | 280 | 5 | 10 | 2 | 12 | 76 |
| Rubber and plastics | m10 | 42 | 1 | 23 | 1 | 1 | 18 |
| Other nonmetallic minerals | m11 | 12 | 0 | 0 | 0 | 0 | 5 |
| Basic metals and fabricated metal | m12 | 26 | 26 | 77 | 203 | 101 | 62 |
| Machinery, nec | m13 | 91 | 284 | 98 | 2 | 1 | 20 |
| Electrical and optical equipment | m14 | 137 | 45 | 41 | 6 | 11 | 47 |
| Transport equipment | m15 | 669 | 10 | 37 | 31 | 247 | 32 |
| Manufacturing, nec; recycling | m16 | 212 | 24 | 6 | 5 | 4 | 11 |
| Electricity, gas, and water supply | m17 | 3 | 19 | 1 | 0 | 1 | 2 |
| Construction | m18 | 0 | 1 | 0 | 0 | 0 | 1 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 1 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 3 | 18 | 7 | 15 | 8 | 2 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 1 | 1 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | 2 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 11 | 7 | 49 | 22 | 21 | 100 |
| Water transport | m24 | 6 | 4 | 25 | 112 | 29 | 50 |
| Air transport | m25 | 11 | 7 | 46 | 39 | 50 | 91 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 11 | 6 | 45 | 16 | 32 | 110 |
| Post and telecommunications | m27 | 56 | 45 | 24 | 3 | 30 | 21 |
| Financial intermediation | m28 | 88 | 25 | 12 | 17 | 21 | 15 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 255 | 131 | 76 | 25 | 260 | 95 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 2 | 14 | 1 | 0 | 2 | 1 |
| Private households with employed persons | m35 | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 12,816 | 13,841 | 5,982 | 3,094 | 6,660 | 6,169 |
| Taxes less subsidies on products | r99 | 321 | 150 | (46) | 1 | 19 | 33 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - |
| Value added at basic prices | r64 | 22,109 | 9,796 | 3,302 | 2,003 | 1,600 | 3,670 |
| International transport margins | | - | - | - | - | - | - |
| Output at basic prices | r69 | 35,247 | 23,786 | 9,238 | 5,098 | 8,279 | 9,872 |

continued on next page

Table A6.2 Imports Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|---------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 20 | 5 | 5 | 4 | 14 | 4 | 1 | 11 | - | 604 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 4 | 0 |
| 1 | 0 | 0 | 0 | 12 | 0 | 4 | 20 | - | 1,302 | 0 |
| 4 | 2 | 1 | 1 | 18 | 3 | 1 | 2 | - | 661 | 0 |
| 0 | 0 | 0 | 0 | 2 | 3 | 0 | 76 | - | 297 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | - | 2 | 0 |
| 265 | 148 | 6 | 277 | 79 | 16 | 4 | 12 | - | 307 | 0 |
| 41 | 13 | 3 | 26 | 29 | 6 | 5 | 58 | - | 1,460 | 0 |
| 30 | 8 | 7 | 12 | 39 | 15 | 721 | 47 | - | 1,180 | 0 |
| 4 | 1 | 1 | 8 | 2 | 0 | 9 | 3 | - | 169 | 0 |
| 2 | 0 | 1 | 0 | 3 | 1 | 0 | 1 | - | 47 | 0 |
| 38 | 5 | 5 | 48 | 100 | 9 | 7 | 22 | - | 139 | 0 |
| 19 | 1 | 0 | 11 | 47 | 4 | 1 | 102 | - | 169 | 0 |
| 903 | 25 | 2 | 47 | 194 | 147 | 128 | 328 | - | 2,353 | 0 |
| 13 | 5 | 1 | 35 | 124 | 7 | 3 | 13 | - | 1,331 | 0 |
| 18 | 89 | 3 | 33 | 50 | 8 | 7 | 283 | - | 263 | 0 |
| 6 | 9 | 1 | 3 | 8 | 3 | 1 | 21 | - | 74 | 0 |
| 7 | 1 | 2 | 1 | 12 | 3 | 0 | 1 | - | 49 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 10 | 0 |
| 7 | 4 | 3 | 7 | 9 | 4 | 35 | 14 | - | 40 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 37 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | - | 17 | 0 |
| 15 | 11 | 2 | 14 | 29 | 4 | 2 | 15 | - | 169 | 0 |
| 23 | 11 | 2 | 15 | 30 | 5 | 3 | 6 | - | 108 | 0 |
| 28 | 12 | 3 | 17 | 35 | 6 | 4 | 14 | - | 196 | 0 |
| 10 | 19 | 2 | 13 | 47 | 4 | 2 | 10 | - | 301 | 0 |
| 990 | 158 | 10 | 70 | 176 | 24 | 7 | 243 | - | 1,584 | 0 |
| 440 | 873 | 74 | 32 | 62 | 13 | 5 | 131 | - | 634 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| 1,787 | 237 | 66 | 285 | 494 | 116 | 36 | 1,139 | - | 370 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 19 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | - | 2 | 0 |
| 10 | 2 | 0 | 5 | 25 | 6 | 1 | 163 | - | 510 | 1 |
| - | - | - | - | - | - | - | - | - | 244 | - |
| 27,694 | 18,157 | 2,603 | 4,907 | 11,677 | 2,755 | 3,398 | 15,977 | - | 171,270 | 114 |
| 415 | 298 | 22 | 80 | 157 | 23 | 12 | 48 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 16,821 | 19,003 | 4,627 | 8,935 | 12,289 | 9,380 | 3,455 | 11,870 | 1,201 | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 44,930 | 37,459 | 7,252 | 13,923 | 24,124 | 12,158 | 6,865 | 27,895 | 1,201 | 171,270 | 114 |

continued on next page

Table A6.2 Imports Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|----------------|------------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1 | 428 | (8) | - | 9,519 |
| Mining and quarrying | m2 | 0 | 3 | 39 | - | 9,049 |
| Food, beverages, and tobacco | m3 | 0 | 4 | (41) | - | 3,038 |
| Textiles and textile products | m4 | 0 | 5 | 109 | - | 1,345 |
| Leather, leather products, and footwear | m5 | 0 | 31 | 24 | - | 532 |
| Wood and products of wood and cork | m6 | 0 | 2 | (3) | - | 387 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 13 | 1 | - | 2,920 |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 1 | 5 | - | 6,325 |
| Chemicals and chemical products | m9 | 0 | 201 | (87) | - | 13,261 |
| Rubber and plastics | m10 | 0 | 6 | (33) | - | 1,351 |
| Other nonmetallic minerals | m11 | 0 | 11 | (6) | - | 2,747 |
| Basic metals and fabricated metal | m12 | 0 | 799 | (57) | - | 15,633 |
| Machinery, nec | m13 | 0 | 3,282 | 45 | - | 7,121 |
| Electrical and optical equipment | m14 | 1 | 9,259 | (445) | - | 33,594 |
| Transport equipment | m15 | 0 | 5,800 | 25 | - | 11,605 |
| Manufacturing, nec; recycling | m16 | 0 | 580 | 14 | - | 2,366 |
| Electricity, gas, and water supply | m17 | 0 | 1 | 0 | - | 270 |
| Construction | m18 | 0 | 237 | 0 | - | 383 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 1 | 0 | - | 30 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 123 | 8 | - | 1,358 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 3 | 0 | - | 71 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | - | 23 |
| Inland transport | m23 | 0 | 12 | 95 | - | 819 |
| Water transport | m24 | 0 | 6 | 85 | - | 912 |
| Air transport | m25 | 0 | 13 | (0) | - | 882 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 10 | 0 | - | 1,059 |
| Post and telecommunications | m27 | 6 | 67 | (0) | - | 3,990 |
| Financial intermediation | m28 | 3 | 44 | (0) | - | 3,447 |
| Real estate activities | m29 | 0 | 0 | 0 | - | 2 |
| Renting of M&Eq and other business activities | m30 | 50 | 693 | (0) | - | 8,997 |
| Public administration and defense; compulsory social security | m31 | 562 | 0 | 0 | - | 582 |
| Education | m32 | 1 | 0 | 0 | - | 2 |
| Health and social work | m33 | 1 | 0 | 0 | - | 13 |
| Other community, social, and personal services | m34 | 8 | 7 | 0 | - | 881 |
| Private households with employed persons | m35 | - | - | 74 | - | 1,050 |
| Total intermediate consumption | r60 | 37,327 | 78,828 | (696) | 167,285 | 955,970 |
| Taxes less subsidies on products | r99 | - | - | - | - | 4,398 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | - | - | - | - | 304,165 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 37,327 | 78,828 | (696) | 167,285 | 1,264,533 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

APPENDIX 7: INPUT-OUTPUT TABLES FOR 2010 AND 2017—PHILIPPINES

A7



Table A7.1: Philippines Input–Output Table, 2010 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 3,497 | 1 | 19,240 | 33 | 8 | 143 | 20 |
| Mining and quarrying | c2 | 0 | 0 | 87 | - | 0 | - | - |
| Food, beverages, and tobacco | c3 | 2,347 | - | 10,472 | - | - | - | - |
| Textiles and textile products | c4 | 75 | 0 | 109 | 829 | 116 | 10 | 24 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 2 | 136 | 7 | 4 | 2 |
| Wood and products of wood and cork | c6 | 14 | 6 | 12 | 3 | 0 | 33 | 9 |
| Pulp, paper, paper products, printing, and publishing | c7 | 17 | 19 | 291 | 27 | 1 | 8 | 290 |
| Coke, refined petroleum, and nuclear fuel | c8 | 307 | 233 | 409 | 259 | 2 | 68 | 42 |
| Chemicals and chemical products | c9 | 1,067 | 88 | 825 | 163 | 3 | 85 | 168 |
| Rubber and plastics | c10 | 6 | 12 | 75 | 115 | 40 | 0 | 8 |
| Other nonmetallic minerals | c11 | 4 | 24 | 280 | 0 | - | 1 | 1 |
| Basic metals and fabricated metal | c12 | 85 | 89 | 65 | 9 | 2 | 7 | 25 |
| Machinery, nec | c13 | 0 | - | - | - | - | - | - |
| Electrical and optical equipment | c14 | 119 | 42 | 49 | 19 | 4 | 4 | 11 |
| Transport equipment | c15 | - | 0 | - | - | - | - | - |
| Manufacturing, nec; recycling | c16 | 7 | 20 | 58 | 11 | 3 | 7 | 18 |
| Electricity, gas, and water supply | c17 | 198 | 139 | 636 | 83 | 13 | 21 | 90 |
| Construction | c18 | - | - | - | - | - | - | - |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 7 | 1 | 186 | 19 | 1 | 6 | 21 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 215 | 19 | 1,090 | 146 | 8 | 133 | 149 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 645 | 58 | 3,667 | 486 | 39 | 335 | 488 |
| Hotels and restaurants | c22 | 1 | 0 | 50 | 1 | - | - | - |
| Inland transport | c23 | 299 | 41 | 114 | 11 | 0 | 2 | 7 |
| Water transport | c24 | 37 | 1 | 0 | 1 | - | 0 | 0 |
| Air transport | c25 | 10 | 0 | 24 | 3 | 0 | 1 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 64 | 52 | 62 | 7 | 1 | 11 | 4 |
| Post and telecommunications | c27 | 110 | 44 | 291 | 35 | 2 | 14 | 23 |
| Financial intermediation | c28 | 598 | 31 | 288 | 33 | 2 | 7 | 7 |
| Real estate activities | c29 | 64 | 3 | 72 | 33 | 1 | 1 | 28 |
| Renting of M&Eq and other business activities | c30 | 281 | 117 | 159 | 29 | 1 | 7 | 30 |
| Public administration and defense; compulsory social security | c31 | - | - | - | - | - | - | - |
| Education | c32 | - | - | - | - | - | - | - |
| Health and social work | c33 | 61 | 1 | 0 | - | - | - | - |
| Other community, social, and personal services | c34 | 22 | 1 | 4 | 0 | 0 | 0 | 2 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

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Table A7.1 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| 0 | 228 | 158 | 4 | 0 | - | - | 0 | 306 | 0 | 46 | - | 193 |
| 2,411 | 0 | - | 228 | 651 | - | 21 | - | 29 | 135 | 96 | - | 56 |
| - | - | - | - | - | - | - | - | - | - | - | - | 185 |
| 0 | 16 | 21 | 13 | 5 | 2 | 54 | 1 | 126 | 2 | 13 | 4 | 15 |
| - | 2 | 1 | - | 0 | 0 | 6 | 0 | 60 | 1 | 16 | 0 | 1 |
| 0 | 14 | 1 | 16 | 5 | 3 | 8 | 1 | 388 | 0 | 498 | 0 | 1 |
| 14 | 119 | 8 | 24 | 17 | 20 | 72 | 3 | 65 | 18 | 24 | 2 | 11 |
| 1,059 | 768 | 282 | 396 | 740 | 172 | 586 | 37 | 72 | 372 | 469 | 20 | 71 |
| 54 | 1,607 | 239 | 125 | 131 | 24 | 461 | 43 | 141 | 30 | 48 | 4 | 27 |
| - | 1 | 125 | 24 | 8 | 27 | 22 | 51 | 12 | 4 | 37 | 2 | 19 |
| - | 36 | 1 | 399 | 4 | 3 | 66 | 6 | 9 | 3 | 1,334 | 0 | 1 |
| 30 | 25 | 9 | 44 | 1,080 | 360 | 728 | 342 | 104 | 33 | 2,928 | 4 | 31 |
| - | - | - | - | - | 38 | - | 45 | - | 1 | - | - | 2 |
| 9 | 28 | 6 | 22 | 36 | 7 | 12,155 | 287 | 48 | 138 | 103 | 75 | 17 |
| - | - | - | - | - | - | - | 43 | - | 0 | 2 | 0 | 1 |
| 1 | 16 | 2 | 20 | 26 | 1 | 28 | 3 | 188 | 12 | 20 | 16 | 14 |
| 2 | 153 | 87 | 287 | 379 | 70 | 1,092 | 35 | 68 | 1,747 | 91 | 58 | 26 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10 | 24 | 9 | 10 | 32 | 10 | 148 | 28 | 8 | 16 | 19 | 354 | 18 |
| 94 | 181 | 67 | 88 | 198 | 80 | 1,072 | 399 | 58 | 4 | 131 | 1 | 2,297 |
| 283 | 543 | 200 | 317 | 623 | 220 | 2,337 | 1,003 | 175 | 13 | 392 | 4 | - |
| - | - | - | - | - | - | 1 | - | - | 0 | 19 | - | 0 |
| 22 | 40 | 5 | 26 | 36 | 56 | 842 | 12 | 4 | 21 | 145 | 8 | 97 |
| - | 0 | 0 | - | 0 | 6 | 1 | - | 0 | 1 | 30 | 0 | 3 |
| 0 | 6 | 0 | 0 | - | - | 7 | 0 | 2 | 0 | 8 | - | 36 |
| 11 | 8 | 2 | 13 | 22 | 7 | 40 | 5 | 9 | 11 | 15 | 23 | 105 |
| 15 | 30 | 6 | 35 | 40 | 11 | 890 | 53 | 34 | 75 | 33 | 59 | 172 |
| 39 | 42 | 10 | 23 | 29 | 6 | 82 | 13 | 18 | 50 | 54 | 29 | 100 |
| 0 | 8 | 4 | 6 | 16 | 11 | 82 | 1 | 90 | 56 | 67 | 0 | 27 |
| 31 | 57 | 24 | 61 | 86 | 14 | 45 | 46 | 11 | 114 | 196 | 19 | 6 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 1 | 0 | 0 | 5 | - | 1 | 0 | 0 | 0 | 16 | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A7.1 Domestic Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|-----|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 616 | 525 | - | 0 | - | - |
| Mining and quarrying | c2 | 179 | 0 | 0 | - | - | - |
| Food, beverages, and tobacco | c3 | 591 | 3,438 | - | 7 | 89 | 0 |
| Textiles and textile products | c4 | 47 | 24 | 8 | 0 | 8 | 22 |
| Leather, leather products, and footwear | c5 | 3 | 0 | 1 | - | 3 | 2 |
| Wood and products of wood and cork | c6 | 2 | 1 | 11 | 0 | - | 1 |
| Pulp, paper, paper products, printing, and publishing | c7 | 36 | 15 | 8 | 0 | 9 | 11 |
| Coke, refined petroleum, and nuclear fuel | c8 | 226 | 12 | 1,016 | 184 | 956 | 44 |
| Chemicals and chemical products | c9 | 85 | 15 | 29 | 0 | 5 | 14 |
| Rubber and plastics | c10 | 59 | 7 | 89 | 0 | 29 | 1 |
| Other nonmetallic minerals | c11 | 2 | 21 | - | - | - | 0 |
| Basic metals and fabricated metal | c12 | 100 | 2 | 164 | 1 | 5 | 41 |
| Machinery, nec | c13 | 7 | 0 | 0 | 0 | - | 2 |
| Electrical and optical equipment | c14 | 54 | 21 | 322 | 10 | 4 | 41 |
| Transport equipment | c15 | 4 | - | - | 0 | 44 | 3 |
| Manufacturing, nec; recycling | c16 | 46 | 27 | 17 | 2 | 33 | 59 |
| Electricity, gas, and water supply | c17 | 82 | 381 | 44 | 1 | 37 | 31 |
| Construction | c18 | - | - | - | - | - | - |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 59 | 6 | 166 | 34 | 77 | 5 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | - | 8 | 125 | 13 | 9 | 1 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 7,147 | 24 | 395 | 40 | 26 | 4 |
| Hotels and restaurants | c22 | 1 | 201 | - | - | 8 | - |
| Inland transport | c23 | 312 | 3 | 185 | 0 | - | 57 |
| Water transport | c24 | 8 | - | 1 | - | 6 | 2 |
| Air transport | c25 | 115 | 5 | 1 | 0 | 45 | 20 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 338 | 2 | 35 | 0 | 24 | 78 |
| Post and telecommunications | c27 | 550 | 5 | 25 | 10 | 24 | 20 |
| Financial intermediation | c28 | 320 | 52 | 208 | 26 | 85 | 51 |
| Real estate activities | c29 | 86 | 53 | 2 | 40 | 567 | 153 |
| Renting of M&Eq and other business activities | c30 | 20 | 47 | 16 | 20 | 322 | 83 |
| Public administration and defense; compulsory social security | c31 | - | - | - | - | - | - |
| Education | c32 | - | - | - | - | - | - |
| Health and social work | c33 | - | - | 4 | 0 | - | - |
| Other community, social, and personal services | c34 | 0 | 40 | 1 | 0 | 5 | 78 |
| Private households with employed persons | c35 | - | - | - | - | - | - |

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Table A7.1 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| - | - | - | - | 2 | 17 | 79 | - | - | 5,742 | - |
| - | - | 1 | 1 | - | 0 | - | - | - | 8 | - |
| 0 | 1 | - | 188 | 76 | 49 | 384 | - | - | 33,257 | - |
| 14 | 3 | - | 16 | 1 | 26 | 33 | 206 | 0 | 2,807 | - |
| 1 | - | - | 4 | 0 | 1 | 0 | 37 | - | 203 | - |
| 2 | - | 6 | 1 | 3 | 0 | 0 | 12 | 0 | 114 | - |
| 10 | 198 | 7 | 246 | 18 | 160 | 19 | 79 | 0 | 277 | - |
| 51 | 119 | 54 | 208 | 49 | 84 | 11 | 145 | 0 | 1,166 | - |
| 33 | 79 | 15 | 56 | 8 | 41 | 257 | 128 | 0 | 845 | - |
| 11 | 7 | 0 | 20 | 24 | 3 | 6 | 10 | 0 | 795 | - |
| 3 | - | 63 | 92 | 11 | 12 | 9 | 0 | - | 97 | - |
| 74 | - | 2 | 36 | 40 | 5 | 7 | 6 | 0 | 8 | - |
| - | - | - | 6 | - | - | - | 7 | - | - | - |
| 553 | 5 | 3 | 129 | 1 | 68 | 50 | 121 | 0 | 611 | - |
| 0 | - | - | - | - | 3 | - | 1 | - | 1,149 | - |
| 14 | 24 | 4 | 76 | 0 | 27 | 10 | 113 | 0 | 2,310 | - |
| 120 | 213 | 20 | 1,085 | 72 | 212 | 337 | 428 | 1 | 2,064 | - |
| - | - | - | - | - | - | - | - | - | 523 | - |
| 54 | 4 | 8 | 2 | 8 | 1 | 1 | 100 | - | 195 | - |
| 59 | 3 | 0 | 118 | 47 | 11 | 92 | 17 | 0 | 15,386 | - |
| 178 | 10 | 1 | 355 | 140 | 33 | 277 | 52 | 0 | 6,411 | - |
| 55 | 148 | 17 | 250 | 123 | 74 | 9 | 151 | 2 | 3,759 | - |
| 27 | - | 24 | 352 | 21 | 26 | 11 | 65 | 0 | 5,026 | - |
| 6 | 3 | 1 | - | 0 | 0 | - | - | - | 600 | - |
| 53 | 180 | 3 | 119 | 5 | 56 | 35 | 24 | - | 2,911 | - |
| 6 | 3 | 0 | 21 | 9 | 0 | 9 | 1 | - | 805 | - |
| 397 | 212 | 14 | 556 | 577 | 53 | 18 | 90 | 0 | 4,858 | - |
| 163 | 1,412 | 330 | 1,715 | 946 | 376 | 241 | 186 | 0 | 10,205 | - |
| 507 | 1,531 | 53 | 2,056 | 144 | 40 | 34 | 120 | 0 | 10,787 | - |
| 423 | 1,414 | 166 | 1,145 | 285 | 18 | 125 | 284 | 0 | 4,056 | - |
| - | - | - | - | 1,007 | - | - | - | - | - | - |
| - | - | 0 | 16 | - | 48 | 100 | 1 | - | 4,631 | - |
| - | - | - | - | 74 | 0 | 212 | - | - | 2,976 | - |
| 0 | 67 | 3 | 1,161 | 29 | 33 | 11 | 779 | - | 5,169 | - |
| - | - | - | - | - | - | - | - | 1 | 38 | - |

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Table A7.1 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|---------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | 3,522 | 666 | 1,061 | 36,107 |
| Mining and quarrying | c2 | - | - | 41 | 204 | 4,149 |
| Food, beverages, and tobacco | c3 | - | - | 2,127 | 7,957 | 61,168 |
| Textiles and textile products | c4 | - | - | 154 | 830 | 5,635 |
| Leather, leather products, and footwear | c5 | - | - | (334) | 370 | 528 |
| Wood and products of wood and cork | c6 | - | - | 1 | 357 | 1,524 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | 9 | 179 | 181 | 2,516 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | - | 418 | 462 | 11,570 |
| Chemicals and chemical products | c9 | - | - | 396 | 733 | 8,071 |
| Rubber and plastics | c10 | - | - | 241 | 344 | 2,232 |
| Other nonmetallic minerals | c11 | - | - | 110 | 1,466 | 4,059 |
| Basic metals and fabricated metal | c12 | - | 74 | (286) | 1,402 | 7,679 |
| Machinery, nec | c13 | - | 823 | (54) | 1,177 | 2,056 |
| Electrical and optical equipment | c14 | - | 3,553 | 2,085 | 15,773 | 36,583 |
| Transport equipment | c15 | - | 2,060 | (58) | 584 | 3,836 |
| Manufacturing, nec; recycling | c16 | - | 371 | 216 | 517 | 4,336 |
| Electricity, gas, and water supply | c17 | - | - | 84 | 0 | 10,485 |
| Construction | c18 | - | 21,716 | (488) | 55 | 21,806 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | - | 131 | 0 | 1,780 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | - | - | (11,850) | 348 | 10,819 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | - | 10,549 | 1,045 | 38,515 |
| Hotels and restaurants | c22 | - | - | 297 | 3,412 | 8,579 |
| Inland transport | c23 | - | - | (461) | 211 | 7,648 |
| Water transport | c24 | - | - | 75 | 100 | 884 |
| Air transport | c25 | - | - | (62) | 298 | 3,907 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | - | (21) | 422 | 2,202 |
| Post and telecommunications | c27 | - | - | (540) | 710 | 9,551 |
| Financial intermediation | c28 | - | - | 1,192 | 941 | 19,913 |
| Real estate activities | c29 | - | - | (11,978) | 71 | 4,839 |
| Renting of M&Eq and other business activities | c30 | - | 2,858 | 5,088 | 10,815 | 28,520 |
| Public administration and defense; compulsory social security | c31 | 11,798 | - | (886) | 262 | 12,181 |
| Education | c32 | 4,611 | - | 247 | 24 | 9,680 |
| Health and social work | c33 | 1,942 | - | 214 | 22 | 5,506 |
| Other community, social, and personal services | c34 | - | 145 | 440 | 388 | 8,403 |
| Private households with employed persons | c35 | - | 0 | 1 | - | 39 |

continued on next page

Table A7.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 73 | 0 | 408 | 1 | 0 | 3 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 63 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 195 | 0 | 893 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 39 | 0 | 59 | 452 | 63 | 6 | 13 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 1 | 70 | 4 | 2 | 1 |
| Wood and products of wood and cork | m6 | 16 | 8 | 14 | 3 | 0 | 40 | 11 |
| Pulp, paper, paper products, printing, and publishing | m7 | 14 | 16 | 245 | 23 | 1 | 7 | 236 |
| Coke, refined petroleum, and nuclear fuel | m8 | 105 | 81 | 148 | 89 | 1 | 25 | 14 |
| Chemicals and chemical products | m9 | 717 | 60 | 586 | 108 | 2 | 60 | 112 |
| Rubber and plastics | m10 | 3 | 5 | 35 | 50 | 17 | 0 | 4 |
| Other nonmetallic minerals | m11 | 0 | 2 | 19 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 41 | 43 | 33 | 4 | 1 | 3 | 12 |
| Machinery, nec | m13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 66 | 23 | 28 | 11 | 2 | 2 | 6 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 1 | 3 | 5 | 0 | 0 | 1 | 2 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 7 | 0 | 8 | 2 | 1 | 1 | 2 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 2 | 0 | 10 | 1 | 0 | 1 | 1 |
| Hotels and restaurants | m22 | 0 | 0 | 16 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 39 | 1 | 6 | 2 | 0 | 1 | 1 |
| Air transport | m25 | 6 | 0 | 12 | 2 | 0 | 1 | 1 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 5 | 4 | 5 | 1 | 0 | 1 | 0 |
| Post and telecommunications | m27 | 3 | 1 | 8 | 1 | 0 | 0 | 1 |
| Financial intermediation | m28 | 24 | 1 | 12 | 1 | 0 | 0 | 0 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 9 | 3 | 3 | 1 | 0 | 0 | 1 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 11,529 | 1,295 | 41,234 | 3,309 | 345 | 1,063 | 1,889 |
| Taxes less subsidies on products | r99 | - | - | - | - | - | - | - |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 24,578 | 2,854 | 19,934 | 2,325 | 183 | 461 | 627 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 36,107 | 4,149 | 61,168 | 5,635 | 528 | 1,524 | 2,516 |

continued on next page

Table A7.1 Import Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 5 | 3 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 4,039 | 1 | 0 | 386 | 910 | 0 | 21 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | 0 | 9 | 11 | 7 | 4 | 1 | 27 |
| Leather, leather products, and footwear | m5 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| Wood and products of wood and cork | m6 | 1 | 17 | 1 | 19 | 6 | 4 | 9 |
| Pulp, paper, paper products, printing, and publishing | m7 | 12 | 97 | 6 | 20 | 16 | 16 | 56 |
| Coke, refined petroleum, and nuclear fuel | m8 | 363 | 262 | 94 | 136 | 345 | 57 | 186 |
| Chemicals and chemical products | m9 | 44 | 1,075 | 161 | 84 | 119 | 16 | 288 |
| Rubber and plastics | m10 | 0 | 2 | 54 | 11 | 5 | 12 | 11 |
| Other nonmetallic minerals | m11 | 0 | 3 | 0 | 25 | 0 | 0 | 4 |
| Basic metals and fabricated metal | m12 | 14 | 12 | 4 | 21 | 582 | 171 | 332 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 53 | 0 |
| Electrical and optical equipment | m14 | 5 | 16 | 3 | 12 | 23 | 15 | 6,938 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | 2 | 0 | 3 | 2 | 0 | 4 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 11 | 9 | 4 | 2 | 6 | 2 | 81 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 1 | 1 | 0 | 1 | 2 | 1 | 5 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Water transport | m24 | 4 | 2 | 1 | 1 | 5 | 6 | 7 |
| Air transport | m25 | 1 | 4 | 1 | 0 | 2 | 1 | 14 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 1 | 1 | 0 | 1 | 2 | 0 | 3 |
| Post and telecommunications | m27 | 0 | 1 | 0 | 1 | 2 | 0 | 20 |
| Financial intermediation | m28 | 2 | 2 | 0 | 1 | 2 | 0 | 4 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 1 | 1 | 1 | 1 | 2 | 0 | 6 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 8,586 | 5,476 | 1,616 | 2,913 | 6,205 | 1,504 | 28,868 |
| Taxes less subsidies on products | r99 | - | - | - | - | - | - | - |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 2,984 | 2,595 | 616 | 1,146 | 1,474 | 552 | 7,715 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 11,570 | 8,071 | 2,232 | 4,059 | 7,679 | 2,056 | 36,583 |

continued on next page

Table A7.1 Import Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|---------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | | | | | |
| 0 | 7 | 0 | 1 | 0 | 6 | 22 | 11 | 0 | 0 | 0 | 0 |
| 0 | 48 | 58 | 143 | 0 | 28 | 93 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 18 | 58 | 286 | 0 | 1 | 7 | 0 |
| 0 | 74 | 2 | 8 | 2 | 11 | 37 | 12 | 4 | 0 | 4 | 11 |
| 0 | 33 | 1 | 7 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 1 |
| 1 | 506 | 0 | 650 | 0 | 1 | 3 | 1 | 13 | 0 | 0 | 1 |
| 2 | 57 | 19 | 20 | 1 | 11 | 36 | 12 | 7 | 0 | 7 | 8 |
| 13 | 27 | 241 | 172 | 7 | 37 | 127 | 4 | 359 | 40 | 326 | 13 |
| 29 | 102 | 37 | 34 | 3 | 27 | 93 | 10 | 20 | 1 | 3 | 9 |
| 29 | 6 | 3 | 18 | 1 | 13 | 43 | 3 | 41 | 1 | 13 | 2 |
| 0 | 1 | 0 | 89 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 159 | 54 | 20 | 1,469 | 2 | 18 | 61 | 1 | 80 | 0 | 2 | 19 |
| 62 | 0 | 1 | 0 | 0 | 4 | 13 | 0 | 0 | 0 | 0 | 3 |
| 162 | 29 | 99 | 58 | 42 | 11 | 37 | 12 | 177 | 19 | 8 | 30 |
| 47 | 0 | 0 | 2 | 0 | 1 | 5 | 0 | 0 | 0 | 49 | 3 |
| 0 | 28 | 2 | 2 | 3 | 3 | 9 | 3 | 2 | 0 | 4 | 7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 1 | 5 | 6 | 0 | 9 | 0 | 3 | 1 | 4 | 2 | 1 |
| 2 | 1 | 0 | 1 | 0 | 0 | 30 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 6 | 0 | 0 | 0 | 55 | 0 | 0 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 1 | 2 | 33 | 0 | 9 | 12 | 1 | 1 | 2 | 6 | 2 |
| 3 | 1 | 1 | 4 | 0 | 19 | 60 | 2 | 0 | 2 | 17 | 7 |
| 0 | 1 | 1 | 1 | 2 | 10 | 36 | 0 | 3 | 0 | 2 | 6 |
| 1 | 1 | 3 | 1 | 2 | 6 | 20 | 0 | 1 | 0 | 1 | 0 |
| 1 | 1 | 3 | 4 | 1 | 10 | 16 | 2 | 8 | 1 | 3 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 3 | 5 | 0 | 2 | 1 | 1 | 0 | 2 | 7 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 2,981 | 3,000 | 3,357 | 9,586 | 749 | 3,787 | 11,913 | 5,359 | 3,592 | 464 | 2,883 | 954 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 855 | 1,336 | 7,128 | 12,220 | 1,031 | 7,032 | 26,603 | 3,220 | 4,056 | 420 | 1,024 | 1,249 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 3,836 | 4,336 | 10,485 | 21,806 | 1,780 | 10,819 | 38,515 | 8,579 | 7,648 | 884 | 3,907 | 2,202 |

continued on next page

Table A7.1 Import Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 1 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 0 | 16 | 6 |
| Textiles and textile products | m4 | 8 | 2 | 0 | 9 | 1 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 2 | 0 |
| Wood and products of wood and cork | m6 | 3 | 0 | 8 | 1 | 4 |
| Pulp, paper, paper products, printing, and publishing | m7 | 8 | 163 | 6 | 203 | 14 |
| Coke, refined petroleum, and nuclear fuel | m8 | 18 | 41 | 20 | 72 | 15 |
| Chemicals and chemical products | m9 | 22 | 53 | 10 | 42 | 5 |
| Rubber and plastics | m10 | 5 | 3 | 0 | 9 | 10 |
| Other nonmetallic minerals | m11 | 0 | 0 | 4 | 6 | 1 |
| Basic metals and fabricated metal | m12 | 36 | 0 | 1 | 17 | 18 |
| Machinery, nec | m13 | 0 | 0 | 0 | 9 | 0 |
| Electrical and optical equipment | m14 | 315 | 4 | 2 | 72 | 16 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 2 | 3 | 1 | 11 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 2 | 0 | 4 | 2 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 1 | 0 |
| Hotels and restaurants | m22 | 16 | 42 | 5 | 70 | 30 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 6 | 3 | 1 | 1 | 1 |
| Air transport | m25 | 20 | 68 | 1 | 45 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | 2 | 1 |
| Post and telecommunications | m27 | 11 | 6 | 0 | 15 | 14 |
| Financial intermediation | m28 | 7 | 56 | 13 | 68 | 36 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 9 | 29 | 3 | 24 | 7 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 19 |
| Education | m32 | 0 | 0 | 0 | 2 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 6 |
| Other community, social, and personal services | m34 | 0 | 3 | 0 | 47 | 1 |
| Private households with employed persons | m35 | - | - | - | - | - |
| Total intermediate consumption | r60 | 3,305 | 6,115 | 873 | 10,781 | 3,927 |
| Taxes less subsidies on products | r99 | - | - | - | - | - |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | 6,246 | 13,798 | 3,966 | 17,739 | 8,253 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 9,551 | 19,913 | 4,839 | 28,520 | 12,181 |

continued on next page

Table A7.1 Import Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------------|----------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 0 | 2 | 0 | 0 | 122 | - | 0 | 73 | 12 | - | 749 |
| 0 | 0 | 0 | 0 | 9 | - | 0 | 0 | 56 | - | 5,856 |
| 4 | 31 | 0 | 0 | 2,814 | - | 0 | 0 | 169 | - | 4,498 |
| 14 | 17 | 110 | 0 | 1,610 | - | 0 | 0 | 77 | - | 2,704 |
| 0 | 0 | 18 | - | 113 | - | 0 | 0 | (99) | - | 162 |
| 0 | 1 | 14 | 0 | 127 | - | 0 | 0 | 1 | - | 1,484 |
| 131 | 15 | 64 | 0 | 232 | - | 0 | 8 | 142 | - | 1,932 |
| 28 | 4 | 48 | 0 | 407 | - | - | 0 | 136 | - | 4,057 |
| 27 | 177 | 86 | 0 | 589 | - | 0 | 1 | 259 | - | 5,071 |
| 2 | 3 | 4 | 0 | 372 | - | 0 | 1 | 105 | - | 894 |
| 1 | 1 | 0 | 0 | 7 | - | 0 | 0 | 7 | - | 171 |
| 2 | 4 | 3 | 0 | 4 | - | 0 | 36 | (120) | - | 3,163 |
| 0 | 0 | 11 | 0 | 0 | - | 0 | 1,197 | (69) | - | 1,283 |
| 38 | 28 | 81 | 0 | 332 | - | 0 | 2,042 | 1,117 | - | 11,885 |
| 4 | 0 | 1 | 0 | 1,307 | - | - | 2,321 | (42) | - | 3,699 |
| 4 | 1 | 17 | 0 | 313 | - | 0 | 42 | 29 | - | 511 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 15 | (0) | - | 16 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 2 | 5 | 3 | 0 | 52 | - | 0 | 45 | (10) | - | 280 |
| 0 | 1 | 0 | 0 | 16 | - | 0 | 0 | 24 | - | 104 |
| 21 | 2 | 41 | 0 | 1,083 | - | 0 | 0 | 70 | - | 1,461 |
| 0 | 0 | 0 | 0 | 12 | - | 0 | 0 | (0) | - | 16 |
| 1 | 1 | 1 | - | 640 | - | - | 2 | 62 | - | 863 |
| 21 | 13 | 9 | - | 1,119 | - | - | 2 | (12) | - | 1,449 |
| 0 | 1 | 0 | - | 63 | - | 0 | 0 | (1) | - | 151 |
| 1 | 0 | 2 | 0 | 134 | - | 0 | 0 | (6) | - | 254 |
| 15 | 9 | 7 | 0 | 413 | - | - | 0 | 44 | - | 772 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 3 | 3 | 7 | 0 | 85 | - | 0 | 36 | 99 | - | 361 |
| 0 | 0 | 0 | - | 0 | - | 275 | 0 | (6) | - | 288 |
| 6 | 12 | 0 | 0 | 567 | - | 598 | 0 | 27 | - | 1,212 |
| 0 | 17 | 0 | - | 256 | - | 180 | 0 | 17 | - | 481 |
| 1 | 0 | 30 | 0 | 220 | - | 0 | 6 | 16 | - | 331 |
| - | - | - | 0 | 1 | - | - | 0 | 0 | - | 1 |
| 1,805 | 2,724 | 3,722 | 4 | 142,808 | - | 19,404 | 40,961 | 36 | 52,542 | 453,467 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 7,874 | 2,782 | 4,681 | 34 | - | - | - | - | - | - | 199,591 |
| - | - | - | - | - | - | - | - | - | - | - |
| 9,680 | 5,506 | 8,403 | 39 | 142,808 | - | 19,404 | 40,961 | 36 | 52,542 | 653,058 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A7.2: Philippines Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 3,717 | 1 | 25,994 | 27 | 10 | 113 | 29 |
| Mining and quarrying | c2 | 0 | 0 | 113 | - | 0 | - | - |
| Food, beverages, and tobacco | c3 | 3,092 | 3 | 18,128 | 206 | 42 | 36 | 248 |
| Textiles and textile products | c4 | 68 | 0 | 131 | 559 | 113 | 9 | 29 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 3 | 112 | 9 | 4 | 2 |
| Wood and products of wood and cork | c6 | 15 | 4 | 17 | 2 | 0 | 20 | 13 |
| Pulp, paper, paper products, printing, and publishing | c7 | 26 | 17 | 581 | 32 | 2 | 12 | 699 |
| Coke, refined petroleum, and nuclear fuel | c8 | 277 | 124 | 487 | 155 | 2 | 38 | 52 |
| Chemicals and chemical products | c9 | 2,478 | 122 | 2,527 | 239 | 9 | 147 | 449 |
| Rubber and plastics | c10 | 6 | 7 | 103 | 93 | 35 | 0 | 12 |
| Other nonmetallic minerals | c11 | 5 | 18 | 457 | 0 | - | 1 | 2 |
| Basic metals and fabricated metal | c12 | 107 | 69 | 111 | 8 | 2 | 9 | 45 |
| Machinery, nec | c13 | 0 | - | - | - | - | - | - |
| Electrical and optical equipment | c14 | 130 | 27 | 71 | 16 | 5 | 4 | 17 |
| Transport equipment | c15 | - | 0 | - | - | - | - | - |
| Manufacturing, nec; recycling | c16 | 7 | 11 | 182 | 8 | 4 | 6 | 24 |
| Electricity, gas, and water supply | c17 | 251 | 105 | 1,066 | 81 | 20 | 26 | 154 |
| Construction | c18 | - | - | - | - | - | - | - |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 10 | 1 | 336 | 20 | 2 | 8 | 38 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 139 | 7 | 932 | 73 | 6 | 63 | 130 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1,018 | 55 | 6,813 | 536 | 42 | 457 | 776 |
| Hotels and restaurants | c22 | 2 | 0 | 96 | 1 | - | - | - |
| Inland transport | c23 | 339 | 28 | 170 | 9 | 1 | 2 | 11 |
| Water transport | c24 | 26 | 1 | 0 | 1 | - | 0 | 0 |
| Air transport | c25 | 14 | 0 | 42 | 3 | 0 | 2 | 0 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 89 | 43 | 112 | 8 | 1 | 14 | 8 |
| Post and telecommunications | c27 | 113 | 27 | 396 | 28 | 2 | 14 | 33 |
| Financial intermediation | c28 | 912 | 28 | 579 | 39 | 4 | 11 | 15 |
| Real estate activities | c29 | 27 | 1 | 41 | 11 | 0 | 1 | 16 |
| Renting of M&Eq and other business activities | c30 | 575 | 121 | 506 | 67 | 3 | 15 | 108 |
| Public administration and defense; compulsory social security | c31 | - | - | - | - | - | - | - |
| Education | c32 | - | - | - | - | - | - | - |
| Health and social work | c33 | 93 | 0 | 1 | - | - | - | - |
| Other community, social, and personal services | c34 | 29 | 1 | 7 | 0 | 0 | 0 | 4 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

continued on next page

Table A7.2 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| 0 | 451 | 138 | 4 | 0 | - | - | 0 | 239 | 0 | 67 | - | 245 |
| 1,494 | 1 | - | 282 | 737 | - | 30 | - | 36 | 190 | 224 | - | 116 |
| - | 81 | - | 19 | - | 2 | 46 | 1 | 530 | - | 1,125 | 1 | 297 |
| 0 | 28 | 15 | 12 | 4 | 1 | 40 | 1 | 82 | 2 | 17 | 4 | 16 |
| - | 4 | 1 | - | 0 | 0 | 5 | 0 | 46 | 1 | 24 | 0 | 1 |
| 0 | 30 | 1 | 17 | 4 | 3 | 7 | 1 | 309 | 0 | 746 | 0 | 1 |
| 8 | 335 | 10 | 35 | 19 | 21 | 90 | 4 | 70 | 29 | 49 | 3 | 20 |
| 372 | 1,292 | 216 | 309 | 491 | 141 | 191 | 34 | 47 | 298 | 576 | 23 | 77 |
| 15 | 7,593 | 458 | 278 | 230 | 40 | 378 | 102 | 244 | 74 | 153 | 12 | 74 |
| - | 2 | 107 | 24 | 6 | 20 | 19 | 55 | 9 | 4 | 52 | 2 | 23 |
| - | 83 | 1 | 527 | 3 | 4 | 67 | 7 | 8 | 4 | 2,035 | 0 | 1 |
| 14 | 60 | 10 | 54 | 1,199 | 448 | 474 | 363 | 97 | 39 | 3,690 | 2 | 49 |
| - | - | - | - | - | 27 | - | 39 | - | 1 | - | - | 2 |
| 4 | 57 | 6 | 23 | 30 | 7 | 10,205 | 249 | 37 | 160 | 152 | 101 | 22 |
| - | - | - | - | - | - | - | 25 | - | 0 | 1 | 0 | 1 |
| 1 | 29 | 3 | 19 | 1 | 1 | 22 | 3 | 135 | 4 | 26 | 20 | 17 |
| 1 | 362 | 91 | 286 | 338 | 72 | 680 | 45 | 61 | 2,262 | 158 | 91 | 39 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5 | 60 | 10 | 13 | 33 | 13 | 167 | 39 | 8 | 24 | 36 | 582 | 30 |
| 22 | 219 | 35 | 55 | 97 | 43 | 337 | 200 | 27 | 3 | 115 | 1 | 1,527 |
| 163 | 1,638 | 258 | 401 | 710 | 315 | 2,461 | 1,502 | 198 | 22 | 843 | 8 | 2,020 |
| - | - | - | - | - | - | 1 | - | - | 0 | 37 | - | 0 |
| 9 | 84 | 4 | 28 | 31 | 50 | 375 | 14 | 4 | 25 | 224 | 11 | 133 |
| - | 0 | 0 | - | 0 | 4 | 1 | - | 0 | 1 | 28 | 0 | 2 |
| 0 | 15 | 0 | 0 | - | - | 8 | 1 | 2 | 0 | 15 | - | 57 |
| 6 | 19 | 3 | 18 | 22 | 9 | 45 | 7 | 9 | 16 | 29 | 39 | 174 |
| 6 | 57 | 5 | 34 | 31 | 11 | 390 | 56 | 25 | 83 | 46 | 76 | 212 |
| 21 | 120 | 13 | 34 | 34 | 9 | 102 | 21 | 19 | 82 | 112 | 55 | 183 |
| 0 | 7 | 2 | 3 | 5 | 5 | 29 | 0 | 27 | 26 | 39 | 0 | 14 |
| 19 | 201 | 35 | 106 | 122 | 54 | 292 | 87 | 83 | 268 | 624 | 54 | 135 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 0 | 2 | 0 | 0 | 5 | - | 1 | 0 | 0 | 0 | 29 | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A7.2 Domestic Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|-----|--|---------------------------|---------------------|--------------------|------------------|---|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 826 | 767 | – | 0 | – | – |
| Mining and quarrying | c2 | 228 | 0 | 1 | – | – | – |
| Food, beverages, and tobacco | c3 | 1,000 | 6,150 | – | 9 | 67 | 17 |
| Textiles and textile products | c4 | 54 | 30 | 8 | 0 | 9 | 32 |
| Leather, leather products, and footwear | c5 | 5 | 0 | 1 | – | 4 | 4 |
| Wood and products of wood and cork | c6 | 3 | 1 | 13 | 0 | – | 1 |
| Pulp, paper, paper products, printing, and publishing | c7 | 69 | 32 | 14 | 0 | 17 | 23 |
| Coke, refined petroleum, and nuclear fuel | c8 | 258 | 15 | 1,002 | 161 | 1,092 | 60 |
| Chemicals and chemical products | c9 | 249 | 48 | 75 | 1 | 14 | 56 |
| Rubber and plastics | c10 | 78 | 10 | 103 | 0 | 40 | 1 |
| Other nonmetallic minerals | c11 | 3 | 35 | – | – | – | 0 |
| Basic metals and fabricated metal | c12 | 164 | 2 | 205 | 1 | 8 | 80 |
| Machinery, nec | c13 | 7 | 0 | 0 | 0 | – | 3 |
| Electrical and optical equipment | c14 | 74 | 32 | 372 | 10 | 6 | 67 |
| Transport equipment | c15 | 3 | – | – | 0 | 33 | 2 |
| Manufacturing, nec; recycling | c16 | 263 | 36 | 32 | 2 | 41 | 85 |
| Electricity, gas, and water supply | c17 | 132 | 666 | 62 | 2 | 61 | 64 |
| Construction | c18 | – | – | – | – | – | – |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 102 | 11 | 251 | 45 | 137 | 10 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | – | 7 | 90 | 8 | 7 | 1 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 11,559 | 52 | 572 | 46 | 111 | 13 |
| Hotels and restaurants | c22 | 2 | 405 | – | – | 15 | – |
| Inland transport | c23 | 447 | 4 | 232 | 0 | – | 100 |
| Water transport | c24 | 7 | – | 0 | – | 5 | 2 |
| Air transport | c25 | 193 | 9 | 2 | 0 | 77 | 44 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 586 | 4 | 53 | 1 | 43 | 160 |
| Post and telecommunications | c27 | 714 | 7 | 29 | 10 | 32 | 28 |
| Financial intermediation | c28 | 616 | 109 | 351 | 38 | 168 | 120 |
| Real estate activities | c29 | 46 | 31 | 1 | 17 | 296 | 95 |
| Renting of M&Eq and other business activities | c30 | 454 | 165 | 48 | 68 | 1,305 | 449 |
| Public administration and defense; compulsory social security | c31 | – | – | – | – | – | – |
| Education | c32 | – | – | – | – | – | – |
| Health and social work | c33 | – | – | 7 | 0 | – | – |
| Other community, social, and personal services | c34 | 0 | 72 | 1 | 0 | 8 | 154 |
| Private households with employed persons | c35 | – | – | – | – | – | – |

continued on next page

Table A7.2 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| - | - | - | - | 2 | 21 | 113 | - | - | 6,661 | - |
| - | - | 2 | 3 | - | 0 | - | - | - | 16 | - |
| 10 | 142 | 18 | 529 | 116 | 181 | 705 | 142 | 0 | 52,120 | - |
| 11 | 3 | - | 20 | 1 | 28 | 40 | 197 | 0 | 2,892 | - |
| 1 | - | - | 5 | 0 | 1 | 1 | 50 | - | 259 | - |
| 2 | - | 11 | 1 | 3 | 0 | 1 | 16 | 0 | 148 | - |
| 14 | 373 | 18 | 510 | 29 | 258 | 39 | 147 | 0 | 497 | - |
| 41 | 133 | 77 | 258 | 46 | 87 | 13 | 159 | 0 | 2,123 | - |
| 69 | 227 | 54 | 179 | 18 | 109 | 807 | 362 | 0 | 3,865 | - |
| 10 | 8 | 0 | 29 | 25 | 4 | 8 | 13 | 0 | 1,268 | - |
| 3 | - | 123 | 157 | 14 | 18 | 15 | 0 | - | 141 | - |
| 64 | - | 3 | 56 | 54 | 3 | 10 | 1 | 0 | 12 | - |
| - | - | - | 7 | - | - | - | 8 | - | - | - |
| 504 | 7 | 6 | 192 | 1 | 85 | 74 | 161 | 0 | 627 | - |
| 0 | - | - | - | - | 2 | - | 1 | - | 589 | - |
| 12 | 28 | 6 | 100 | 0 | 30 | 12 | 132 | 0 | 2,128 | - |
| 139 | 337 | 40 | 1,891 | 94 | 311 | 580 | 596 | 1 | 2,934 | - |
| - | - | - | - | - | - | - | - | - | 159 | - |
| 67 | 8 | 18 | 3 | 11 | 2 | 3 | 167 | - | 320 | - |
| 35 | 3 | 0 | 105 | 31 | 8 | 81 | 14 | 0 | 12,664 | - |
| 255 | 19 | 2 | 768 | 229 | 64 | 590 | 102 | 0 | 21,525 | - |
| 73 | 269 | 38 | 500 | 187 | 126 | 18 | 270 | 3 | 7,152 | - |
| 28 | - | 43 | 548 | 25 | 34 | 17 | 90 | 0 | 7,980 | - |
| 4 | 3 | 1 | - | 0 | 0 | - | - | - | 1,063 | - |
| 65 | 299 | 6 | 217 | 7 | 87 | 63 | 40 | - | 5,335 | - |
| 7 | 5 | 0 | 39 | 13 | 0 | 16 | 1 | - | 1,630 | - |
| 312 | 271 | 22 | 785 | 589 | 63 | 25 | 114 | 0 | 6,237 | - |
| 226 | 2,621 | 976 | 3,555 | 1,454 | 622 | 497 | 345 | 0 | 19,483 | - |
| 171 | 796 | 35 | 1,192 | 63 | 20 | 20 | 62 | 0 | 7,462 | - |
| 992 | 4,397 | 397 | 5,190 | 694 | 63 | 299 | 617 | 0 | 14,727 | - |
| - | - | - | - | 1,844 | - | - | - | - | - | - |
| - | - | 1 | 35 | - | 86 | 208 | 3 | - | 8,396 | - |
| - | - | - | - | 117 | 1 | 436 | - | - | 6,446 | - |
| 0 | 109 | 7 | 2,073 | 39 | 50 | 20 | 1,185 | - | 8,242 | - |
| - | - | - | - | - | - | - | - | 1 | 59 | - |

continued on next page

Table A7.2 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|---------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | 4,431 | (61) | 1,336 | 45,129 |
| Mining and quarrying | c2 | - | - | 50 | 282 | 3,804 |
| Food, beverages, and tobacco | c3 | - | 11 | (2) | 11,467 | 96,538 |
| Textiles and textile products | c4 | - | - | (1) | 1,063 | 5,517 |
| Leather, leather products, and footwear | c5 | - | - | 14 | 153 | 712 |
| Wood and products of wood and cork | c6 | - | - | (15) | 227 | 1,607 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | 27 | (1) | 337 | 4,466 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | - | 25 | 364 | 11,115 |
| Chemicals and chemical products | c9 | - | - | (1) | 1,035 | 22,788 |
| Rubber and plastics | c10 | - | - | (0) | 435 | 2,613 |
| Other nonmetallic minerals | c11 | - | - | 31 | 1,434 | 5,197 |
| Basic metals and fabricated metal | c12 | - | 83 | (16) | 2,581 | 10,161 |
| Machinery, nec | c13 | - | 1,024 | (58) | 1,706 | 2,768 |
| Electrical and optical equipment | c14 | - | 7,074 | (6) | 16,417 | 37,024 |
| Transport equipment | c15 | - | 2,581 | 3 | 1,663 | 4,905 |
| Manufacturing, nec; recycling | c16 | - | 660 | (191) | 439 | 4,332 |
| Electricity, gas, and water supply | c17 | - | - | 71 | 11 | 14,181 |
| Construction | c18 | - | 38,759 | (237) | 288 | 38,968 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | - | 366 | 2 | 2,959 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | - | - | 8 | 256 | 17,351 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | 5,816 | 105 | 2,614 | 64,680 |
| Hotels and restaurants | c22 | - | - | 63 | 6,012 | 15,270 |
| Inland transport | c23 | - | 401 | 1 | 275 | 11,777 |
| Water transport | c24 | - | - | (0) | 80 | 1,228 |
| Air transport | c25 | - | - | (0) | 489 | 7,092 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | - | 45 | 1,412 | 4,683 |
| Post and telecommunications | c27 | - | - | (2) | 704 | 11,585 |
| Financial intermediation | c28 | - | - | 2,385 | 637 | 36,594 |
| Real estate activities | c29 | - | - | 588 | 42 | 11,190 |
| Renting of M&Eq and other business activities | c30 | 1,504 | 810 | 22 | 19,120 | 54,794 |
| Public administration and defense; compulsory social security | c31 | 20,964 | - | (4,295) | 375 | 18,888 |
| Education | c32 | 6,818 | - | (496) | 61 | 15,112 |
| Health and social work | c33 | 3,262 | - | (3) | 54 | 10,415 |
| Other community, social, and personal services | c34 | - | 355 | (0) | 925 | 13,321 |
| Private households with employed persons | c35 | - | - | - | 3 | 63 |

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Table A7.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 300 | 0 | 1,896 | 2 | 1 | 9 | 2 |
| Mining and quarrying | m2 | 0 | 0 | 89 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 313 | 0 | 1,776 | 23 | 4 | 4 | 30 |
| Textiles and textile products | m4 | 60 | 0 | 94 | 440 | 84 | 8 | 27 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 3 | 113 | 8 | 4 | 3 |
| Wood and products of wood and cork | m6 | 5 | 2 | 5 | 1 | 0 | 7 | 5 |
| Pulp, paper, paper products, printing, and publishing | m7 | 6 | 5 | 119 | 7 | 0 | 3 | 156 |
| Coke, refined petroleum, and nuclear fuel | m8 | 301 | 192 | 523 | 163 | 2 | 43 | 61 |
| Chemicals and chemical products | m9 | 126 | 7 | 102 | 12 | 1 | 6 | 20 |
| Rubber and plastics | m10 | 6 | 10 | 98 | 87 | 32 | 0 | 13 |
| Other nonmetallic minerals | m11 | 0 | 2 | 40 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 82 | 61 | 80 | 6 | 2 | 7 | 35 |
| Machinery, nec | m13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Electrical and optical equipment | m14 | 133 | 33 | 70 | 16 | 5 | 4 | 18 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 2 | 4 | 41 | 1 | 0 | 2 | 7 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 10 | 0 | 13 | 4 | 0 | 1 | 3 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 39 | 3 | 247 | 21 | 2 | 18 | 32 |
| Hotels and restaurants | m22 | 1 | 0 | 30 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 14 | 0 | 6 | 1 | 0 | 1 | 1 |
| Air transport | m25 | 7 | 0 | 16 | 2 | 0 | 1 | 1 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 6 | 4 | 7 | 1 | 0 | 1 | 1 |
| Post and telecommunications | m27 | 4 | 1 | 14 | 1 | 0 | 1 | 1 |
| Financial intermediation | m28 | 41 | 1 | 24 | 2 | 0 | 0 | 1 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 25 | 5 | 17 | 2 | 0 | 1 | 5 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 15,058 | 1,154 | 65,313 | 3,240 | 456 | 1,132 | 3,338 |
| Taxes less subsidies on products | r99 | - | - | - | - | - | - | - |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 30,072 | 2,650 | 31,225 | 2,278 | 256 | 475 | 1,128 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 45,129 | 3,804 | 96,538 | 5,517 | 712 | 1,607 | 4,466 |

continued on next page

Table A7.2 Imports Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 42 | 12 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 5,272 | 2 | 0 | 657 | 1,785 | 0 | 50 |
| Food, beverages, and tobacco | m3 | 0 | 9 | 0 | 2 | 0 | 0 | 6 |
| Textiles and textile products | m4 | 0 | 23 | 12 | 8 | 6 | 2 | 39 |
| Leather, leather products, and footwear | m5 | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| Wood and products of wood and cork | m6 | 0 | 11 | 0 | 5 | 2 | 1 | 3 |
| Pulp, paper, paper products, printing, and publishing | m7 | 3 | 83 | 2 | 7 | 5 | 6 | 22 |
| Coke, refined petroleum, and nuclear fuel | m8 | 760 | 1,586 | 249 | 309 | 1,084 | 189 | 232 |
| Chemicals and chemical products | m9 | 13 | 384 | 56 | 10 | 15 | 4 | 22 |
| Rubber and plastics | m10 | 0 | 3 | 111 | 22 | 11 | 24 | 20 |
| Other nonmetallic minerals | m11 | 0 | 9 | 0 | 45 | 1 | 1 | 7 |
| Basic metals and fabricated metal | m12 | 21 | 53 | 8 | 39 | 1,017 | 395 | 377 |
| Machinery, nec | m13 | 0 | 0 | 0 | 0 | 0 | 97 | 0 |
| Electrical and optical equipment | m14 | 7 | 63 | 6 | 21 | 41 | 16 | 11,976 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | 11 | 1 | 7 | 0 | 0 | 8 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 7 | 16 | 6 | 1 | 5 | 2 | 67 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 12 | 74 | 10 | 16 | 52 | 15 | 108 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 3 | 2 | 1 | 1 | 2 | 3 | 6 |
| Air transport | m25 | 1 | 7 | 1 | 0 | 1 | 1 | 17 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 1 | 2 | 0 | 1 | 3 | 1 | 4 |
| Post and telecommunications | m27 | 0 | 2 | 0 | 1 | 2 | 0 | 16 |
| Financial intermediation | m28 | 2 | 6 | 1 | 1 | 2 | 1 | 6 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 1 | 8 | 2 | 4 | 6 | 2 | 16 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 8,264 | 15,232 | 1,900 | 3,738 | 8,195 | 2,063 | 29,472 |
| Taxes less subsidies on products | r99 | - | - | - | - | - | - | - |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 2,852 | 7,556 | 713 | 1,460 | 1,966 | 705 | 7,552 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 11,115 | 22,788 | 2,613 | 5,197 | 10,161 | 2,768 | 37,024 |

continued on next page

Table A7.2 Imports Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|---------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | | | | | |
| 0 | 21 | 0 | 8 | 0 | 38 | 104 | 56 | 0 | 0 | 0 | 0 |
| 0 | 53 | 80 | 357 | 0 | 60 | 111 | 0 | 0 | 0 | 0 | 0 |
| 0 | 69 | 0 | 168 | 0 | 36 | 107 | 551 | 0 | 1 | 5 | 2 |
| 1 | 69 | 3 | 18 | 4 | 18 | 53 | 22 | 6 | 0 | 6 | 28 |
| 0 | 48 | 1 | 32 | 0 | 2 | 5 | 0 | 1 | 0 | 3 | 4 |
| 1 | 123 | 0 | 352 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 |
| 1 | 17 | 7 | 14 | 1 | 4 | 14 | 6 | 3 | 0 | 3 | 5 |
| 44 | 57 | 604 | 864 | 27 | 138 | 388 | 16 | 1,307 | 183 | 1,415 | 83 |
| 9 | 11 | 4 | 10 | 1 | 3 | 14 | 3 | 3 | 1 | 0 | 3 |
| 66 | 10 | 7 | 67 | 3 | 36 | 101 | 10 | 115 | 1 | 44 | 2 |
| 1 | 1 | 1 | 246 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| 294 | 73 | 32 | 3,227 | 1 | 38 | 118 | 2 | 139 | 0 | 5 | 63 |
| 133 | 0 | 2 | 0 | 0 | 7 | 21 | 0 | 0 | 0 | 0 | 9 |
| 280 | 40 | 184 | 192 | 111 | 22 | 74 | 30 | 369 | 14 | 7 | 71 |
| 65 | 0 | 0 | 3 | 0 | 2 | 6 | 0 | 0 | 0 | 58 | 6 |
| 1 | 43 | 1 | 8 | 7 | 6 | 81 | 11 | 8 | 0 | 9 | 26 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 1 | 2 | 6 | 0 | 12 | 0 | 5 | 2 | 3 | 1 | 0 |
| 69 | 8 | 1 | 44 | 0 | 119 | 571 | 2 | 23 | 2 | 4 | 1 |
| 0 | 0 | 0 | 18 | 0 | 0 | 1 | 129 | 0 | 0 | 5 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 1 | 19 | 0 | 5 | 4 | 1 | 0 | 1 | 2 | 1 |
| 3 | 1 | 1 | 7 | 0 | 31 | 74 | 3 | 1 | 1 | 25 | 17 |
| 1 | 1 | 1 | 3 | 3 | 15 | 45 | 0 | 4 | 0 | 3 | 12 |
| 2 | 1 | 4 | 2 | 2 | 13 | 28 | 0 | 1 | 0 | 1 | 1 |
| 2 | 1 | 4 | 7 | 2 | 14 | 26 | 4 | 14 | 2 | 6 | 6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 3 | 11 | 28 | 2 | 6 | 16 | 5 | 2 | 3 | 40 | 17 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 10 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 3,850 | 3,004 | 4,568 | 16,974 | 1,250 | 6,116 | 20,102 | 9,564 | 5,528 | 631 | 5,242 | 2,036 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 1,054 | 1,328 | 9,613 | 21,994 | 1,709 | 11,235 | 44,578 | 5,706 | 6,249 | 597 | 1,849 | 2,648 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 4,905 | 4,332 | 14,181 | 38,968 | 2,959 | 17,351 | 64,680 | 15,270 | 11,777 | 1,228 | 7,092 | 4,683 |

continued on next page

Table A7.2 Imports Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 1 | 3 | 0 |
| Food, beverages, and tobacco | m3 | 1 | 19 | 2 | 56 | 13 |
| Textiles and textile products | m4 | 12 | 4 | 0 | 19 | 1 |
| Leather, leather products, and footwear | m5 | 1 | 0 | 0 | 6 | 0 |
| Wood and products of wood and cork | m6 | 1 | 0 | 3 | 0 | 1 |
| Pulp, paper, paper products, printing, and publishing | m7 | 3 | 88 | 3 | 108 | 6 |
| Coke, refined petroleum, and nuclear fuel | m8 | 52 | 187 | 101 | 278 | 53 |
| Chemicals and chemical products | m9 | 3 | 11 | 2 | 30 | 2 |
| Rubber and plastics | m10 | 11 | 10 | 0 | 28 | 26 |
| Other nonmetallic minerals | m11 | 0 | 0 | 13 | 14 | 1 |
| Basic metals and fabricated metal | m12 | 53 | 0 | 2 | 41 | 45 |
| Machinery, nec | m13 | 0 | 0 | 0 | 21 | 0 |
| Electrical and optical equipment | m14 | 578 | 7 | 6 | 199 | 9 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 4 | 10 | 2 | 31 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 1 | 1 | 0 | 7 | 1 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 11 | 1 | 0 | 30 | 11 |
| Hotels and restaurants | m22 | 29 | 138 | 14 | 182 | 73 |
| Inland transport | m23 | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | 2 | 2 | 0 | 1 | 0 |
| Air transport | m25 | 25 | 147 | 2 | 76 | 3 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 1 | 0 | 0 | 3 | 1 |
| Post and telecommunications | m27 | 12 | 12 | 1 | 28 | 25 |
| Financial intermediation | m28 | 11 | 140 | 39 | 156 | 64 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 38 | 188 | 12 | 179 | 22 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 40 |
| Education | m32 | 0 | 0 | 0 | 7 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 11 |
| Other community, social, and personal services | m34 | 0 | 9 | 0 | 125 | 2 |
| Private households with employed persons | m35 | – | – | – | – | – |
| Total intermediate consumption | r60 | 3,964 | 11,032 | 2,108 | 20,578 | 6,122 |
| Taxes less subsidies on products | r99 | – | – | – | – | – |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | 7,621 | 25,562 | 9,081 | 34,217 | 12,766 |
| International transport margins | r65 | – | – | – | – | – |
| Output at basic prices | r69 | 11,585 | 36,594 | 11,190 | 54,794 | 18,888 |

continued on next page

Table A7.2 Imports Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------------|------------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 2 | 8 | 0 | 0 | 526 | - | 0 | 308 | (1) | - | 3,334 |
| 0 | 0 | 0 | 0 | 19 | - | 0 | 0 | (3) | - | 8,537 |
| 20 | 73 | 16 | 0 | 5,063 | - | 0 | 1 | (1) | - | 8,370 |
| 28 | 36 | 204 | 0 | 2,091 | - | 0 | 0 | (4) | - | 3,420 |
| 1 | 1 | 57 | - | 219 | - | 0 | 0 | 0 | - | 525 |
| 0 | 0 | 6 | 0 | 47 | - | 0 | 0 | (3) | - | 586 |
| 56 | 8 | 33 | 0 | 104 | - | 0 | 5 | (0) | - | 914 |
| 90 | 12 | 165 | 0 | 2,014 | - | - | 0 | 5 | - | 13,777 |
| 10 | 84 | 19 | 0 | 217 | - | 0 | 1 | 1 | - | 1,220 |
| 4 | 8 | 12 | 0 | 1,108 | - | 0 | 1 | (6) | - | 2,102 |
| 2 | 1 | 1 | - | 15 | - | 0 | 0 | 0 | - | 405 |
| 2 | 7 | 1 | 0 | 8 | - | 0 | 57 | (12) | - | 6,381 |
| 0 | 0 | 24 | 0 | 0 | - | 0 | 2,871 | (61) | - | 3,127 |
| 92 | 69 | 168 | 0 | 690 | - | 0 | 7,087 | 27 | - | 22,737 |
| 5 | 0 | 1 | 0 | 1,258 | - | 0 | 5,496 | 3 | - | 6,904 |
| 10 | 4 | 44 | 0 | 558 | - | 0 | 221 | (16) | - | 1,154 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 64 | (0) | - | 65 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 0 |
| 3 | 8 | 3 | 0 | 120 | - | 0 | 54 | 4 | - | 386 |
| 3 | 19 | 4 | 0 | 665 | - | 0 | 235 | (2) | - | 2,469 |
| 49 | 6 | 107 | 1 | 2,408 | - | 0 | 0 | (8) | - | 3,184 |
| 0 | 0 | 0 | 0 | 12 | - | 0 | 1 | (256) | - | (239) |
| 1 | 1 | 1 | - | 458 | - | - | 2 | 143 | - | 690 |
| 32 | 19 | 15 | - | 1,598 | - | 0 | 3 | (0) | - | 2,138 |
| 0 | 1 | 0 | - | 99 | - | 0 | 0 | 0 | - | 223 |
| 2 | 1 | 4 | 0 | 207 | - | 0 | 0 | (0) | - | 395 |
| 28 | 20 | 16 | 0 | 783 | - | - | 0 | (27) | - | 1,405 |
| 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | - | 2 |
| 7 | 10 | 22 | 0 | 462 | - | 65 | 30 | 0 | - | 1,267 |
| 0 | 0 | 0 | - | 0 | - | 562 | 0 | (9) | - | 593 |
| 19 | 36 | 1 | 0 | 1,472 | - | 1,959 | 0 | (15) | - | 3,479 |
| 0 | 34 | 0 | - | 543 | - | 374 | 0 | (0) | - | 973 |
| 3 | 1 | 77 | 0 | 441 | - | 0 | 23 | (1) | - | 702 |
| - | - | - | 0 | 5 | - | - | - | - | - | 5 |
| 2,835 | 5,175 | 5,992 | 7 | 228,370 | - | 35,508 | 78,493 | (1,849) | 74,301 | 710,055 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 12,277 | 5,240 | 7,329 | 55 | - | - | - | - | - | - | 313,595 |
| - | - | - | - | - | - | - | - | - | - | - |
| 15,112 | 10,415 | 13,321 | 63 | 228,370 | - | 35,508 | 78,493 | (1,849) | 74,301 | 1,023,650 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

A8

APPENDIX 8:
INPUT-OUTPUT TABLES
FOR 2010 AND 2017—SINGAPORE

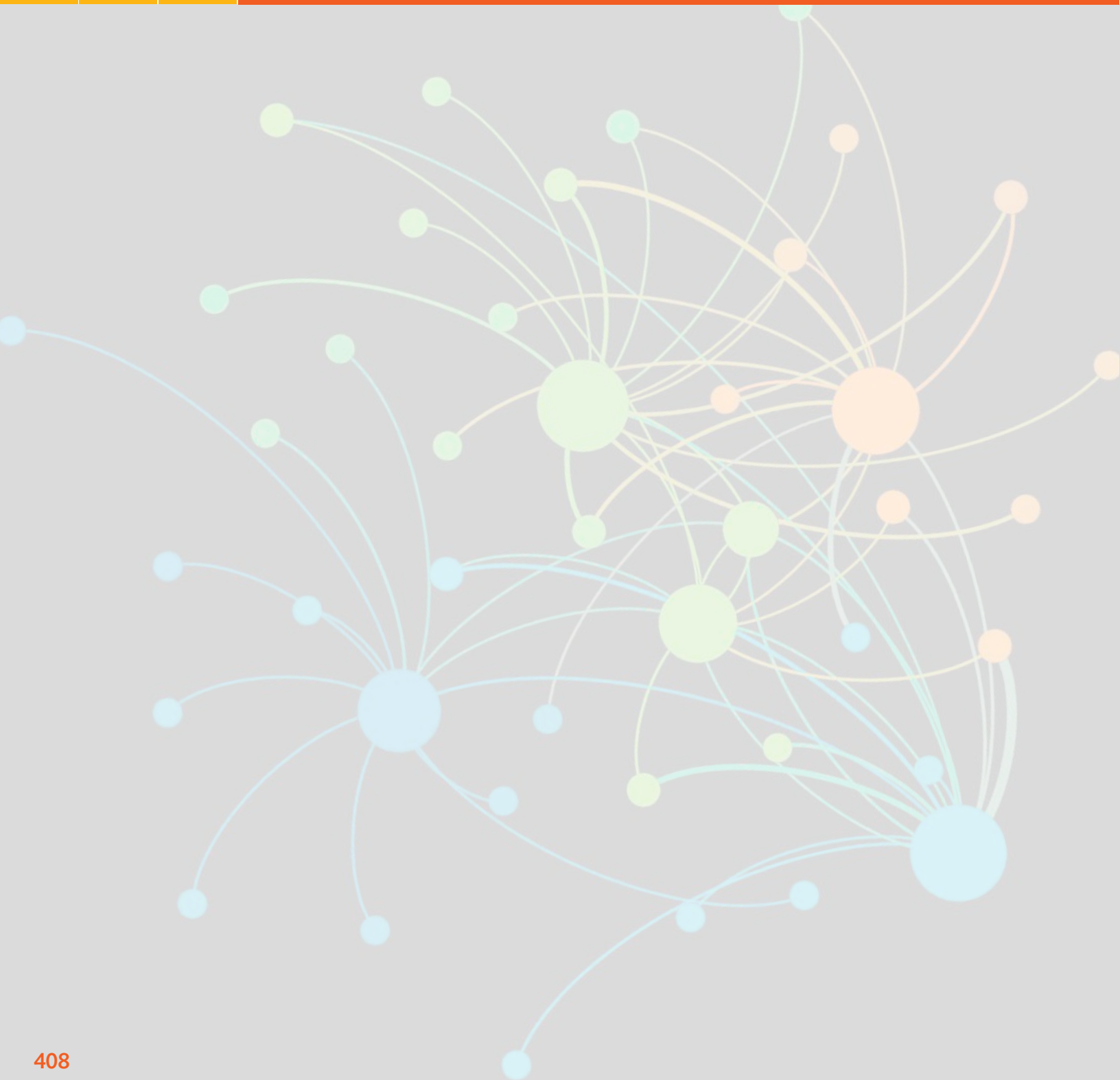


Table A8.1: Singapore Input–Output Table, 2010 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 2 | – | 56 | 0 | 1 | 0 | 0 |
| Mining and quarrying | c2 | – | – | – | – | – | – | – |
| Food, beverages, and tobacco | c3 | 3 | – | 1,528 | 2 | 0 | 0 | 3 |
| Textiles and textile products | c4 | 0 | – | 0 | 134 | 0 | 0 | 2 |
| Leather, leather products, and footwear | c5 | 0 | – | 0 | 0 | 22 | 0 | 0 |
| Wood and products of wood and cork | c6 | 0 | – | 3 | 0 | 0 | 48 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | – | 45 | 2 | 0 | 1 | 416 |
| Coke, refined petroleum, and nuclear fuel | c8 | 3 | – | 17 | 1 | 0 | 1 | 109 |
| Chemicals and chemical products | c9 | 1 | – | 112 | 4 | 0 | 4 | 36 |
| Rubber and plastics | c10 | 2 | – | 38 | 2 | 0 | 1 | 26 |
| Other nonmetallic minerals | c11 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | c12 | 0 | – | 24 | 0 | 0 | 0 | 8 |
| Machinery, nec | c13 | 0 | – | 10 | 0 | 0 | 0 | 8 |
| Electrical and optical equipment | c14 | 0 | – | 16 | 1 | 0 | 1 | 14 |
| Transport equipment | c15 | 0 | – | 2 | 0 | 0 | 0 | 1 |
| Manufacturing, nec; recycling | c16 | 0 | – | 0 | 0 | 0 | 0 | 6 |
| Electricity, gas, and water supply | c17 | 13 | – | 74 | 3 | 1 | 2 | 47 |
| Construction | c18 | 2 | – | 11 | 1 | 0 | 1 | 6 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 1 | – | 5 | 0 | 0 | 1 | 2 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 6 | – | 256 | 11 | 2 | 9 | 97 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | – | 51 | 2 | 0 | 2 | 18 |
| Hotels and restaurants | c22 | 3 | – | 17 | 2 | 0 | 1 | 7 |
| Inland transport | c23 | 3 | – | 25 | 1 | 0 | 0 | 6 |
| Water transport | c24 | 1 | – | 40 | 7 | 0 | 2 | 29 |
| Air transport | c25 | 4 | – | 15 | 3 | 0 | 1 | 9 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 0 | – | 33 | 3 | 0 | 2 | 18 |
| Post and telecommunications | c27 | 2 | – | 113 | 2 | 0 | 1 | 12 |
| Financial intermediation | c28 | 5 | – | 28 | 5 | 0 | 2 | 19 |
| Real estate activities | c29 | 2 | – | 85 | 11 | 1 | 3 | 54 |
| Renting of M&Eq and other business activities | c30 | 9 | – | 205 | 5 | 1 | 2 | 50 |
| Public administration and defense; compulsory social security | c31 | 1 | – | 9 | 1 | 0 | 0 | 3 |
| Education | c32 | 0 | – | 1 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 0 | – | 6 | 0 | 0 | 0 | 2 |
| Private households with employed persons | c35 | – | – | – | – | – | – | – |

continued on next page

Table A8.1 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mining and quarrying | c2 | - | - | - | - | - | - | - |
| Food, beverages, and tobacco | c3 | 12 | 148 | 0 | 0 | 2 | 2 | 19 |
| Textiles and textile products | c4 | 1 | 0 | 0 | 0 | 1 | 0 | 9 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Wood and products of wood and cork | c6 | 0 | 0 | 0 | 2 | 0 | 0 | 13 |
| Pulp, paper, paper products, printing, and publishing | c7 | 7 | 8 | 10 | 4 | 55 | 20 | 105 |
| Coke, refined petroleum, and nuclear fuel | c8 | 9,126 | 465 | 224 | 39 | 44 | 54 | 253 |
| Chemicals and chemical products | c9 | 314 | 1,056 | 18 | 20 | 41 | 19 | 164 |
| Rubber and plastics | c10 | 29 | 30 | 479 | 1 | 23 | 55 | 294 |
| Other nonmetallic minerals | c11 | 4 | 4 | 0 | 437 | 5 | 3 | 51 |
| Basic metals and fabricated metal | c12 | 34 | 16 | 26 | 6 | 809 | 256 | 578 |
| Machinery, nec | c13 | 23 | 7 | 30 | 3 | 29 | 2,154 | 541 |
| Electrical and optical equipment | c14 | 191 | 27 | 11 | 9 | 66 | 266 | 15,696 |
| Transport equipment | c15 | 32 | 2 | 1 | 1 | 4 | 135 | 28 |
| Manufacturing, nec; recycling | c16 | 1 | 0 | 1 | 1 | 32 | 0 | 5 |
| Electricity, gas, and water supply | c17 | 1,149 | 286 | 62 | 69 | 152 | 116 | 940 |
| Construction | c18 | 37 | 23 | 6 | 3 | 39 | 26 | 167 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 15 | 2 | 1 | 3 | 8 | 4 | 24 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 3,128 | 298 | 47 | 75 | 242 | 312 | 2,665 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 58 | 58 | 8 | 12 | 41 | 44 | 239 |
| Hotels and restaurants | c22 | 24 | 16 | 5 | 7 | 20 | 17 | 80 |
| Inland transport | c23 | 65 | 15 | 5 | 7 | 25 | 33 | 152 |
| Water transport | c24 | 267 | 51 | 17 | 27 | 53 | 85 | 420 |
| Air transport | c25 | 55 | 31 | 5 | 9 | 17 | 23 | 173 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 250 | 49 | 15 | 15 | 37 | 54 | 335 |
| Post and telecommunications | c27 | 73 | 20 | 6 | 3 | 19 | 36 | 116 |
| Financial intermediation | c28 | 181 | 111 | 16 | 12 | 61 | 95 | 536 |
| Real estate activities | c29 | 103 | 37 | 37 | 27 | 66 | 101 | 225 |
| Renting of M&Eq and other business activities | c30 | 780 | 221 | 48 | 64 | 162 | 356 | 2,419 |
| Public administration and defense; compulsory social security | c31 | 40 | 18 | 3 | 4 | 7 | 9 | 37 |
| Education | c32 | 3 | 3 | 0 | 0 | 1 | 3 | 8 |
| Health and social work | c33 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| Other community, social, and personal services | c34 | 6 | 6 | 1 | 1 | 4 | 6 | 78 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

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Table A8.1 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 0 | 0 | 0 | 5 | 0 | 2 | 0 | 25 | 0 | 1 | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | 1 | 1 | 11 | 0 | 14 | 4 | 974 | 2 | 195 | 1 | 35 |
| 1 | 1 | 1 | 14 | 0 | 3 | 3 | 10 | 3 | 2 | 1 | 2 |
| 0 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 47 | 0 | 71 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 |
| 8 | 4 | 5 | 18 | 1 | 126 | 16 | 26 | 3 | 3 | 5 | 21 |
| 16 | 13 | 234 | 219 | 48 | 176 | 23 | 90 | 239 | 611 | 587 | 105 |
| 14 | 8 | 48 | 143 | 18 | 50 | 9 | 7 | 2 | 57 | 3 | 39 |
| 6 | 19 | 10 | 135 | 10 | 48 | 9 | 22 | 5 | 11 | 1 | 36 |
| 5 | 0 | 4 | 1,090 | 0 | 9 | 1 | 2 | 0 | 1 | 0 | 1 |
| 100 | 20 | 23 | 1,382 | 4 | 187 | 4 | 3 | 1 | 17 | 2 | 15 |
| 223 | 3 | 8 | 696 | 3 | 25 | 31 | 14 | 2 | 24 | 2 | 39 |
| 26 | 9 | 39 | 371 | 14 | 205 | 22 | 25 | 7 | 75 | 31 | 65 |
| 2,453 | 1 | 7 | 44 | 12 | 55 | 6 | 5 | 32 | 207 | 476 | 75 |
| 4 | 300 | 2 | 214 | 1 | 14 | 5 | 22 | 0 | 3 | 0 | 2 |
| 118 | 13 | 2,466 | 102 | 4 | 276 | 190 | 464 | 73 | 34 | 8 | 229 |
| 55 | 59 | 81 | 13,978 | 1 | 60 | 27 | 70 | 15 | 37 | 2 | 38 |
| 40 | 2 | 3 | 57 | 13 | 87 | 15 | 3 | 183 | 17 | 0 | 22 |
| 192 | 87 | 162 | 977 | 16 | 864 | 72 | 265 | 66 | 461 | 206 | 100 |
| 39 | 17 | 5 | 94 | 5 | 328 | 129 | 52 | 38 | 59 | 38 | 24 |
| 13 | 5 | 9 | 113 | 3 | 199 | 39 | 76 | 7 | 563 | 448 | 329 |
| 21 | 6 | 5 | 78 | 1 | 426 | 41 | 30 | 755 | 138 | 107 | 113 |
| 25 | 5 | 12 | 46 | 0 | 3,743 | 128 | 3 | 51 | 3,592 | 6 | 620 |
| 21 | 7 | 9 | 25 | 1 | 806 | 16 | 4 | 8 | 7 | 810 | 186 |
| 43 | 7 | 25 | 291 | 2 | 2,125 | 162 | 55 | 186 | 1,896 | 684 | 1,951 |
| 52 | 10 | 24 | 239 | 6 | 799 | 77 | 47 | 225 | 157 | 135 | 309 |
| 118 | 17 | 165 | 297 | 13 | 2,253 | 424 | 181 | 97 | 299 | 119 | 228 |
| 131 | 24 | 127 | 302 | 28 | 1,048 | 1,891 | 776 | 47 | 64 | 109 | 339 |
| 485 | 43 | 453 | 1,278 | 12 | 3,510 | 530 | 636 | 164 | 1,085 | 182 | 679 |
| 19 | 8 | 76 | 88 | 1 | 155 | 79 | 35 | 5 | 20 | 31 | 29 |
| 4 | 0 | 3 | 4 | 0 | 7 | 8 | 9 | 2 | 3 | 5 | 5 |
| 0 | 0 | 1 | 5 | 0 | 6 | 10 | 4 | 1 | 4 | 1 | 2 |
| 13 | 2 | 2 | 24 | 2 | 109 | 28 | 43 | 5 | 60 | 12 | 28 |
| - | - | - | - | - | - | - | - | - | - | - | - |

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Table A8.1 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 1 | 1 | 1 | 7 | 1 |
| Mining and quarrying | c2 | - | - | - | - | - |
| Food, beverages, and tobacco | c3 | 7 | 43 | 4 | 21 | 23 |
| Textiles and textile products | c4 | 1 | 1 | 0 | 9 | 3 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 0 | 1 |
| Wood and products of wood and cork | c6 | 0 | 0 | 1 | 2 | 0 |
| Pulp, paper, paper products, printing, and publishing | c7 | 29 | 76 | 9 | 425 | 46 |
| Coke, refined petroleum, and nuclear fuel | c8 | 37 | 76 | 24 | 504 | 97 |
| Chemicals and chemical products | c9 | 12 | 19 | 3 | 211 | 25 |
| Rubber and plastics | c10 | 8 | 27 | 2 | 91 | 16 |
| Other nonmetallic minerals | c11 | 1 | 1 | 0 | 54 | 3 |
| Basic metals and fabricated metal | c12 | 3 | 4 | 3 | 271 | 299 |
| Machinery, nec | c13 | 11 | 8 | 181 | 419 | 110 |
| Electrical and optical equipment | c14 | 287 | 82 | 13 | 1,488 | 135 |
| Transport equipment | c15 | 4 | 9 | 3 | 43 | 185 |
| Manufacturing, nec; recycling | c16 | 6 | 5 | 4 | 47 | 2 |
| Electricity, gas, and water supply | c17 | 109 | 112 | 394 | 240 | 560 |
| Construction | c18 | 27 | 33 | 908 | 303 | 104 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 2 | 3 | 3 | 19 | 4 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 107 | 107 | 88 | 553 | 480 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 24 | 24 | 55 | 166 | 117 |
| Hotels and restaurants | c22 | 31 | 135 | 19 | 180 | 39 |
| Inland transport | c23 | 20 | 90 | 14 | 304 | 23 |
| Water transport | c24 | 17 | 5 | 5 | 113 | 22 |
| Air transport | c25 | 11 | 92 | 21 | 143 | 28 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 107 | 257 | 256 | 294 | 46 |
| Post and telecommunications | c27 | 1,774 | 786 | 61 | 1,033 | 81 |
| Financial intermediation | c28 | 192 | 8,418 | 4,422 | 701 | 2,843 |
| Real estate activities | c29 | 173 | 864 | 1,023 | 1,175 | 375 |
| Renting of M&Eq and other business activities | c30 | 1,239 | 2,144 | 2,617 | 6,894 | 1,681 |
| Public administration and defense; compulsory social security | c31 | 36 | 96 | 43 | 162 | 377 |
| Education | c32 | 2 | 12 | 4 | 87 | 1,413 |
| Health and social work | c33 | 2 | 13 | 3 | 41 | 2,077 |
| Other community, social, and personal services | c34 | 13 | 52 | 9 | 144 | 27 |
| Private households with employed persons | c35 | - | - | - | - | - |

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Table A8.1 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 0 | 1 | 2 | - | 20 | - | 0 | 0 | (0) | 60 | 188 |
| - | - | - | - | - | - | - | - | - | - | - |
| 1 | 18 | 30 | - | 1,180 | - | 0 | 31 | 220 | 2,779 | 7,316 |
| 2 | 2 | 3 | - | 6 | - | 0 | 2 | 8 | 430 | 654 |
| 0 | 0 | 0 | - | 5 | - | 0 | 0 | 6 | 47 | 99 |
| 1 | 0 | 0 | - | 1 | - | 0 | 2 | 0 | 36 | 236 |
| 50 | 18 | 29 | - | 246 | - | 0 | 6 | 1 | 1,513 | 3,360 |
| 19 | 131 | 61 | - | 818 | - | 1 | 47 | 178 | 38,338 | 53,027 |
| 8 | 465 | 42 | - | 27 | - | 1 | 127 | (399) | 17,057 | 19,787 |
| 17 | 8 | 12 | - | 12 | - | 0 | 23 | 11 | 950 | 2,469 |
| 2 | 1 | 3 | - | 2 | - | 0 | 10 | 4 | 299 | 1,998 |
| 2 | 2 | 4 | - | 19 | - | 0 | 73 | (179) | 4,112 | 8,126 |
| 2 | 3 | 10 | - | 7 | - | 0 | 1,372 | (706) | 8,018 | 13,311 |
| 75 | 300 | 104 | - | 376 | - | 4 | 3,391 | 1,560 | 62,507 | 87,509 |
| 2 | 2 | 3 | - | 28 | - | 0 | 1,097 | 33 | 8,903 | 13,893 |
| 17 | 11 | 32 | - | 335 | - | 0 | 199 | 25 | 955 | 2,254 |
| 154 | 143 | 199 | - | 1,708 | - | 2 | 19 | (6) | 899 | 11,420 |
| 40 | 20 | 45 | - | 259 | - | 10 | 20,864 | - | 876 | 38,235 |
| 3 | 2 | 5 | - | 171 | - | 0 | 4 | - | 1 | 727 |
| 43 | 96 | 54 | - | 580 | - | 10 | 2,705 | 3 | 57,602 | 73,043 |
| 16 | 16 | 13 | - | 6,497 | - | 0 | 87 | - | 421 | 8,799 |
| 59 | 36 | 110 | - | 7,409 | - | 0 | 120 | - | 43 | 10,185 |
| 17 | 42 | 41 | 3 | 2,503 | - | 1 | 26 | (0) | 175 | 5,317 |
| 5 | 3 | 2 | - | 3 | - | 0 | 14 | 0 | 26,594 | 36,010 |
| 34 | 21 | 28 | - | 1,582 | - | 0 | 8 | - | 7,985 | 12,198 |
| 29 | 22 | 53 | 0 | 449 | - | 2 | 289 | (1) | 4,358 | 14,400 |
| 65 | 54 | 84 | - | 1,553 | - | 2 | 43 | (0) | 1,822 | 9,846 |
| 83 | 162 | 173 | 0 | 5,583 | - | 9 | 303 | - | 18,754 | 46,928 |
| 222 | 332 | 453 | 0 | 12,087 | - | 5 | 6,839 | (0) | 176 | 29,361 |
| 456 | 408 | 847 | 0 | 1,749 | - | 530 | 4,263 | (8) | 17,463 | 53,660 |
| 26 | 28 | 32 | - | 467 | - | 19,035 | 277 | (0) | 158 | 21,416 |
| 224 | 6 | 17 | 0 | 3,116 | - | 3,738 | 531 | 0 | 162 | 9,383 |
| 28 | 539 | 34 | 0 | 4,339 | - | 220 | 91 | - | 624 | 8,049 |
| 120 | 83 | 162 | 0 | 6,324 | - | 513 | 55 | - | 57 | 7,995 |
| - | - | - | - | 1,554 | - | - | - | - | 2 | 1,556 |

continued on next page

Table A8.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 7 | – | 278 | 23 | 18 | 0 | 0 |
| Mining and quarrying | m2 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 20 | – | 1,830 | 0 | 9 | 0 | 1 |
| Textiles and textile products | m4 | 0 | – | 9 | 275 | 1 | 1 | 34 |
| Leather, leather products, and footwear | m5 | 0 | – | 0 | 0 | 3 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | – | 8 | 0 | 0 | 50 | 28 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | – | 16 | 0 | 0 | 0 | 368 |
| Coke, refined petroleum, and nuclear fuel | m8 | 3 | – | 12 | 1 | 0 | 0 | 31 |
| Chemicals and chemical products | m9 | 1 | – | 129 | 2 | 1 | 2 | 112 |
| Rubber and plastics | m10 | 0 | – | 85 | 2 | 0 | 15 | 106 |
| Other nonmetallic minerals | m11 | 0 | – | 18 | 0 | 0 | 0 | 1 |
| Basic metals and fabricated metal | m12 | 0 | – | 84 | 0 | 0 | 4 | 92 |
| Machinery, nec | m13 | 0 | – | 50 | 1 | 0 | 3 | 87 |
| Electrical and optical equipment | m14 | 0 | – | 68 | 0 | 0 | 0 | 14 |
| Transport equipment | m15 | – | – | 1 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | – | 3 | 0 | 0 | 0 | 8 |
| Construction | m18 | 0 | – | 0 | 0 | 0 | 0 | 1 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | – | 4 | 5 | 0 | 0 | 2 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 0 | – | 37 | 2 | 0 | 0 | 35 |
| Inland transport | m23 | 0 | – | 3 | 0 | 0 | 0 | 2 |
| Water transport | m24 | 0 | – | 1 | 2 | 0 | 0 | 2 |
| Air transport | m25 | 0 | – | 2 | 2 | 0 | 0 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | – | 4 | 0 | 0 | 0 | 2 |
| Post and telecommunications | m27 | 0 | – | 0 | 1 | 0 | 0 | 0 |
| Financial intermediation | m28 | 0 | – | 2 | 0 | 0 | 0 | 0 |
| Real estate activities | m29 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | – | 133 | 0 | 0 | 0 | 19 |
| Public administration and defense; compulsory social security | m31 | – | – | 0 | – | – | – | – |
| Education | m32 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 100 | – | 5,602 | 517 | 64 | 158 | 1,957 |
| Taxes less subsidies on products | r99 | 1 | – | 4 | 0 | 0 | 0 | 4 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 87 | – | 1,710 | 138 | 35 | 77 | 1,399 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 188 | – | 7,316 | 654 | 99 | 236 | 3,360 |

continued on next page

Table A8.1 Import Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|---------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 237 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 9 | 0 | 0 |
| 9 | 3 | 4 | 0 | 0 | 1 | 6 | 4 | 12 | 3 | 56 | 0 | 42 |
| 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 2 | 0 | 4 | 0 | 24 |
| 0 | 2 | 0 | 4 | 0 | 1 | 10 | 5 | 118 | 1 | 157 | 0 | 2 |
| 15 | 14 | 2 | 2 | 4 | 4 | 34 | 3 | 2 | 3 | 4 | 1 | 94 |
| 31,968 | 280 | 214 | 12 | 11 | 24 | 110 | 24 | 49 | 1,360 | 77 | 1 | 389 |
| 620 | 3,478 | 18 | 38 | 144 | 9 | 2,219 | 26 | 11 | 55 | 72 | 26 | 66 |
| 48 | 93 | 175 | 3 | 26 | 25 | 403 | 28 | 48 | 19 | 109 | 53 | 120 |
| 0 | 5 | 0 | 460 | 8 | 9 | 407 | 21 | 3 | 13 | 1,050 | 0 | 20 |
| 23 | 84 | 14 | 10 | 3,370 | 1,571 | 805 | 616 | 271 | 10 | 1,485 | 14 | 13 |
| 142 | 60 | 14 | 11 | 104 | 2,260 | 2,294 | 608 | 9 | 55 | 1,340 | 28 | 106 |
| 40 | 18 | 7 | 3 | 40 | 341 | 21,923 | 291 | 19 | 17 | 309 | 56 | 707 |
| 4 | 2 | 1 | 1 | 5 | 79 | 677 | 2,536 | 1 | 2 | 80 | 66 | 33 |
| 0 | 0 | 2 | 0 | 18 | 0 | 33 | 15 | 381 | 8 | 89 | 1 | 18 |
| 1,545 | 35 | 0 | 17 | 8 | 1 | 13 | 1 | 0 | 2,156 | 0 | 0 | 0 |
| 104 | 0 | 0 | 0 | 1 | 25 | 0 | 0 | 0 | 36 | 219 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| 47 | 33 | 1 | 8 | 12 | 36 | 171 | 20 | 0 | 0 | 32 | 0 | 638 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 23 | 49 | 13 | 6 | 44 | 86 | 131 | 59 | 6 | 35 | 81 | 5 | 265 |
| 2 | 5 | 1 | 1 | 4 | 9 | 14 | 5 | 1 | 0 | 14 | 0 | 36 |
| 11 | 15 | 1 | 1 | 5 | 10 | 189 | 5 | 0 | 0 | 57 | 0 | 6,773 |
| 7 | 10 | 1 | 1 | 3 | 6 | 132 | 4 | 1 | 4 | 7 | 0 | 552 |
| 3 | 15 | 2 | 2 | 4 | 14 | 127 | 8 | 1 | 6 | 9 | 0 | 1,529 |
| 5 | 5 | 1 | 0 | 0 | 6 | 122 | 0 | 0 | 0 | 0 | 0 | 225 |
| 33 | 11 | 0 | 0 | 1 | 8 | 33 | 21 | 0 | 2 | 13 | 0 | 979 |
| 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205 | 4,010 | 4 | 16 | 43 | 383 | 10,716 | 243 | 4 | 5 | 94 | 0 | 4,365 |
| - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50,866 | 11,480 | 1,560 | 1,458 | 5,920 | 9,211 | 66,957 | 8,799 | 1,680 | 7,807 | 27,799 | 477 | 34,745 |
| 33 | 10 | 2 | 2 | 6 | 9 | 33 | 8 | 1 | 20 | 5 | 1 | 15 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2,127 | 8,297 | 907 | 539 | 2,200 | 4,091 | 20,519 | 5,087 | 574 | 3,593 | 10,430 | 249 | 38,283 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 53,027 | 19,787 | 2,469 | 1,998 | 8,126 | 13,311 | 87,509 | 13,893 | 2,254 | 11,420 | 38,235 | 727 | 73,043 |

continued on next page

Table A8.1 Import Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 347 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 1,159 | 0 | 81 | 0 | 2 |
| Textiles and textile products | m4 | 32 | 34 | 11 | 20 | 7 | 37 |
| Leather, leather products, and footwear | m5 | 1 | 0 | 0 | 0 | 0 | 2 |
| Wood and products of wood and cork | m6 | 1 | 1 | 0 | 8 | 0 | 6 |
| Pulp, paper, paper products, printing, and publishing | m7 | 11 | 22 | 2 | 1 | 2 | 12 |
| Coke, refined petroleum, and nuclear fuel | m8 | 18 | 38 | 182 | 4,412 | 2,492 | 148 |
| Chemicals and chemical products | m9 | 15 | 33 | 8 | 37 | 0 | 50 |
| Rubber and plastics | m10 | 15 | 68 | 16 | 33 | 1 | 75 |
| Other nonmetallic minerals | m11 | 2 | 3 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 2 | 11 | 5 | 0 | 1 | 6 |
| Machinery, nec | m13 | 16 | 3 | 6 | 76 | 1 | 12 |
| Electrical and optical equipment | m14 | 51 | 23 | 14 | 4 | 2 | 33 |
| Transport equipment | m15 | 4 | 2 | 21 | 613 | 83 | 27 |
| Manufacturing, nec; recycling | m16 | 4 | 11 | 0 | 5 | 0 | 3 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 22 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 0 | 1 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 1 | 0 | 1 | 0 | 1 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 1 |
| Hotels and restaurants | m22 | 71 | 55 | 19 | 167 | 78 | 135 |
| Inland transport | m23 | 6 | 4 | 4 | 49 | 3 | 14 |
| Water transport | m24 | 20 | 1 | 6 | 7,110 | 1 | 280 |
| Air transport | m25 | 4 | 3 | 1 | 44 | 742 | 34 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 5 | 3 | 11 | 6,188 | 848 | 553 |
| Post and telecommunications | m27 | 0 | 0 | 0 | 33 | 19 | 10 |
| Financial intermediation | m28 | 3 | 3 | 0 | 155 | 94 | 19 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 47 | 29 | 0 | 1,839 | 514 | 151 |
| Public administration and defense; compulsory social security | m31 | – | 0 | – | – | – | – |
| Education | m32 | 0 | 0 | 0 | 3 | 2 | 3 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 4,328 | 5,832 | 2,530 | 30,607 | 8,902 | 7,281 |
| Taxes less subsidies on products | r99 | 6 | 11 | 5 | 46 | 26 | 20 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – |
| Value added at basic prices | r64 | 4,465 | 4,343 | 2,783 | 5,357 | 3,271 | 7,100 |
| International transport margins | | – | – | – | – | – | – |
| Output at basic prices | r69 | 8,799 | 10,185 | 5,317 | 36,010 | 12,198 | 14,400 |

continued on next page

Table A8.1 Import Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|--------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 0 | 0 | 0 | 8 | 1 | 0 | 1 | 6 | 0 | 930 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 0 | 13 | 4 | 5 | 72 | 0 | 7 | 19 | 0 | 2,394 | - |
| 5 | 0 | 1 | 68 | 17 | 9 | 24 | 42 | 0 | 1,014 | - |
| 0 | 1 | 1 | 4 | 6 | 0 | 1 | 2 | - | 555 | - |
| 0 | 0 | 1 | 8 | 1 | 4 | 0 | 0 | 0 | 40 | - |
| 5 | 15 | 2 | 56 | 12 | 6 | 5 | 6 | - | 212 | - |
| 6 | 18 | 8 | 66 | 148 | 4 | 19 | 6 | 0 | 14 | - |
| 6 | 13 | 2 | 168 | 117 | 34 | 258 | 59 | - | 612 | - |
| 11 | 48 | 2 | 108 | 15 | 29 | 10 | 20 | - | 206 | - |
| 3 | 0 | 0 | 20 | 3 | 9 | 1 | 7 | - | 80 | - |
| 1 | 0 | 1 | 199 | 1,378 | 3 | 2 | 10 | 0 | 111 | - |
| 4 | 20 | 22 | 188 | 623 | 3 | 1 | 6 | 0 | 96 | - |
| 275 | 20 | 6 | 768 | 916 | 71 | 23 | 38 | - | 2,832 | - |
| 6 | 0 | 1 | 51 | 1,189 | 2 | 0 | 1 | - | 928 | - |
| 3 | 12 | 11 | 42 | 4 | 21 | 8 | 60 | 0 | 1,708 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | - |
| 0 | 0 | 0 | 29 | 1 | 0 | 0 | 0 | 0 | 0 | - |
| 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 193 | 4 | 0 | 63 | 0 | 1 | 1 | 0 | 0 | 0 | - |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 98 | 342 | 18 | 952 | 85 | 76 | 23 | 62 | 0 | 0 | - |
| 8 | 34 | 2 | 79 | 7 | 7 | 2 | 6 | 0 | 0 | - |
| 10 | 88 | 1 | 151 | 5 | 2 | 2 | 2 | - | 0 | - |
| 15 | 12 | 1 | 252 | 2 | 5 | 1 | 4 | - | 843 | - |
| 17 | 32 | 2 | 206 | 2 | 6 | 2 | 8 | - | 0 | - |
| 1,080 | 150 | 0 | 499 | 3 | 0 | 0 | 3 | 0 | 3 | - |
| 11 | 6,424 | 24 | 79 | 2 | 4 | 1 | 2 | 0 | 0 | - |
| 0 | 0 | 3 | 24 | 19 | 0 | 0 | 0 | 0 | 0 | - |
| 139 | 1,679 | 5 | 8,102 | 46 | 31 | 7 | 110 | - | 66 | - |
| - | - | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - |
| 1 | 7 | 0 | 17 | 3 | 36 | 5 | 1 | 0 | 0 | - |
| 0 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | - | 0 | - |
| 0 | 0 | 0 | 119 | 1 | 0 | 0 | 5 | - | 387 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 6,191 | 22,536 | 10,313 | 28,489 | 15,923 | 2,184 | 3,380 | 3,172 | 3 | 74,047 | - |
| 4 | 106 | 82 | 38 | 52 | 27 | 51 | 34 | - | 9,010 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 3,651 | 24,286 | 18,965 | 25,133 | 5,442 | 7,171 | 4,618 | 4,789 | 1,553 | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 9,846 | 46,928 | 29,361 | 53,660 | 21,416 | 9,383 | 8,049 | 7,995 | 1,556 | 83,057 | - |

continued on next page

Table A8.1 Import Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|----------------|------------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 13 | 3 | - | 1,658 |
| Mining and quarrying | m2 | 0 | 0 | 0 | - | 1 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 4 | - | 5,868 |
| Textiles and textile products | m4 | 0 | 4 | 52 | - | 1,837 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 35 | - | 655 |
| Wood and products of wood and cork | m6 | 0 | 1 | 5 | - | 460 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 30 | 19 | - | 984 |
| Coke, refined petroleum, and nuclear fuel | m8 | - | - | 1,026 | - | 43,171 |
| Chemicals and chemical products | m9 | 0 | 0 | 417 | - | 8,857 |
| Rubber and plastics | m10 | 0 | 27 | 78 | - | 2,121 |
| Other nonmetallic minerals | m11 | 0 | 88 | 8 | - | 2,240 |
| Basic metals and fabricated metal | m12 | 0 | 209 | 576 | - | 10,981 |
| Machinery, nec | m13 | 0 | 2,675 | 373 | - | 11,298 |
| Electrical and optical equipment | m14 | 0 | 5,670 | 607 | - | 35,206 |
| Transport equipment | m15 | - | 3,221 | 137 | - | 9,776 |
| Manufacturing, nec; recycling | m16 | 0 | 364 | 18 | - | 2,839 |
| Electricity, gas, and water supply | m17 | 0 | 1 | 8 | - | 3,820 |
| Construction | m18 | 0 | 19 | 0 | - | 436 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | - | 16 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 0 | - | 1,277 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | - | 32 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | - | 3,057 |
| Inland transport | m23 | 0 | 0 | 0 | - | 325 |
| Water transport | m24 | - | 0 | 0 | - | 14,753 |
| Air transport | m25 | - | 0 | 0 | - | 2,697 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | - | 9,609 |
| Post and telecommunications | m27 | 0 | 164 | 0 | - | 2,328 |
| Financial intermediation | m28 | - | - | 0 | - | 7,925 |
| Real estate activities | m29 | 0 | 0 | 0 | - | 61 |
| Renting of M&Eq and other business activities | m30 | 0 | 3,815 | 0 | - | 36,817 |
| Public administration and defense; compulsory social security | m31 | - | - | - | - | 1 |
| Education | m32 | 0 | 0 | 0 | - | 86 |
| Health and social work | m33 | 0 | 0 | 0 | - | 12 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | - | 516 |
| Private households with employed persons | m35 | - | - | - | - | - |
| Total intermediate consumption | r60 | 24,083 | 59,221 | 4,119 | 284,178 | 834,478 |
| Taxes less subsidies on products | r99 | - | 2,513 | - | - | 12,183 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | - | - | - | - | 223,268 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 24,083 | 61,734 | 4,119 | 284,178 | 1,069,930 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A8.2: Singapore Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | – | 36 | 2 | – | 0 | 0 |
| Mining and quarrying | c2 | – | – | – | – | – | – | – |
| Food, beverages, and tobacco | c3 | 3 | – | 1,912 | 4 | – | 1 | 1 |
| Textiles and textile products | c4 | 0 | – | 0 | 49 | – | 0 | 1 |
| Leather, leather products, and footwear | c5 | – | – | – | – | – | – | – |
| Wood and products of wood and cork | c6 | 0 | – | 14 | 0 | – | 51 | 31 |
| Pulp, paper, paper products, printing, and publishing | c7 | 1 | – | 10 | 0 | – | 3 | 72 |
| Coke, refined petroleum, and nuclear fuel | c8 | 4 | – | 80 | 0 | – | 11 | 69 |
| Chemicals and chemical products | c9 | 4 | – | 98 | 1 | – | 28 | 70 |
| Rubber and plastics | c10 | 2 | – | 56 | 1 | – | 9 | 42 |
| Other nonmetallic minerals | c11 | 0 | – | 1 | 0 | – | 0 | 0 |
| Basic metals and fabricated metal | c12 | 2 | – | 64 | 1 | – | 13 | 12 |
| Machinery, nec | c13 | 1 | – | 24 | 1 | – | 4 | 23 |
| Electrical and optical equipment | c14 | 1 | – | 47 | 2 | – | 6 | 19 |
| Transport equipment | c15 | 0 | – | 10 | 0 | – | 1 | 2 |
| Manufacturing, nec; recycling | c16 | 0 | – | 2 | 0 | – | 0 | 2 |
| Electricity, gas, and water supply | c17 | 6 | – | 150 | 3 | – | 18 | 57 |
| Construction | c18 | 1 | – | 14 | 0 | – | 1 | 5 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 1 | – | 5 | 0 | – | 1 | 3 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 10 | – | 1,216 | 54 | – | 128 | 211 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 0 | – | 6 | 0 | – | 1 | 2 |
| Hotels and restaurants | c22 | 2 | – | 29 | 1 | – | 7 | 16 |
| Inland transport | c23 | 2 | – | 38 | 4 | – | 2 | 6 |
| Water transport | c24 | 2 | – | 137 | 14 | – | 26 | 60 |
| Air transport | c25 | 4 | – | 27 | 5 | – | 6 | 14 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 0 | – | 60 | 1 | – | 2 | 12 |
| Post and telecommunications | c27 | 3 | – | 111 | 2 | – | 7 | 26 |
| Financial intermediation | c28 | 6 | – | 190 | 8 | – | 11 | 29 |
| Real estate activities | c29 | 1 | – | 39 | 2 | – | 6 | 25 |
| Renting of M&Eq and other business activities | c30 | 8 | – | 327 | 7 | – | 25 | 77 |
| Public administration and defense; compulsory social security | c31 | 0 | – | 6 | 0 | – | 1 | 4 |
| Education | c32 | 0 | – | 9 | 0 | – | 0 | 1 |
| Health and social work | c33 | 0 | – | 1 | 0 | – | 0 | 0 |
| Other community, social, and personal services | c34 | 0 | – | 14 | 0 | – | 1 | 6 |
| Private households with employed persons | c35 | 0 | – | 0 | 0 | – | 0 | 0 |

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Table A8.2 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Mining and quarrying | c2 | - | - | - | - | - | - | - |
| Food, beverages, and tobacco | c3 | 9 | 58 | 0 | 0 | 2 | 12 | 35 |
| Textiles and textile products | c4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Leather, leather products, and footwear | c5 | - | - | - | - | - | - | - |
| Wood and products of wood and cork | c6 | 3 | 5 | 2 | 1 | 15 | 5 | 53 |
| Pulp, paper, paper products, printing, and publishing | c7 | 5 | 39 | 0 | 1 | 5 | 9 | 51 |
| Coke, refined petroleum, and nuclear fuel | c8 | 21,000 | 688 | 404 | 35 | 56 | 82 | 293 |
| Chemicals and chemical products | c9 | 458 | 1,072 | 5 | 35 | 67 | 40 | 283 |
| Rubber and plastics | c10 | 24 | 27 | 124 | 2 | 8 | 33 | 199 |
| Other nonmetallic minerals | c11 | 4 | 4 | 0 | 318 | 8 | 2 | 139 |
| Basic metals and fabricated metal | c12 | 18 | 40 | 35 | 11 | 944 | 316 | 445 |
| Machinery, nec | c13 | 115 | 24 | 4 | 6 | 45 | 1,670 | 464 |
| Electrical and optical equipment | c14 | 139 | 58 | 11 | 12 | 66 | 372 | 9,514 |
| Transport equipment | c15 | 14 | 8 | 1 | 2 | 18 | 25 | 47 |
| Manufacturing, nec; recycling | c16 | 5 | 2 | 1 | 5 | 5 | 2 | 22 |
| Electricity, gas, and water supply | c17 | 1,087 | 336 | 51 | 30 | 196 | 136 | 1,053 |
| Construction | c18 | 132 | 29 | 3 | 2 | 13 | 51 | 155 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 4 | 4 | 1 | 4 | 9 | 5 | 31 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 3,775 | 1,085 | 85 | 186 | 743 | 968 | 4,296 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 10 | 4 | 1 | 1 | 4 | 4 | 20 |
| Hotels and restaurants | c22 | 51 | 29 | 10 | 4 | 25 | 41 | 99 |
| Inland transport | c23 | 213 | 50 | 10 | 6 | 59 | 122 | 243 |
| Water transport | c24 | 195 | 183 | 17 | 85 | 96 | 104 | 461 |
| Air transport | c25 | 37 | 34 | 5 | 15 | 23 | 24 | 189 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 196 | 51 | 4 | 2 | 33 | 54 | 112 |
| Post and telecommunications | c27 | 129 | 166 | 9 | 8 | 65 | 243 | 555 |
| Financial intermediation | c28 | 355 | 168 | 25 | 13 | 94 | 112 | 928 |
| Real estate activities | c29 | 27 | 24 | 10 | 2 | 30 | 27 | 74 |
| Renting of M&Eq and other business activities | c30 | 719 | 1,415 | 49 | 33 | 264 | 2,313 | 5,596 |
| Public administration and defense; compulsory social security | c31 | 19 | 9 | 2 | 2 | 8 | 6 | 28 |
| Education | c32 | 4 | 4 | 1 | 0 | 3 | 4 | 14 |
| Health and social work | c33 | 3 | 4 | 0 | 0 | 1 | 2 | 10 |
| Other community, social, and personal services | c34 | 6 | 9 | 3 | 1 | 8 | 12 | 25 |
| Private households with employed persons | c35 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

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Table A8.2 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 0 | 0 | 0 | 3 | 0 | 1 | 0 | 14 | 0 | 0 | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 6 | 2 | 1 | 15 | 0 | 31 | 7 | 839 | 7 | 103 | 2 | 3 |
| 5 | 2 | 1 | 41 | 1 | 12 | 5 | 11 | 3 | 8 | 1 | 1 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 6 | 55 | 1 | 57 | 0 | 3 | 2 | 4 | 0 | 3 | 0 | 2 |
| 15 | 4 | 5 | 19 | 4 | 161 | 25 | 43 | 4 | 9 | 4 | 5 |
| 66 | 15 | 181 | 491 | 43 | 218 | 28 | 256 | 486 | 1,487 | 1,400 | 80 |
| 41 | 28 | 22 | 119 | 30 | 81 | 13 | 16 | 7 | 48 | 10 | 16 |
| 28 | 22 | 75 | 118 | 28 | 31 | 6 | 28 | 10 | 35 | 2 | 24 |
| 15 | 1 | 6 | 776 | 1 | 8 | 2 | 4 | 1 | 2 | 1 | 0 |
| 822 | 51 | 41 | 2,552 | 13 | 146 | 9 | 11 | 11 | 14 | 3 | 36 |
| 522 | 4 | 31 | 1,080 | 25 | 115 | 17 | 28 | 11 | 44 | 11 | 19 |
| 145 | 11 | 69 | 617 | 53 | 318 | 24 | 53 | 21 | 71 | 29 | 43 |
| 5,411 | 2 | 17 | 179 | 26 | 122 | 25 | 18 | 33 | 627 | 710 | 14 |
| 12 | 70 | 2 | 162 | 2 | 16 | 4 | 18 | 1 | 3 | 1 | 0 |
| 301 | 31 | 2,076 | 159 | 14 | 300 | 292 | 660 | 88 | 112 | 118 | 79 |
| 77 | 17 | 55 | 19,373 | 3 | 59 | 38 | 85 | 35 | 23 | 7 | 20 |
| 54 | 4 | 14 | 67 | 16 | 104 | 28 | 17 | 180 | 43 | 2 | 28 |
| 2,109 | 219 | 198 | 1,774 | 60 | 2,244 | 177 | 722 | 335 | 1,163 | 462 | 97 |
| 17 | 6 | 4 | 124 | 9 | 590 | 304 | 20 | 43 | 123 | 57 | 12 |
| 76 | 6 | 4 | 98 | 4 | 328 | 43 | 151 | 9 | 618 | 532 | 19 |
| 125 | 11 | 10 | 168 | 2 | 731 | 63 | 68 | 453 | 440 | 105 | 97 |
| 130 | 8 | 36 | 182 | 2 | 6,142 | 391 | 14 | 103 | 7,221 | 28 | 269 |
| 25 | 3 | 16 | 42 | 10 | 1,896 | 147 | 70 | 23 | 67 | 1,836 | 77 |
| 144 | 4 | 22 | 108 | 6 | 1,285 | 144 | 18 | 122 | 985 | 24 | 580 |
| 227 | 33 | 107 | 143 | 25 | 1,983 | 265 | 173 | 231 | 345 | 292 | 218 |
| 326 | 24 | 250 | 332 | 33 | 4,462 | 797 | 352 | 113 | 518 | 146 | 162 |
| 85 | 10 | 24 | 136 | 30 | 548 | 1,307 | 699 | 50 | 90 | 82 | 68 |
| 2,923 | 46 | 782 | 1,627 | 47 | 7,324 | 1,063 | 1,172 | 1,006 | 1,508 | 430 | 240 |
| 51 | 3 | 66 | 105 | 5 | 234 | 135 | 83 | 9 | 55 | 43 | 13 |
| 23 | 1 | 4 | 11 | 1 | 16 | 18 | 25 | 2 | 6 | 7 | 2 |
| 13 | 0 | 4 | 9 | 1 | 20 | 32 | 11 | 3 | 14 | 2 | 5 |
| 26 | 3 | 3 | 30 | 7 | 63 | 52 | 41 | 9 | 74 | 13 | 18 |
| 1 | 0 | 1 | 1 | 18 | 5 | 3 | 54 | 0 | 3 | 4 | 1 |

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Table A8.2 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 0 | 0 | 1 | 0 |
| Mining and quarrying | c2 | - | - | - | - | - |
| Food, beverages, and tobacco | c3 | 15 | 21 | 4 | 40 | 30 |
| Textiles and textile products | c4 | 3 | 0 | 0 | 14 | 4 |
| Leather, leather products, and footwear | c5 | - | - | - | - | - |
| Wood and products of wood and cork | c6 | 3 | 4 | 0 | 26 | 2 |
| Pulp, paper, paper products, printing, and publishing | c7 | 97 | 52 | 4 | 425 | 69 |
| Coke, refined petroleum, and nuclear fuel | c8 | 167 | 105 | 24 | 1,061 | 144 |
| Chemicals and chemical products | c9 | 72 | 34 | 10 | 392 | 34 |
| Rubber and plastics | c10 | 43 | 28 | 1 | 139 | 17 |
| Other nonmetallic minerals | c11 | 9 | 1 | 1 | 161 | 4 |
| Basic metals and fabricated metal | c12 | 29 | 12 | 6 | 1,380 | 638 |
| Machinery, nec | c13 | 43 | 17 | 33 | 406 | 89 |
| Electrical and optical equipment | c14 | 1,368 | 118 | 30 | 1,746 | 285 |
| Transport equipment | c15 | 51 | 29 | 19 | 310 | 567 |
| Manufacturing, nec; recycling | c16 | 7 | 4 | 2 | 47 | 3 |
| Electricity, gas, and water supply | c17 | 301 | 176 | 177 | 351 | 1,027 |
| Construction | c18 | 37 | 35 | 617 | 277 | 117 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 133 | 52 | 32 | 83 | 113 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 655 | 302 | 112 | 1,299 | 725 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 58 | 31 | 15 | 137 | 58 |
| Hotels and restaurants | c22 | 92 | 232 | 13 | 814 | 100 |
| Inland transport | c23 | 38 | 181 | 6 | 524 | 30 |
| Water transport | c24 | 145 | 425 | 7 | 561 | 49 |
| Air transport | c25 | 81 | 231 | 35 | 726 | 39 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 241 | 38 | 4 | 254 | 17 |
| Post and telecommunications | c27 | 7,983 | 2,765 | 53 | 2,539 | 842 |
| Financial intermediation | c28 | 767 | 14,322 | 2,725 | 873 | 3,572 |
| Real estate activities | c29 | 282 | 463 | 151 | 605 | 123 |
| Renting of M&Eq and other business activities | c30 | 2,335 | 2,879 | 2,311 | 12,935 | 2,063 |
| Public administration and defense; compulsory social security | c31 | 101 | 155 | 26 | 216 | 389 |
| Education | c32 | 23 | 21 | 3 | 134 | 2,083 |
| Health and social work | c33 | 13 | 21 | 5 | 96 | 3,902 |
| Other community, social, and personal services | c34 | 70 | 144 | 8 | 144 | 39 |
| Private households with employed persons | c35 | 9 | 2 | 1 | 51 | 10 |

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Table A8.2 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|----------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 14 | – | 0 | 0 | 62 | 46 | 183 |
| – | – | – | – | – | – | – | – | – | – | – |
| 2 | 14 | 6 | 17 | 1,714 | – | 0 | 48 | 1,401 | 3,860 | 10,224 |
| 1 | 6 | 3 | 6 | 70 | – | 0 | 1 | 95 | 309 | 657 |
| – | – | – | – | – | – | – | – | – | – | – |
| 6 | 3 | 1 | 0 | 17 | – | 0 | 3 | 42 | 471 | 890 |
| 139 | 44 | 43 | 4 | 384 | – | 0 | 8 | 67 | 1,013 | 2,843 |
| 53 | 241 | 20 | 46 | 1,488 | – | 3 | 38 | (3,792) | 47,736 | 74,805 |
| 47 | 751 | 24 | 45 | 94 | – | 2 | 264 | 2,320 | 18,906 | 25,590 |
| 37 | 11 | 10 | 1 | 40 | – | 0 | 36 | (128) | 666 | 1,832 |
| 16 | 2 | 3 | 3 | 5 | – | 1 | 16 | 152 | 198 | 1,866 |
| 14 | 12 | 7 | 11 | 348 | – | 4 | 500 | (3,742) | 4,652 | 9,478 |
| 10 | 14 | 21 | 3 | 64 | – | 26 | 2,502 | 297 | 7,861 | 15,672 |
| 275 | 402 | 46 | 11 | 649 | – | 23 | 5,010 | 3,051 | 62,848 | 87,560 |
| 9 | 9 | 12 | 2 | 42 | – | 6 | 1,257 | 4,414 | 21,646 | 35,685 |
| 20 | 13 | 13 | 2 | 584 | – | 0 | 245 | 79 | 1,444 | 2,802 |
| 198 | 248 | 248 | 43 | 1,988 | – | 3 | 48 | (237) | 1,011 | 12,938 |
| 52 | 28 | 58 | 4 | 140 | – | 0 | 26,729 | – | 1,077 | 49,368 |
| 28 | 4 | 29 | 2 | 321 | – | 0 | 6 | – | 3 | 1,430 |
| 155 | 343 | 155 | 41 | 1,753 | – | 24 | 3,854 | 4 | 73,653 | 105,391 |
| 17 | 54 | 17 | 6 | 9,272 | – | 0 | 95 | – | 356 | 11,478 |
| 93 | 57 | 117 | 11 | 10,338 | – | 5 | 127 | – | 74 | 14,277 |
| 28 | 26 | 26 | 7 | 3,802 | – | 0 | 29 | 8 | 399 | 8,131 |
| 28 | 16 | 15 | 3 | 25 | – | 1 | 90 | 1 | 40,737 | 58,010 |
| 73 | 67 | 37 | 20 | 2,713 | – | 0 | 363 | 0 | 8,136 | 17,114 |
| 10 | 6 | 9 | 12 | 68 | – | 0 | 58 | 1 | 2,762 | 7,448 |
| 307 | 414 | 229 | 44 | 2,998 | – | 254 | 2,531 | 33 | 14,823 | 41,185 |
| 145 | 819 | 181 | 72 | 12,376 | – | 1 | 420 | – | 32,803 | 78,530 |
| 105 | 195 | 125 | 91 | 8,669 | – | 4 | 4,089 | 0 | 180 | 18,481 |
| 744 | 876 | 1,175 | 133 | 1,519 | – | 1,310 | 6,433 | 84 | 26,997 | 90,795 |
| 53 | 52 | 64 | 11 | 620 | – | 26,971 | 407 | (4) | 310 | 30,261 |
| 354 | 37 | 14 | 2 | 5,593 | – | 5,290 | 769 | 0 | 357 | 14,836 |
| 58 | 467 | 75 | 7 | 7,709 | – | 424 | 164 | 0 | 842 | 13,921 |
| 134 | 77 | 222 | 9 | 7,142 | – | 770 | 111 | – | 104 | 9,396 |
| 40 | 37 | 79 | 17 | 3,621 | – | 12 | 9 | – | 21 | 4,002 |

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Table A8.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 9 | – | 481 | 8 | – | 0 | 0 |
| Mining and quarrying | m2 | 0 | – | 2 | 0 | – | 0 | 0 |
| Food, beverages, and tobacco | m3 | 16 | – | 1,052 | 0 | – | 1 | 0 |
| Textiles and textile products | m4 | 0 | – | 0 | 227 | – | 16 | 11 |
| Leather, leather products, and footwear | m5 | 0 | – | 0 | 0 | – | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | – | 9 | 0 | – | 272 | 81 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | – | 4 | 0 | – | 0 | 16 |
| Coke, refined petroleum, and nuclear fuel | m8 | 2 | – | 7 | 0 | – | 7 | 13 |
| Chemicals and chemical products | m9 | 2 | – | 104 | 2 | – | 14 | 102 |
| Rubber and plastics | m10 | 3 | – | 13 | 1 | – | 65 | 91 |
| Other nonmetallic minerals | m11 | 0 | – | 0 | 0 | – | 0 | 0 |
| Basic metals and fabricated metal | m12 | 0 | – | 11 | 0 | – | 29 | 35 |
| Machinery, nec | m13 | 0 | – | 7 | 0 | – | 18 | 35 |
| Electrical and optical equipment | m14 | 0 | – | 7 | 0 | – | 5 | 17 |
| Transport equipment | m15 | 0 | – | 0 | 0 | – | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 0 | – | 0 | 0 | – | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | – | 26 | 0 | – | 7 | 19 |
| Construction | m18 | 0 | – | 0 | 0 | – | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | – | 0 | 0 | – | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | – | 7 | 0 | – | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | – | 0 | 0 | – | 0 | 0 |
| Hotels and restaurants | m22 | 0 | – | 42 | 1 | – | 2 | 20 |
| Inland transport | m23 | 0 | – | 3 | 0 | – | 0 | 2 |
| Water transport | m24 | 0 | – | 1 | 0 | – | 0 | 0 |
| Air transport | m25 | 0 | – | 5 | 0 | – | 0 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | – | 2 | 0 | – | 0 | 0 |
| Post and telecommunications | m27 | 0 | – | 2 | 0 | – | 0 | 4 |
| Financial intermediation | m28 | 0 | – | 1 | 0 | – | 0 | 0 |
| Real estate activities | m29 | 0 | – | 0 | 0 | – | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 0 | – | 396 | 0 | – | 0 | 12 |
| Public administration and defense; compulsory social security | m31 | – | – | – | – | – | – | – |
| Education | m32 | 0 | – | 1 | 0 | – | 0 | 0 |
| Health and social work | m33 | 0 | – | 0 | 0 | – | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | – | 0 | 0 | – | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 97 | – | 6,914 | 405 | – | 808 | 1,358 |
| Taxes less subsidies on products | r99 | 0 | – | 4 | 0 | – | 0 | 1 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 86 | – | 3,307 | 252 | – | 82 | 1,484 |
| International transport margins | r65 | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 183 | – | 10,224 | 657 | – | 890 | 2,843 |

continued on next page

Table A8.2 Imports Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|---------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 16 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 946 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 1 | 4 | 0 | 0 | 4 | 15 | 34 | 37 | 3 | 51 | 3 | 33 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 14 |
| 2 | 9 | 2 | 8 | 12 | 3 | 54 | 10 | 90 | 1 | 200 | 1 | 28 |
| 6 | 23 | 1 | 1 | 2 | 3 | 53 | 8 | 0 | 2 | 3 | 1 | 128 |
| 39,854 | 411 | 115 | 47 | 15 | 41 | 207 | 57 | 43 | 15 | 150 | 3 | 362 |
| 502 | 3,074 | 21 | 101 | 156 | 85 | 2,256 | 27 | 33 | 18 | 62 | 23 | 64 |
| 13 | 82 | 115 | 3 | 38 | 87 | 597 | 145 | 105 | 70 | 157 | 45 | 93 |
| 0 | 0 | 0 | 365 | 3 | 59 | 378 | 21 | 8 | 45 | 1,240 | 1 | 16 |
| 6 | 8 | 12 | 4 | 3,529 | 619 | 725 | 2,398 | 358 | 28 | 1,694 | 11 | 37 |
| 17 | 22 | 6 | 8 | 103 | 2,034 | 2,109 | 1,872 | 9 | 48 | 1,230 | 39 | 26 |
| 553 | 16 | 9 | 5 | 42 | 715 | 25,349 | 947 | 36 | 41 | 365 | 91 | 941 |
| 0 | 0 | 0 | 0 | 6 | 11 | 3 | 5,288 | 0 | 0 | 16 | 48 | 12 |
| 0 | 0 | 2 | 0 | 7 | 1 | 8 | 14 | 492 | 24 | 118 | 7 | 12 |
| 1,466 | 151 | 1 | 56 | 18 | 4 | 30 | 12 | 1 | 4,352 | 1 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 2 | 0 | 73 | 0 | 0 |
| 0 | 0 | 0 | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 64 | 1 | 4 | 7 | 142 | 192 | 48 | 0 | 0 | 0 | 0 | 1,072 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 59 | 9 | 6 | 43 | 69 | 99 | 104 | 7 | 23 | 204 | 11 | 370 |
| 4 | 7 | 1 | 1 | 4 | 6 | 11 | 9 | 1 | 2 | 22 | 1 | 34 |
| 11 | 19 | 0 | 0 | 0 | 3 | 79 | 6 | 1 | 0 | 4 | 0 | 12,870 |
| 17 | 26 | 1 | 1 | 5 | 9 | 79 | 14 | 2 | 2 | 19 | 1 | 1,541 |
| 1 | 49 | 0 | 2 | 1 | 4 | 54 | 13 | 1 | 2 | 0 | 0 | 2,254 |
| 18 | 28 | 0 | 0 | 5 | 2 | 384 | 12 | 1 | 0 | 2 | 1 | 708 |
| 26 | 8 | 0 | 0 | 2 | 2 | 27 | 15 | 0 | 4 | 6 | 0 | 2,005 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 551 | 3,276 | 2 | 32 | 40 | 534 | 9,246 | 1,150 | 39 | 8 | 112 | 14 | 6,055 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 71,934 | 13,907 | 1,177 | 1,467 | 6,961 | 11,263 | 67,418 | 26,037 | 1,963 | 8,826 | 36,460 | 822 | 58,277 |
| 45 | 6 | 1 | 1 | 6 | 2 | 15 | 6 | 0 | 29 | 11 | 0 | 13 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2,826 | 11,677 | 654 | 398 | 2,511 | 4,407 | 20,127 | 9,642 | 839 | 4,083 | 12,896 | 608 | 47,102 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 74,805 | 25,590 | 1,832 | 1,866 | 9,478 | 15,672 | 87,560 | 35,685 | 2,802 | 12,938 | 49,368 | 1,430 | 105,391 |

continued on next page

Table A8.2 Imports Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 497 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 1 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 1,217 | 0 | 187 | 0 | 1 |
| Textiles and textile products | m4 | 43 | 31 | 19 | 35 | 4 | 4 |
| Leather, leather products, and footwear | m5 | 1 | 4 | 4 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | 6 | 18 | 2 | 10 | 1 | 9 |
| Pulp, paper, paper products, printing, and publishing | m7 | 10 | 11 | 1 | 0 | 2 | 0 |
| Coke, refined petroleum, and nuclear fuel | m8 | 14 | 36 | 240 | 6,510 | 2,868 | 49 |
| Chemicals and chemical products | m9 | 6 | 23 | 3 | 20 | 2 | 9 |
| Rubber and plastics | m10 | 11 | 68 | 17 | 36 | 1 | 36 |
| Other nonmetallic minerals | m11 | 1 | 4 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 1 | 9 | 3 | 20 | 1 | 13 |
| Machinery, nec | m13 | 3 | 3 | 14 | 31 | 1 | 37 |
| Electrical and optical equipment | m14 | 18 | 31 | 21 | 26 | 12 | 26 |
| Transport equipment | m15 | 4 | 3 | 27 | 331 | 11 | 2 |
| Manufacturing, nec; recycling | m16 | 1 | 12 | 0 | 5 | 0 | 0 |
| Electricity, gas, and water supply | m17 | 0 | 0 | 0 | 59 | 0 | 0 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | 0 | 3 | 5 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 2 | 0 | 0 | 0 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 100 | 46 | 21 | 317 | 151 | 168 |
| Inland transport | m23 | 9 | 4 | 2 | 47 | 14 | 19 |
| Water transport | m24 | 0 | 0 | 1 | 17,822 | 0 | 60 |
| Air transport | m25 | 9 | 4 | 2 | 24 | 1,571 | 35 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 11 | 2,329 | 332 | 869 |
| Post and telecommunications | m27 | 1 | 1 | 1 | 33 | 13 | 7 |
| Financial intermediation | m28 | 6 | 5 | 1 | 133 | 83 | 10 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 35 | 41 | 3 | 5,130 | 834 | 37 |
| Public administration and defense; compulsory social security | m31 | – | – | – | – | – | – |
| Education | m32 | 0 | 0 | 0 | 6 | 2 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 5,748 | 7,847 | 3,803 | 48,975 | 12,268 | 3,645 |
| Taxes less subsidies on products | r99 | 7 | 17 | 7 | 25 | 50 | 6 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – |
| Value added at basic prices | r64 | 5,723 | 6,413 | 4,322 | 9,009 | 4,796 | 3,797 |
| International transport margins | | – | – | – | – | – | – |
| Output at basic prices | r69 | 11,478 | 14,277 | 8,131 | 58,010 | 17,114 | 7,448 |

continued on next page

Table A8.2 Imports Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|---------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 0 | 1 | 0 | 6 | 2 | 0 | 1 | 4 | 4 | 777 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 3 | 19 | 1 | 10 | 78 | 0 | 15 | 5 | 19 | 2,259 | - |
| 20 | 1 | 1 | 35 | 27 | 3 | 35 | 15 | 33 | 2,146 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 28 | - |
| 15 | 19 | 2 | 29 | 9 | 23 | 6 | 5 | 1 | 210 | - |
| 38 | 8 | 0 | 51 | 3 | 1 | 1 | 1 | 1 | 150 | - |
| 60 | 39 | 7 | 127 | 139 | 7 | 24 | 3 | 4 | 18 | - |
| 63 | 23 | 1 | 231 | 101 | 42 | 206 | 10 | 26 | 333 | - |
| 76 | 43 | 1 | 136 | 17 | 61 | 17 | 17 | 1 | 307 | - |
| 10 | 0 | 0 | 23 | 3 | 18 | 1 | 3 | 4 | 103 | - |
| 3 | 0 | 0 | 168 | 1,295 | 4 | 2 | 3 | 3 | 165 | - |
| 47 | 2 | 36 | 441 | 524 | 2 | 2 | 20 | 1 | 145 | - |
| 1,226 | 72 | 7 | 527 | 911 | 111 | 104 | 80 | 10 | 3,011 | - |
| 0 | 2 | 0 | 83 | 1,169 | 0 | 0 | 1 | 0 | 814 | - |
| 17 | 11 | 3 | 103 | 5 | 61 | 19 | 45 | 4 | 2,345 | - |
| 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | - |
| 0 | 0 | 0 | 75 | 1 | 0 | 0 | 0 | 0 | 0 | - |
| 2 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | 0 | 0 | - |
| 2,202 | 35 | 0 | 223 | 0 | 1 | 4 | 0 | 0 | 0 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 577 | 1,067 | 14 | 1,808 | 74 | 92 | 31 | 50 | 0 | 0 | - |
| 50 | 66 | 1 | 104 | 7 | 9 | 3 | 5 | 0 | 0 | - |
| 15 | 0 | 0 | 182 | 3 | 0 | 0 | 0 | - | 0 | - |
| 112 | 64 | 1 | 130 | 4 | 9 | 4 | 5 | 2 | 687 | - |
| 35 | 3 | 0 | 131 | 0 | 0 | 0 | 0 | - | 0 | - |
| 7,576 | 1,152 | 0 | 3,408 | 6 | 4 | 6 | 27 | 0 | 24 | - |
| 22 | 8,850 | 18 | 135 | 2 | 5 | 3 | 5 | 0 | 0 | - |
| 2 | 2 | 4 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | - |
| 975 | 3,596 | 10 | 8,698 | 39 | 29 | 12 | 199 | 0 | 8 | - |
| - | - | - | - | 0 | - | - | - | - | - | - |
| 7 | 13 | 0 | 19 | 4 | 93 | 7 | 1 | 0 | 0 | - |
| 0 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 2 | 0 | 0 | 69 | 1 | 1 | 0 | 27 | 0 | 1,013 | - |
| - | - | - | - | 0 | - | 1 | - | - | - | - |
| 28,422 | 37,999 | 6,545 | 45,739 | 21,630 | 3,823 | 5,850 | 3,614 | 802 | 100,724 | - |
| 30 | 180 | 129 | 40 | 51 | 30 | 104 | 47 | 1 | 14,379 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 12,733 | 40,351 | 11,807 | 45,016 | 8,581 | 10,983 | 7,966 | 5,735 | 3,198 | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 41,185 | 78,530 | 18,481 | 90,795 | 30,261 | 14,836 | 13,921 | 9,396 | 4,002 | 115,103 | - |

continued on next page

Table A8.2 Imports Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|----------------|------------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 63 | 605 | - | 2,487 |
| Mining and quarrying | m2 | 0 | 0 | (1) | - | 5 |
| Food, beverages, and tobacco | m3 | 0 | 0 | 699 | - | 6,553 |
| Textiles and textile products | m4 | 0 | 6 | 77 | - | 2,976 |
| Leather, leather products, and footwear | m5 | 0 | 0 | (0) | - | 54 |
| Wood and products of wood and cork | m6 | 0 | 0 | 161 | - | 1,308 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 6 | 34 | - | 571 |
| Coke, refined petroleum, and nuclear fuel | m8 | - | - | (651) | - | 50,843 |
| Chemicals and chemical products | m9 | 0 | 0 | (247) | - | 7,495 |
| Rubber and plastics | m10 | 0 | 53 | (47) | - | 2,574 |
| Other nonmetallic minerals | m11 | 0 | 83 | (260) | - | 2,129 |
| Basic metals and fabricated metal | m12 | 0 | 211 | 6,379 | - | 17,783 |
| Machinery, nec | m13 | 0 | 3,634 | (155) | - | 12,372 |
| Electrical and optical equipment | m14 | 0 | 4,052 | 1,678 | - | 41,061 |
| Transport equipment | m15 | 0 | 3,194 | 669 | - | 11,694 |
| Manufacturing, nec; recycling | m16 | 0 | 367 | 461 | - | 4,146 |
| Electricity, gas, and water supply | m17 | 0 | 0 | (5) | - | 6,199 |
| Construction | m18 | 0 | 22 | (1) | - | 253 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | - | 28 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 0 | 0 | 0 | - | 4,031 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | - | 1 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | - | 5,627 |
| Inland transport | m23 | 0 | 0 | 0 | - | 449 |
| Water transport | m24 | - | 0 | 0 | - | 31,080 |
| Air transport | m25 | 0 | 0 | 0 | - | 4,386 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | - | 6,092 |
| Post and telecommunications | m27 | 0 | 2,230 | 0 | - | 15,657 |
| Financial intermediation | m28 | - | - | 0 | - | 11,380 |
| Real estate activities | m29 | 0 | 0 | 0 | - | 32 |
| Renting of M&Eq and other business activities | m30 | 0 | 6,044 | 0 | - | 47,154 |
| Public administration and defense; compulsory social security | m31 | - | - | - | - | 0 |
| Education | m32 | 0 | 0 | 0 | - | 163 |
| Health and social work | m33 | 0 | 0 | 0 | - | 21 |
| Other community, social, and personal services | m34 | 0 | 0 | 0 | - | 1,112 |
| Private households with employed persons | m35 | - | - | - | - | 1 |
| Total intermediate consumption | r60 | 35,134 | 76,227 | 13,606 | 376,303 | 1,154,796 |
| Taxes less subsidies on products | r99 | - | 3,748 | - | - | 18,993 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | - | - | - | - | 303,411 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 35,134 | 79,975 | 13,606 | 376,303 | 1,477,200 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

APPENDIX 9: INPUT-OUTPUT TABLES FOR 2010 AND 2017—THAILAND

A9



Table A9.1: Thailand Input–Output Table, 2010 (current prices, \$ million)

| Industry | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing | |
|--|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|-----|
| | c1 | c2 | c3 | c4 | c5 | c6 | c7 | |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 2,264 | 93 | 20,102 | 72 | 4 | 191 | 45 |
| Mining and quarrying | c2 | 1 | 93 | 27 | 1 | 0 | 1 | 3 |
| Food, beverages, and tobacco | c3 | 3,447 | 0 | 14,146 | 77 | 8 | 10 | 110 |
| Textiles and textile products | c4 | 105 | 52 | 55 | 3,228 | 11 | 1 | 23 |
| Leather, leather products, and footwear | c5 | 0 | - | 3 | 5 | 21 | 1 | 1 |
| Wood and products of wood and cork | c6 | 18 | 2 | 8 | 18 | 2 | 1,245 | 10 |
| Pulp, paper, paper products, printing, and publishing | c7 | 35 | 6 | 236 | 35 | 5 | 206 | 436 |
| Coke, refined petroleum, and nuclear fuel | c8 | 549 | 185 | 52 | 271 | 8 | 10 | 14 |
| Chemicals and chemical products | c9 | 1,506 | 139 | 329 | 1,025 | 80 | 56 | 215 |
| Rubber and plastics | c10 | 305 | 54 | 823 | 437 | 286 | 19 | 195 |
| Other nonmetallic minerals | c11 | 82 | 44 | 191 | 181 | 0 | 20 | 12 |
| Basic metals and fabricated metal | c12 | 266 | 536 | 1,375 | 146 | 137 | 155 | 143 |
| Machinery, nec | c13 | 567 | 560 | 141 | 479 | 23 | 12 | 36 |
| Electrical and optical equipment | c14 | 145 | 66 | 67 | 205 | 9 | 5 | 25 |
| Transport equipment | c15 | 41 | 18 | 2 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 88 | 27 | 70 | 603 | 100 | 9 | 17 |
| Electricity, gas, and water supply | c17 | 123 | 136 | 1,552 | 866 | 18 | 72 | 220 |
| Construction | c18 | 7 | 4 | 24 | 5 | 1 | 1 | 4 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 14 | 10 | 49 | 10 | 2 | 1 | 4 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 367 | 836 | 6,471 | 1,260 | 295 | 81 | 380 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1,574 | 761 | 2,564 | 533 | 125 | 68 | 318 |
| Hotels and restaurants | c22 | 27 | 17 | 34 | 5 | 10 | 1 | 18 |
| Inland transport | c23 | 217 | 39 | 967 | 187 | 49 | 21 | 53 |
| Water transport | c24 | 153 | 110 | 576 | 113 | 30 | 18 | 47 |
| Air transport | c25 | 31 | 39 | 128 | 29 | 7 | 7 | 18 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 19 | 14 | 190 | 73 | 19 | 14 | 36 |
| Post and telecommunications | c27 | 18 | 179 | 133 | 39 | 4 | 5 | 44 |
| Financial intermediation | c28 | 529 | 110 | 575 | 235 | 24 | 18 | 138 |
| Real estate activities | c29 | 6 | 15 | 44 | 13 | 2 | 2 | 6 |
| Renting of M&Eq and other business activities | c30 | 530 | 3,909 | 1,900 | 488 | 47 | 64 | 642 |
| Public administration and defense; compulsory social security | c31 | 6 | 4 | 28 | 8 | 1 | 0 | 6 |
| Education | c32 | 5 | 0 | 15 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 11 | 6 | 106 | 54 | 3 | 1 | 23 |
| Private households with employed persons | c35 | - | - | - | - | - | - | - |

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Table A9.1 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| 1 | 113 | 1,887 | 4 | 98 | 2 | 3 | 31 | 184 | 33 | 81 | 2 | 41 |
| 5,632 | 952 | 1 | 2,904 | 109 | 62 | 97 | 9 | 118 | 1,662 | 452 | - | - |
| 14 | 635 | 47 | 46 | 1 | 21 | 37 | 1 | 32 | 120 | 0 | 4 | 119 |
| 9 | 193 | 262 | 160 | 255 | 53 | 114 | 151 | 412 | 82 | 267 | 8 | 221 |
| - | 0 | 3 | 13 | 15 | 0 | 2 | 24 | 106 | 1 | 8 | 9 | 250 |
| 1 | 0 | 4 | 1 | 128 | 1 | 1 | 152 | 789 | 3 | 333 | 3 | 22 |
| 1 | 7 | 48 | 10 | 260 | 5 | 5 | 154 | 50 | 14 | 62 | 7 | 265 |
| 10,819 | 715 | 124 | 125 | 313 | 5 | 9 | 24 | 33 | 208 | 447 | 6 | 123 |
| 1,631 | 8,143 | 3,732 | 449 | 449 | 31 | 141 | 175 | 500 | 623 | 1,198 | 1 | 126 |
| 8 | 210 | 3,603 | 34 | 4,323 | 529 | 166 | 1,558 | 424 | 51 | 451 | 18 | 2,874 |
| 223 | 502 | 108 | 4,435 | 842 | 30 | 49 | 186 | 177 | 408 | 5,645 | 1 | 110 |
| 23 | 236 | 392 | 494 | 49,089 | 1,392 | 1,344 | 10,212 | 1,068 | 861 | 4,558 | 52 | 1,511 |
| 628 | 279 | 187 | 181 | 345 | 318 | 97 | 306 | 46 | 316 | 434 | 13 | 294 |
| 428 | 143 | 338 | 43 | 254 | 189 | 539 | 201 | 76 | 690 | 746 | 2 | 156 |
| 0 | 0 | - | 0 | 54 | 0 | 0 | 11,357 | 0 | 0 | 0 | 22 | 671 |
| 361 | 169 | 134 | 90 | 981 | 10 | 19 | 85 | 401 | 91 | 447 | 9 | 192 |
| 74 | 841 | 996 | 860 | 1,878 | 229 | 353 | 897 | 134 | 4,527 | 393 | 68 | 3,287 |
| 4 | 9 | 9 | 7 | 32 | 4 | 7 | 12 | 3 | 20 | 10 | 1 | 27 |
| 7 | 10 | 10 | 10 | 63 | 7 | 8 | 18 | 8 | 8 | 15 | 0 | 5 |
| 894 | 1,256 | 1,235 | 1,564 | 1,579 | 568 | 687 | 1,872 | 803 | 569 | 1,719 | 31 | 1,099 |
| 433 | 609 | 599 | 569 | 7,310 | 561 | 679 | 1,267 | 614 | 749 | 990 | 30 | 33 |
| 6 | 38 | 20 | 28 | 96 | 10 | 19 | 42 | 16 | 45 | 32 | 23 | 470 |
| 37 | 258 | 195 | 352 | 931 | 91 | 101 | 329 | 126 | 169 | 295 | 7 | 143 |
| 56 | 387 | 185 | 396 | 1,008 | 117 | 129 | 373 | 118 | 240 | 320 | 8 | 168 |
| 12 | 84 | 41 | 81 | 223 | 24 | 26 | 84 | 56 | 51 | 28 | 43 | 897 |
| 8 | 56 | 136 | 168 | 319 | 21 | 23 | 148 | 51 | 23 | 8 | 17 | 350 |
| 4 | 42 | 67 | 77 | 230 | 65 | 52 | 125 | 39 | 50 | 81 | 18 | 448 |
| 20 | 287 | 262 | 316 | 671 | 124 | 244 | 536 | 175 | 1,237 | 406 | 117 | 2,884 |
| 4 | 10 | 18 | 23 | 103 | 18 | 21 | 28 | 15 | 7 | 22 | 9 | 257 |
| 70 | 803 | 535 | 603 | 4,096 | 414 | 918 | 1,270 | 329 | 666 | 1,604 | 12 | 1,902 |
| 1 | 25 | 7 | 11 | 211 | 6 | 8 | 37 | 6 | 36 | 19 | 1 | 31 |
| 0 | 1 | 4 | 2 | 17 | 1 | 1 | 6 | 1 | 0 | 0 | 0 | 3 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 2 |
| 2 | 20 | 8 | 22 | 48 | 8 | 15 | 100 | 14 | 33 | 25 | 2 | 335 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A9.1 Domestic Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|-----|--|---------------------------|---------------------|--------------------|------------------|---|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 40 | 1,901 | 74 | 9 | 46 | 21 |
| Mining and quarrying | c2 | - | 17 | 43 | - | - | - |
| Food, beverages, and tobacco | c3 | 68 | 7,577 | 12 | 1 | 178 | 18 |
| Textiles and textile products | c4 | 187 | 320 | 143 | 52 | 40 | 13 |
| Leather, leather products, and footwear | c5 | 196 | 1 | - | - | 5 | 2 |
| Wood and products of wood and cork | c6 | 13 | 3 | 2 | 0 | 0 | 5 |
| Pulp, paper, paper products, printing, and publishing | c7 | 183 | 43 | 11 | 2 | 2 | 35 |
| Coke, refined petroleum, and nuclear fuel | c8 | 63 | 122 | 2,637 | 583 | 521 | 65 |
| Chemicals and chemical products | c9 | 91 | 77 | 697 | 154 | 138 | 17 |
| Rubber and plastics | c10 | 2,314 | 174 | 148 | 10 | 5 | 32 |
| Other nonmetallic minerals | c11 | 80 | 43 | 208 | 10 | 6 | 19 |
| Basic metals and fabricated metal | c12 | 1,111 | 210 | 278 | 77 | 75 | 131 |
| Machinery, nec | c13 | 109 | 67 | 182 | 142 | 89 | 6 |
| Electrical and optical equipment | c14 | 113 | 51 | 305 | 238 | 148 | 10 |
| Transport equipment | c15 | 467 | - | 176 | 191 | 103 | 14 |
| Manufacturing, nec; recycling | c16 | 113 | 140 | 2 | 0 | - | 290 |
| Electricity, gas, and water supply | c17 | 661 | 2,035 | 86 | 13 | 81 | 123 |
| Construction | c18 | 29 | 31 | 4 | 1 | 2 | 3 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 13 | 14 | 9 | 2 | 2 | 2 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 174 | 1,573 | 1,383 | 278 | 327 | 288 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1,600 | 944 | 398 | 80 | 94 | 83 |
| Hotels and restaurants | c22 | 613 | 25 | 35 | 5 | 2 | 99 |
| Inland transport | c23 | 185 | 250 | 92 | 27 | 25 | 19 |
| Water transport | c24 | 217 | 11 | 4 | 187 | 1 | 4 |
| Air transport | c25 | 1,160 | 61 | 19 | 59 | 1,317 | 351 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 453 | 55 | 152 | 198 | 858 | 730 |
| Post and telecommunications | c27 | 427 | 182 | 48 | 56 | 176 | 169 |
| Financial intermediation | c28 | 2,853 | 442 | 246 | 122 | 197 | 111 |
| Real estate activities | c29 | 198 | 97 | 23 | 11 | 18 | 46 |
| Renting of M&Eq and other business activities | c30 | 1,531 | 1,154 | 3,113 | 370 | 598 | 790 |
| Public administration and defense; compulsory social security | c31 | 33 | 19 | 8 | 3 | 15 | 15 |
| Education | c32 | 2 | 1 | 1 | 0 | 2 | 1 |
| Health and social work | c33 | 1 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 270 | 160 | 31 | 3 | 5 | 103 |
| Private households with employed persons | c35 | - | - | - | - | - | - |

continued on next page

Table A9.1 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| 33 | 51 | 51 | 274 | 126 | 346 | 438 | 84 | - | 12,406 | - |
| - | - | - | - | - | 0 | 0 | 1 | - | 3 | - |
| 1 | 49 | 2 | 29 | 224 | 505 | 265 | 104 | - | 32,351 | - |
| 11 | 82 | 20 | 232 | 69 | 51 | 143 | 54 | - | 6,155 | - |
| - | 1 | - | - | 11 | 0 | 2 | 29 | - | 1,619 | - |
| 2 | 5 | 1 | 70 | 11 | 140 | 3 | 2 | - | 46 | - |
| 45 | 230 | 4 | 1,922 | 445 | 1,598 | 56 | 60 | - | 1,045 | - |
| 8 | 165 | 16 | 165 | 118 | 17 | 52 | 28 | - | 2,911 | - |
| 13 | 7 | 30 | 412 | 142 | 108 | 499 | 149 | - | 3,100 | - |
| 15 | 40 | 19 | 442 | 20 | 18 | 118 | 43 | - | 408 | - |
| 1 | 9 | 10 | 162 | 59 | 35 | 49 | 36 | - | 260 | - |
| 368 | 239 | 105 | 2,080 | 953 | 393 | 475 | 284 | - | 2,003 | - |
| 6 | 8 | 4 | 285 | 172 | 89 | 102 | 25 | - | 230 | - |
| 52 | 18 | 8 | 522 | 200 | 424 | 1,380 | 135 | - | 1,703 | - |
| 1 | - | 3 | 31 | 9 | 0 | - | 0 | - | 9,868 | - |
| 19 | 16 | 6 | 961 | 214 | 561 | 163 | 295 | - | 3,095 | - |
| 418 | 291 | 896 | 707 | 783 | 1,048 | 579 | 405 | - | 3,956 | - |
| 7 | 21 | 30 | 86 | 480 | 356 | 67 | 39 | - | 377 | - |
| 3 | 4 | 3 | 20 | 6 | 7 | 6 | 3 | - | 97 | - |
| 300 | 566 | 123 | 857 | 517 | 369 | 304 | 182 | - | 6,168 | - |
| 219 | 227 | 315 | 2,188 | 470 | 665 | 548 | 328 | - | 10,769 | - |
| 56 | 99 | 9 | 620 | 606 | 221 | 49 | 51 | - | 24,378 | - |
| 13 | 39 | 10 | 192 | 293 | 299 | 115 | 36 | - | 9,955 | - |
| 0 | 1 | 0 | 7 | 13 | 4 | 4 | 1 | - | 439 | - |
| 235 | 185 | 17 | 226 | 122 | 19 | 50 | 74 | - | 1,098 | - |
| 363 | 90 | 6 | 493 | 32 | 12 | 7 | 53 | - | 969 | - |
| 900 | 263 | 61 | 1,557 | 346 | 148 | 40 | 156 | - | 2,998 | - |
| 502 | 981 | 948 | 1,212 | 76 | 228 | 102 | 113 | - | 4,666 | - |
| 32 | 326 | 34 | 491 | 143 | 38 | 8 | 63 | - | 9,750 | - |
| 1,295 | 1,866 | 1,222 | 5,193 | 1,469 | 542 | 303 | 841 | - | 1,170 | - |
| 38 | 158 | 20 | 141 | - | 10 | 6 | 87 | - | 309 | - |
| 0 | 27 | 0 | 30 | 0 | 0 | 0 | 5 | - | 2,450 | 0 |
| 0 | 74 | 0 | 2 | 0 | 1 | 1 | 6 | - | 6,623 | 2 |
| 67 | 46 | 15 | 1,616 | 540 | 210 | 51 | 349 | - | 3,538 | 1 |
| - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A9.1 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|----------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | - | 128 | 4,726 | 46,001 |
| Mining and quarrying | c2 | - | - | (26) | 188 | 12,349 |
| Food, beverages, and tobacco | c3 | - | - | 387 | 15,291 | 75,935 |
| Textiles and textile products | c4 | - | - | 40 | 5,725 | 18,998 |
| Leather, leather products, and footwear | c5 | - | - | (59) | 528 | 2,797 |
| Wood and products of wood and cork | c6 | - | 5 | (17) | 1,040 | 4,072 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | 25 | (79) | 1,149 | 8,621 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | 1 | 5,914 | 5,461 | 32,887 |
| Chemicals and chemical products | c9 | - | 0 | (3,958) | 3,669 | 25,894 |
| Rubber and plastics | c10 | - | - | 83 | 6,400 | 26,658 |
| Other nonmetallic minerals | c11 | - | 0 | (26) | 7,577 | 21,785 |
| Basic metals and fabricated metal | c12 | - | 11,805 | 853 | 41,816 | 137,243 |
| Machinery, nec | c13 | - | 4 | (22) | 2,498 | 9,256 |
| Electrical and optical equipment | c14 | - | 3 | (26) | 1,701 | 11,312 |
| Transport equipment | c15 | - | 17,892 | (48) | 16,465 | 57,337 |
| Manufacturing, nec; recycling | c16 | - | 1 | 47 | 2,012 | 11,837 |
| Electricity, gas, and water supply | c17 | - | - | 249 | 121 | 29,974 |
| Construction | c18 | - | 33,336 | - | 1 | 35,057 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | 0 | (0) | 422 | 872 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | - | 2,922 | 102 | 12,569 | 52,568 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | 1,424 | 105 | 2,295 | 43,137 |
| Hotels and restaurants | c22 | - | - | - | 4,532 | 32,360 |
| Inland transport | c23 | - | 488 | 24 | 4,419 | 21,049 |
| Water transport | c24 | - | 22 | 1 | 320 | 5,790 |
| Air transport | c25 | - | 49 | 2 | 1,759 | 8,713 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | 0 | 0 | 798 | 6,961 |
| Post and telecommunications | c27 | - | - | - | 1,368 | 10,615 |
| Financial intermediation | c28 | - | - | - | 312 | 22,017 |
| Real estate activities | c29 | - | 376 | - | - | 12,276 |
| Renting of M&Eq and other business activities | c30 | - | - | - | 3,056 | 45,313 |
| Public administration and defense; compulsory social security | c31 | 28,324 | - | - | 0 | 29,639 |
| Education | c32 | 18,255 | - | - | 70 | 20,903 |
| Health and social work | c33 | 8,473 | - | - | 672 | 15,873 |
| Other community, social, and personal services | c34 | 805 | - | - | 3,275 | 11,925 |
| Private households with employed persons | c35 | - | - | - | - | - |

continued on next page

Table A9.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 447 | 22 | 3,782 | 14 | 1 | 31 | 6 |
| Mining and quarrying | m2 | 0 | 71 | 24 | 0 | 0 | 0 | 1 |
| Food, beverages, and tobacco | m3 | 386 | 0 | 1,644 | 8 | 1 | 1 | 11 |
| Textiles and textile products | m4 | 19 | 9 | 10 | 543 | 2 | 0 | 4 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 1 | 1 | 4 | 0 | 0 |
| Wood and products of wood and cork | m6 | 1 | 0 | 1 | 1 | 0 | 94 | 1 |
| Pulp, paper, paper products, printing, and publishing | m7 | 9 | 1 | 65 | 9 | 1 | 53 | 161 |
| Coke, refined petroleum, and nuclear fuel | m8 | 70 | 22 | 7 | 33 | 1 | 1 | 2 |
| Chemicals and chemical products | m9 | 163 | 13 | 35 | 101 | 36 | 9 | 29 |
| Rubber and plastics | m10 | 38 | 7 | 111 | 56 | 35 | 3 | 23 |
| Other nonmetallic minerals | m11 | 2 | 1 | 5 | 4 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 155 | 321 | 847 | 84 | 76 | 92 | 76 |
| Machinery, nec | m13 | 273 | 279 | 72 | 228 | 11 | 6 | 16 |
| Electrical and optical equipment | m14 | 119 | 56 | 59 | 166 | 7 | 4 | 20 |
| Transport equipment | m15 | 9 | 4 | 1 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 11 | 4 | 9 | 89 | 14 | 1 | 3 |
| Electricity, gas, and water supply | m17 | 1 | 1 | 18 | 8 | 0 | 1 | 2 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 55 | 39 | 246 | 40 | 8 | 4 | 12 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 17 | 6 | 54 | 20 | 6 | 2 | 16 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 25 | 12 | 50 | 9 | 2 | 1 | 4 |
| Hotels and restaurants | m22 | 2 | 1 | 3 | 0 | 1 | 0 | 1 |
| Inland transport | m23 | 6 | 2 | 31 | 5 | 1 | 1 | 1 |
| Water transport | m24 | 543 | 395 | 2,415 | 402 | 94 | 70 | 136 |
| Air transport | m25 | 19 | 24 | 91 | 18 | 4 | 5 | 10 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 6 | 5 | 76 | 25 | 6 | 5 | 10 |
| Post and telecommunications | m27 | 3 | 34 | 30 | 7 | 1 | 1 | 6 |
| Financial intermediation | m28 | 54 | 9 | 58 | 23 | 2 | 3 | 11 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 46 | 338 | 182 | 42 | 4 | 6 | 52 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 2 | 1 | 26 | 12 | 1 | 0 | 4 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 15,534 | 9,740 | 62,941 | 12,650 | 1,651 | 2,707 | 3,862 |
| Taxes less subsidies on products | r99 | 681 | 362 | 1,785 | 380 | 72 | 50 | 86 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 29,786 | 2,248 | 11,208 | 5,968 | 1,075 | 1,316 | 4,674 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 46,001 | 12,349 | 75,935 | 18,998 | 2,797 | 4,072 | 8,621 |

continued on next page

Table A9.1 Import Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 22 | 367 | 1 | 25 | 0 | 0 |
| Mining and quarrying | m2 | 4,623 | 850 | 1 | 2,497 | 84 | 46 | 63 |
| Food, beverages, and tobacco | m3 | 1 | 68 | 5 | 5 | 0 | 2 | 3 |
| Textiles and textile products | m4 | 2 | 33 | 45 | 27 | 47 | 9 | 17 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 1 | 3 | 3 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 10 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 8 | 12 | 5 | 69 | 3 | 3 |
| Coke, refined petroleum, and nuclear fuel | m8 | 1,267 | 85 | 15 | 15 | 39 | 1 | 1 |
| Chemicals and chemical products | m9 | 149 | 761 | 356 | 53 | 46 | 25 | 21 |
| Rubber and plastics | m10 | 1 | 26 | 464 | 4 | 571 | 67 | 23 |
| Other nonmetallic minerals | m11 | 5 | 11 | 2 | 98 | 19 | 2 | 4 |
| Basic metals and fabricated metal | m12 | 13 | 138 | 233 | 286 | 29,463 | 794 | 721 |
| Machinery, nec | m13 | 294 | 132 | 89 | 85 | 171 | 150 | 43 |
| Electrical and optical equipment | m14 | 340 | 115 | 275 | 34 | 214 | 203 | 710 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 13 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 48 | 23 | 18 | 12 | 144 | 1 | 2 |
| Electricity, gas, and water supply | m17 | 0 | 5 | 6 | 5 | 20 | 2 | 3 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 27 | 41 | 44 | 37 | 286 | 26 | 21 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 21 | 31 | 17 | 10 | 14 | 26 | 24 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 6 | 9 | 10 | 9 | 128 | 8 | 7 |
| Hotels and restaurants | m22 | 0 | 3 | 2 | 2 | 8 | 1 | 1 |
| Inland transport | m23 | 1 | 8 | 6 | 10 | 30 | 3 | 3 |
| Water transport | m24 | 188 | 1,363 | 690 | 1,363 | 3,896 | 396 | 330 |
| Air transport | m25 | 7 | 51 | 26 | 48 | 148 | 15 | 16 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 3 | 19 | 49 | 56 | 118 | 7 | 6 |
| Post and telecommunications | m27 | 1 | 8 | 13 | 14 | 47 | 12 | 7 |
| Financial intermediation | m28 | 2 | 28 | 24 | 28 | 62 | 13 | 18 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 6 | 69 | 48 | 51 | 373 | 35 | 65 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 4 | 2 | 5 | 11 | 2 | 2 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 28,418 | 20,943 | 18,018 | 18,842 | 112,389 | 6,766 | 8,031 |
| Taxes less subsidies on products | r99 | 1,969 | 852 | 510 | 675 | 1,350 | 152 | 239 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 2,500 | 4,099 | 8,130 | 2,267 | 23,504 | 2,338 | 3,042 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 32,887 | 25,894 | 26,658 | 21,785 | 137,243 | 9,256 | 11,312 |

continued on next page

Table A9.1 Import Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|---------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | | | | | |
| 0 | 22 | 367 | 1 | 25 | 0 | 0 | 11 | 0 | 0 | 0 | 0 |
| 4,623 | 850 | 1 | 2,497 | 84 | 46 | 63 | 0 | 0 | 0 | 0 | 0 |
| 1 | 68 | 5 | 5 | 0 | 2 | 3 | 286 | 0 | 1 | 7 | 0 |
| 2 | 33 | 45 | 27 | 47 | 9 | 17 | 12 | 4 | 0 | 4 | 11 |
| 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 10 | 0 | 0 | 1 | 13 | 0 | 0 | 1 |
| 0 | 8 | 12 | 5 | 69 | 3 | 3 | 12 | 7 | 0 | 7 | 8 |
| 1,267 | 85 | 15 | 15 | 39 | 1 | 1 | 4 | 359 | 40 | 326 | 13 |
| 149 | 761 | 356 | 53 | 46 | 25 | 21 | 10 | 20 | 1 | 3 | 9 |
| 1 | 26 | 464 | 4 | 571 | 67 | 23 | 3 | 41 | 1 | 13 | 2 |
| 5 | 11 | 2 | 98 | 19 | 2 | 4 | 1 | 0 | 0 | 0 | 0 |
| 13 | 138 | 233 | 286 | 29,463 | 794 | 721 | 1 | 80 | 0 | 2 | 19 |
| 294 | 132 | 89 | 85 | 171 | 150 | 43 | 0 | 0 | 0 | 0 | 3 |
| 340 | 115 | 275 | 34 | 214 | 203 | 710 | 12 | 177 | 19 | 8 | 30 |
| 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 49 | 3 |
| 48 | 23 | 18 | 12 | 144 | 1 | 2 | 3 | 2 | 0 | 4 | 7 |
| 0 | 5 | 6 | 5 | 20 | 2 | 3 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 41 | 44 | 37 | 286 | 26 | 21 | 0 | 0 | 0 | 0 | 0 |
| 21 | 31 | 17 | 10 | 14 | 26 | 24 | 3 | 1 | 4 | 2 | 1 |
| 6 | 9 | 10 | 9 | 128 | 8 | 7 | 0 | 1 | 0 | 0 | 0 |
| 0 | 3 | 2 | 2 | 8 | 1 | 1 | 55 | 0 | 0 | 2 | 0 |
| 1 | 8 | 6 | 10 | 30 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| 188 | 1,363 | 690 | 1,363 | 3,896 | 396 | 330 | 1 | 1 | 2 | 6 | 2 |
| 7 | 51 | 26 | 48 | 148 | 15 | 16 | 2 | 0 | 2 | 17 | 7 |
| 3 | 19 | 49 | 56 | 118 | 7 | 6 | 0 | 3 | 0 | 2 | 6 |
| 1 | 8 | 13 | 14 | 47 | 12 | 7 | 0 | 1 | 0 | 1 | 0 |
| 2 | 28 | 24 | 28 | 62 | 13 | 18 | 2 | 8 | 1 | 3 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 69 | 48 | 51 | 373 | 35 | 65 | 1 | 0 | 2 | 7 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 4 | 2 | 5 | 11 | 2 | 2 | 2 | 0 | 0 | 0 | 3 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 28,418 | 20,943 | 18,018 | 18,842 | 112,389 | 6,766 | 8,031 | 5,359 | 3,592 | 464 | 2,883 | 954 |
| 1,969 | 852 | 510 | 675 | 1,350 | 152 | 239 | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 2,500 | 4,099 | 8,130 | 2,267 | 23,504 | 2,338 | 3,042 | 3,220 | 4,056 | 420 | 1,024 | 1,249 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 32,887 | 25,894 | 26,658 | 21,785 | 137,243 | 9,256 | 11,312 | 8,579 | 7,648 | 884 | 3,907 | 2,202 |

continued on next page

Table A9.1 Import Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 7 | 11 | 10 | 62 | 28 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 5 | 0 | 3 | 24 |
| Textiles and textile products | m4 | 2 | 14 | 3 | 39 | 12 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 2 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 5 | 1 |
| Pulp, paper, paper products, printing, and publishing | m7 | 12 | 58 | 1 | 490 | 112 |
| Coke, refined petroleum, and nuclear fuel | m8 | 1 | 20 | 2 | 20 | 15 |
| Chemicals and chemical products | m9 | 1 | 2 | 3 | 38 | 13 |
| Rubber and plastics | m10 | 2 | 5 | 2 | 56 | 3 |
| Other nonmetallic minerals | m11 | 0 | 0 | 0 | 4 | 1 |
| Basic metals and fabricated metal | m12 | 211 | 138 | 61 | 1,217 | 583 |
| Machinery, nec | m13 | 3 | 4 | 2 | 136 | 82 |
| Electrical and optical equipment | m14 | 42 | 15 | 7 | 421 | 162 |
| Transport equipment | m15 | 0 | 0 | 1 | 5 | 2 |
| Manufacturing, nec; recycling | m16 | 3 | 2 | 1 | 140 | 33 |
| Electricity, gas, and water supply | m17 | 4 | 3 | 9 | 7 | 7 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 12 | 16 | 12 | 81 | 22 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 4 | 1 | 8 | 3 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 3 | 3 | 5 | 34 | 7 |
| Hotels and restaurants | m22 | 4 | 7 | 1 | 44 | 41 |
| Inland transport | m23 | 1 | 1 | 0 | 5 | 7 |
| Water transport | m24 | 3 | 3 | 1 | 24 | 43 |
| Air transport | m25 | 139 | 109 | 10 | 136 | 71 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 122 | 30 | 2 | 168 | 11 |
| Post and telecommunications | m27 | 163 | 47 | 11 | 287 | 61 |
| Financial intermediation | m28 | 43 | 89 | 82 | 101 | 6 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 110 | 155 | 98 | 437 | 123 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | - |
| Education | m32 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 5 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 14 | 10 | 3 | 341 | 111 |
| Private households with employed persons | m35 | - | - | - | - | - |
| Total intermediate consumption | r60 | 5,927 | 6,944 | 4,316 | 27,535 | 10,255 |
| Taxes less subsidies on products | r99 | 205 | 241 | 170 | 830 | 323 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | 4,483 | 14,831 | 7,790 | 16,948 | 19,061 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 10,615 | 22,017 | 12,276 | 45,313 | 29,639 |

continued on next page

Table A9.1 Import Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|----------------|------------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 72 | 87 | 18 | - | 2,477 | 0 | 0 | 0 | 23 | - | 7,995 |
| 0 | 0 | 1 | - | 2 | 0 | 0 | 0 | (10) | - | 9,894 |
| 53 | 27 | 11 | - | 3,532 | 0 | 0 | 0 | 38 | - | 6,710 |
| 9 | 23 | 9 | - | 1,067 | 0 | 0 | 0 | 6 | - | 2,282 |
| 0 | 0 | 5 | - | 377 | 0 | 0 | 0 | (9) | - | 513 |
| 10 | 0 | 0 | - | 3 | 0 | 0 | 0 | (1) | - | 230 |
| 406 | 14 | 15 | - | 280 | 0 | 17 | 5 | (11) | - | 2,009 |
| 2 | 5 | 3 | - | 373 | - | 0 | 0 | 717 | - | 3,326 |
| 10 | 86 | 17 | - | 296 | 0 | 4 | 0 | (342) | - | 2,311 |
| 2 | 15 | 6 | - | 53 | 0 | 0 | 1 | 11 | - | 2,632 |
| 1 | 1 | 1 | - | 6 | 0 | 0 | 1 | 0 | - | 334 |
| 225 | 265 | 164 | - | 1,187 | 0 | 0 | 6,974 | 487 | - | 56,958 |
| 42 | 47 | 12 | - | 112 | 0 | 0 | 2 | (11) | - | 3,266 |
| 340 | 1,087 | 109 | - | 1,415 | 0 | 4 | 164 | (8) | - | 8,420 |
| 0 | 0 | 0 | - | 1,838 | - | 0 | 3,595 | (8) | - | 7,765 |
| 81 | 23 | 43 | - | 485 | 0 | 0 | 0 | 6 | - | 1,457 |
| 10 | 5 | 4 | - | 29 | 0 | 0 | 0 | 2 | - | 264 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 5 | 0 | - | 6 |
| 26 | 20 | 13 | - | 465 | 0 | 0 | 0 | 0 | - | 2,001 |
| 4 | 9 | 4 | - | 48 | 0 | 6 | 33 | 9 | - | 493 |
| 10 | 8 | 5 | - | 198 | 0 | 0 | 27 | 1 | - | 702 |
| 15 | 3 | 4 | - | 1,670 | 0 | 0 | 0 | 0 | - | 1,921 |
| 7 | 3 | 1 | - | 247 | 0 | 1 | 14 | 1 | - | 448 |
| 15 | 13 | 5 | - | 1,698 | - | 3 | 88 | 2 | - | 20,577 |
| 11 | 28 | 45 | - | 680 | - | 0 | 33 | 1 | - | 4,353 |
| 4 | 2 | 18 | - | 335 | 0 | 1 | 1 | 1 | - | 2,161 |
| 27 | 7 | 29 | - | 539 | 0 | 0 | 0 | 0 | - | 1,713 |
| 19 | 8 | 11 | - | 401 | - | 1 | 0 | 0 | - | 1,916 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 45 | 24 | 70 | - | 96 | 0 | 3 | 2 | 1 | - | 3,474 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | 0 | - | 0 |
| 0 | 0 | 0 | - | 0 | 0 | 3 | 0 | 0 | - | 4 |
| 0 | 0 | 0 | - | 419 | 0 | 589 | 0 | 0 | - | 1,016 |
| 44 | 10 | 74 | - | 697 | 0 | 173 | 0 | 0 | - | 1,790 |
| - | - | - | - | - | - | - | - | - | - | - |
| 9,954 | 7,804 | 4,820 | - | 187,940 | 3 | 56,662 | 79,296 | 4,577 | 152,231 | 1,066,967 |
| 270 | 299 | 170 | - | 8,219 | 0 | (1,049) | 2,296 | 75 | - | 27,584 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 4,753 | - | - | - | - | - | 4,753 |
| - | - | - | - | (18,310) | - | - | - | - | - | (18,310) |
| 10,679 | 7,770 | 6,934 | - | - | - | - | - | - | - | 303,725 |
| - | - | - | - | - | - | - | - | - | - | - |
| 20,903 | 15,873 | 11,925 | - | 182,602 | 3 | 55,613 | 81,592 | 4,653 | 152,231 | 1,384,719 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A9.2: Thailand Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|---|----------------------|------------------------------|-------------------------------|---|------------------------------------|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 2,090 | 72 | 22,517 | 70 | 4 | 178 | 37 |
| Mining and quarrying | c2 | 1 | 70 | 29 | 0 | 0 | 0 | 3 |
| Food, beverages, and tobacco | c3 | 2,945 | 0 | 14,664 | 70 | 7 | 9 | 83 |
| Textiles and textile products | c4 | 109 | 46 | 69 | 3,538 | 13 | 1 | 21 |
| Leather, leather products, and footwear | c5 | 0 | – | 4 | 6 | 26 | 1 | 1 |
| Wood and products of wood and cork | c6 | 17 | 1 | 9 | 18 | 2 | 1,185 | 8 |
| Pulp, paper, paper products, printing, and publishing | c7 | 36 | 5 | 293 | 38 | 5 | 213 | 396 |
| Coke, refined petroleum, and nuclear fuel | c8 | 693 | 197 | 80 | 362 | 11 | 13 | 16 |
| Chemicals and chemical products | c9 | 1,389 | 108 | 368 | 1,003 | 80 | 52 | 176 |
| Rubber and plastics | c10 | 276 | 41 | 904 | 419 | 280 | 18 | 157 |
| Other nonmetallic minerals | c11 | 78 | 35 | 219 | 181 | 0 | 19 | 10 |
| Basic metals and fabricated metal | c12 | 216 | 368 | 1,356 | 126 | 120 | 127 | 103 |
| Machinery, nec | c13 | 519 | 434 | 157 | 465 | 23 | 11 | 29 |
| Electrical and optical equipment | c14 | 144 | 55 | 81 | 215 | 10 | 5 | 22 |
| Transport equipment | c15 | 39 | 15 | 3 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | c16 | 91 | 24 | 88 | 665 | 113 | 9 | 16 |
| Electricity, gas, and water supply | c17 | 128 | 119 | 1,961 | 957 | 21 | 76 | 203 |
| Construction | c18 | 6 | 2 | 23 | 4 | 1 | 1 | 3 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 13 | 8 | 58 | 10 | 2 | 1 | 4 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 366 | 706 | 7,836 | 1,334 | 318 | 81 | 336 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 1,994 | 815 | 3,939 | 717 | 171 | 87 | 357 |
| Hotels and restaurants | c22 | 96 | 50 | 148 | 19 | 38 | 5 | 57 |
| Inland transport | c23 | 176 | 27 | 951 | 161 | 43 | 17 | 38 |
| Water transport | c24 | 124 | 75 | 563 | 97 | 26 | 15 | 34 |
| Air transport | c25 | 23 | 25 | 116 | 23 | 6 | 5 | 12 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 15 | 10 | 190 | 64 | 17 | 12 | 26 |
| Post and telecommunications | c27 | 19 | 163 | 173 | 45 | 5 | 6 | 42 |
| Financial intermediation | c28 | 912 | 160 | 1,203 | 431 | 45 | 31 | 211 |
| Real estate activities | c29 | 10 | 21 | 86 | 23 | 3 | 3 | 8 |
| Renting of M&Eq and other business activities | c30 | 572 | 3,573 | 2,492 | 560 | 55 | 70 | 615 |
| Public administration and defense; compulsory social security | c31 | 4 | 3 | 23 | 6 | 1 | 0 | 4 |
| Education | c32 | 4 | 0 | 14 | 0 | 0 | 0 | 0 |
| Health and social work | c33 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 15 | 6 | 171 | 76 | 5 | 1 | 27 |
| Private households with employed persons | c35 | – | – | – | – | – | – | – |

continued on next page

Table A9.2 Domestic Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|--------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Domestic | | | | | | | | | | | | |
| 1 | 105 | 1,853 | 3 | 105 | 2 | 2 | 29 | 171 | 29 | 65 | 2 | 42 |
| 5,688 | 940 | 1 | 2,271 | 113 | 57 | 89 | 8 | 105 | 1,434 | 350 | - | - |
| 12 | 547 | 43 | 34 | 1 | 19 | 33 | 0 | 28 | 89 | 0 | 3 | 115 |
| 10 | 201 | 287 | 143 | 307 | 57 | 122 | 161 | 426 | 74 | 242 | 9 | 257 |
| - | 0 | 3 | 14 | 20 | 0 | 3 | 29 | 124 | 1 | 8 | 11 | 329 |
| 1 | 0 | 4 | 1 | 141 | 1 | 1 | 147 | 745 | 3 | 275 | 3 | 24 |
| 1 | 7 | 53 | 9 | 311 | 6 | 6 | 162 | 51 | 14 | 56 | 8 | 306 |
| 9,251 | 909 | 167 | 137 | 461 | 7 | 12 | 31 | 41 | 252 | 496 | 8 | 175 |
| 1,548 | 7,175 | 3,660 | 360 | 484 | 30 | 135 | 166 | 462 | 443 | 970 | 1 | 131 |
| 7 | 191 | 3,468 | 27 | 4,567 | 501 | 157 | 1,452 | 384 | 44 | 358 | 18 | 2,933 |
| 217 | 478 | 109 | 3,643 | 930 | 30 | 49 | 182 | 168 | 370 | 4,689 | 1 | 117 |
| 19 | 193 | 339 | 349 | 46,600 | 1,185 | 1,138 | 8,551 | 870 | 670 | 3,254 | 46 | 1,386 |
| 591 | 257 | 181 | 144 | 368 | 304 | 93 | 289 | 42 | 277 | 348 | 12 | 303 |
| 436 | 142 | 356 | 37 | 294 | 196 | 556 | 205 | 75 | 654 | 649 | 2 | 175 |
| 0 | 0 | - | 0 | 61 | 0 | 0 | 11,171 | 0 | 0 | 0 | 23 | 723 |
| 386 | 177 | 148 | 82 | 1,190 | 11 | 20 | 91 | 417 | 91 | 408 | 10 | 225 |
| 80 | 882 | 1,103 | 777 | 2,283 | 250 | 383 | 962 | 140 | 4,513 | 359 | 78 | 3,861 |
| 3 | 7 | 7 | 5 | 29 | 3 | 5 | 9 | 2 | 15 | 7 | 1 | 24 |
| 7 | 10 | 11 | 8 | 72 | 7 | 9 | 18 | 8 | 8 | 13 | 0 | 6 |
| 918 | 1,262 | 1,311 | 1,016 | 1,840 | 594 | 714 | 1,924 | 803 | 544 | 1,506 | 34 | 1,238 |
| 565 | 776 | 806 | 625 | 10,809 | 744 | 895 | 1,652 | 779 | 909 | 1,101 | 41 | 47 |
| 23 | 136 | 76 | 87 | 396 | 37 | 71 | 153 | 57 | 151 | 100 | 88 | 1,876 |
| 31 | 211 | 168 | 248 | 882 | 77 | 85 | 275 | 102 | 131 | 210 | 6 | 131 |
| 47 | 314 | 158 | 277 | 948 | 99 | 108 | 309 | 95 | 185 | 226 | 7 | 153 |
| 9 | 63 | 33 | 52 | 194 | 19 | 20 | 65 | 42 | 37 | 18 | 35 | 756 |
| 7 | 47 | 119 | 120 | 306 | 18 | 20 | 125 | 42 | 18 | 6 | 15 | 325 |
| 5 | 45 | 77 | 72 | 290 | 74 | 59 | 139 | 42 | 52 | 77 | 21 | 545 |
| 35 | 498 | 481 | 473 | 1,351 | 224 | 439 | 952 | 302 | 2,044 | 616 | 220 | 5,613 |
| 6 | 15 | 31 | 32 | 193 | 30 | 35 | 46 | 23 | 10 | 31 | 16 | 467 |
| 78 | 873 | 616 | 565 | 5,168 | 468 | 1,033 | 1,414 | 357 | 689 | 1,522 | 14 | 2,319 |
| 1 | 17 | 5 | 7 | 169 | 5 | 5 | 26 | 4 | 23 | 11 | 1 | 24 |
| 0 | 1 | 3 | 1 | 15 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 3 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 2 |
| 3 | 27 | 12 | 25 | 75 | 11 | 21 | 136 | 19 | 42 | 29 | 3 | 500 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |

continued on next page

Table A9.2 Domestic Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|-----|--|---------------------------|---------------------|--------------------|------------------|---|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 38 | 5,593 | 49 | 7 | 43 | 14 |
| Mining and quarrying | c2 | - | 48 | 28 | - | - | - |
| Food, beverages, and tobacco | c3 | 60 | 20,629 | 7 | 1 | 152 | 11 |
| Textiles and textile products | c4 | 201 | 1,053 | 107 | 47 | 41 | 10 |
| Leather, leather products, and footwear | c5 | 239 | 5 | - | - | 6 | 2 |
| Wood and products of wood and cork | c6 | 13 | 10 | 1 | 0 | 0 | 4 |
| Pulp, paper, paper products, printing, and publishing | c7 | 196 | 141 | 8 | 2 | 2 | 26 |
| Coke, refined petroleum, and nuclear fuel | c8 | 83 | 491 | 2,409 | 643 | 660 | 59 |
| Chemicals and chemical products | c9 | 88 | 226 | 465 | 124 | 127 | 11 |
| Rubber and plastics | c10 | 2,189 | 502 | 97 | 8 | 5 | 21 |
| Other nonmetallic minerals | c11 | 79 | 130 | 143 | 8 | 6 | 13 |
| Basic metals and fabricated metal | c12 | 944 | 544 | 164 | 55 | 61 | 76 |
| Machinery, nec | c13 | 104 | 195 | 121 | 114 | 81 | 4 |
| Electrical and optical equipment | c14 | 118 | 162 | 219 | 206 | 147 | 7 |
| Transport equipment | c15 | 466 | - | 121 | 159 | 99 | 9 |
| Manufacturing, nec; recycling | c16 | 122 | 464 | 2 | 0 | - | 217 |
| Electricity, gas, and water supply | c17 | 720 | 6,752 | 65 | 12 | 84 | 92 |
| Construction | c18 | 23 | 78 | 2 | 0 | 2 | 2 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 13 | 45 | 7 | 2 | 2 | 1 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 181 | 5,004 | 999 | 243 | 328 | 206 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | 2,118 | 3,811 | 365 | 89 | 120 | 75 |
| Hotels and restaurants | c22 | 2,267 | 280 | 89 | 17 | 7 | 252 |
| Inland transport | c23 | 157 | 647 | 54 | 19 | 21 | 11 |
| Water transport | c24 | 183 | 28 | 2 | 132 | 1 | 2 |
| Air transport | c25 | 905 | 144 | 10 | 38 | 986 | 189 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 389 | 144 | 90 | 142 | 707 | 431 |
| Post and telecommunications | c27 | 481 | 626 | 37 | 52 | 190 | 131 |
| Financial intermediation | c28 | 5,146 | 2,428 | 307 | 183 | 340 | 138 |
| Real estate activities | c29 | 332 | 497 | 27 | 15 | 29 | 54 |
| Renting of M&Eq and other business activities | c30 | 1,730 | 3,974 | 2,435 | 350 | 649 | 613 |
| Public administration and defense; compulsory social security | c31 | 23 | 42 | 4 | 2 | 10 | 8 |
| Education | c32 | 2 | 2 | 0 | 0 | 1 | 0 |
| Health and social work | c33 | 1 | 1 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | c34 | 373 | 673 | 30 | 3 | 7 | 98 |
| Private households with employed persons | c35 | - | - | - | - | - | - |

continued on next page

Table A9.2 Domestic Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|-----------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Domestic | | | | | | | | | | |
| 33 | 71 | 48 | 232 | 116 | 346 | 524 | 99 | - | 5,857 | - |
| - | - | - | - | - | 0 | 0 | 2 | - | 2 | - |
| 1 | 64 | 2 | 22 | 191 | 467 | 293 | 113 | - | 18,397 | - |
| 13 | 128 | 21 | 219 | 71 | 57 | 191 | 72 | - | 4,232 | - |
| - | 3 | - | - | 13 | 1 | 3 | 42 | - | 1,372 | - |
| 2 | 8 | 1 | 60 | 11 | 143 | 3 | 3 | - | 44 | - |
| 50 | 357 | 4 | 1,801 | 455 | 1,773 | 74 | 78 | - | 854 | - |
| 11 | 317 | 21 | 191 | 149 | 24 | 84 | 44 | - | 8,215 | - |
| 13 | 10 | 28 | 348 | 131 | 108 | 596 | 175 | - | 1,827 | - |
| 15 | 55 | 17 | 366 | 19 | 17 | 139 | 50 | - | 295 | - |
| 1 | 13 | 10 | 141 | 56 | 36 | 60 | 43 | - | 258 | - |
| 328 | 294 | 87 | 1,547 | 774 | 346 | 500 | 294 | - | 1,734 | - |
| 6 | 12 | 4 | 238 | 157 | 88 | 121 | 29 | - | 224 | - |
| 57 | 27 | 8 | 473 | 198 | 455 | 1,771 | 170 | - | 1,347 | - |
| 1 | - | 2 | 27 | 8 | 0 | - | 0 | - | 7,528 | - |
| 22 | 26 | 6 | 914 | 223 | 632 | 219 | 390 | - | 2,568 | - |
| 477 | 459 | 947 | 673 | 814 | 1,183 | 780 | 537 | - | 4,085 | - |
| 6 | 24 | 24 | 62 | 376 | 302 | 68 | 39 | - | 237 | - |
| 3 | 6 | 3 | 19 | 6 | 7 | 7 | 4 | - | 98 | - |
| 328 | 857 | 125 | 782 | 516 | 399 | 393 | 231 | - | 4,917 | - |
| 304 | 436 | 404 | 2,535 | 595 | 913 | 899 | 529 | - | 11,629 | - |
| 219 | 534 | 31 | 2,009 | 2,144 | 848 | 225 | 230 | - | 68,008 | - |
| 12 | 48 | 8 | 142 | 238 | 263 | 120 | 38 | - | 5,372 | - |
| 0 | 1 | 0 | 5 | 10 | 4 | 4 | 1 | - | 372 | - |
| 192 | 210 | 13 | 155 | 91 | 15 | 49 | 71 | - | 626 | - |
| 327 | 113 | 5 | 371 | 26 | 11 | 7 | 56 | - | 617 | - |
| 1,063 | 430 | 66 | 1,537 | 372 | 173 | 56 | 214 | - | 2,680 | - |
| 949 | 2,567 | 1,659 | 1,913 | 131 | 427 | 228 | 249 | - | 9,593 | - |
| 56 | 797 | 55 | 724 | 229 | 66 | 16 | 130 | - | 11,114 | - |
| 1,533 | 3,059 | 1,340 | 5,136 | 1,587 | 635 | 424 | 1,157 | - | 1,105 | - |
| 28 | 164 | 14 | 89 | - | 8 | 5 | 76 | - | 239 | - |
| 0 | 30 | 0 | 20 | 0 | 0 | 0 | 5 | - | 1,492 | 0 |
| 0 | 102 | 0 | 2 | 0 | 1 | 2 | 7 | - | 4,899 | 2 |
| 98 | 93 | 20 | 1,957 | 714 | 302 | 87 | 589 | - | 4,959 | 2 |
| - | - | - | - | - | - | - | - | - | - | - |

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Table A9.2 Domestic Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|-----|---|-------------------------------|--------------------------------------|---------|----------------|
| | | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | - | - | (8) | 10,294 | 50,735 |
| Mining and quarrying | c2 | - | - | (258) | 593 | 11,574 |
| Food, beverages, and tobacco | c3 | - | - | (184) | 24,479 | 83,409 |
| Textiles and textile products | c4 | - | - | (44) | 7,294 | 19,806 |
| Leather, leather products, and footwear | c5 | - | - | (29) | 672 | 2,908 |
| Wood and products of wood and cork | c6 | - | 9 | (0) | 1,603 | 4,499 |
| Pulp, paper, paper products, printing, and publishing | c7 | - | 40 | 51 | 1,472 | 9,359 |
| Coke, refined petroleum, and nuclear fuel | c8 | - | 2 | (2,138) | 17,889 | 42,472 |
| Chemicals and chemical products | c9 | - | 0 | 63 | 5,295 | 28,378 |
| Rubber and plastics | c10 | - | - | (58) | 10,147 | 30,085 |
| Other nonmetallic minerals | c11 | - | 0 | 29 | 10,389 | 22,940 |
| Basic metals and fabricated metal | c12 | - | 21,809 | (85) | 50,566 | 147,056 |
| Machinery, nec | c13 | - | 5 | 18 | 3,813 | 10,181 |
| Electrical and optical equipment | c14 | - | 4 | 17 | 1,835 | 11,530 |
| Transport equipment | c15 | - | 24,261 | 27 | 20,684 | 65,428 |
| Manufacturing, nec; recycling | c16 | - | 2 | (67) | 2,734 | 12,734 |
| Electricity, gas, and water supply | c17 | - | - | (32) | 222 | 37,005 |
| Construction | c18 | - | 32,443 | - | 69 | 33,914 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | - | 0 | 0 | 718 | 1,217 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | - | 4,634 | (70) | 32,444 | 77,200 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | 2,865 | (123) | 6,430 | 61,822 |
| Hotels and restaurants | c22 | - | - | - | 25,630 | 106,453 |
| Inland transport | c23 | - | 629 | (35) | 6,942 | 18,655 |
| Water transport | c24 | - | 28 | (1) | 629 | 5,261 |
| Air transport | c25 | - | 55 | (1) | 2,902 | 8,203 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | - | 0 | (0) | 1,415 | 6,353 |
| Post and telecommunications | c27 | - | - | - | 3,280 | 13,341 |
| Financial intermediation | c28 | - | - | - | 1,101 | 43,598 |
| Real estate activities | c29 | - | 951 | - | 1 | 16,185 |
| Renting of M&Eq and other business activities | c30 | - | - | - | 7,504 | 56,282 |
| Public administration and defense; compulsory social security | c31 | 39,113 | - | - | 3 | 40,168 |
| Education | c32 | 26,503 | - | - | 236 | 28,339 |
| Health and social work | c33 | 14,783 | - | - | 1,735 | 21,551 |
| Other community, social, and personal services | c34 | 2,005 | - | - | 6,302 | 19,515 |
| Private households with employed persons | c35 | - | - | - | - | - |

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Table A9.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 146 | 5 | 1,113 | 3 | 0 | 11 | 3 |
| Mining and quarrying | m2 | 2 | 263 | 108 | 2 | 0 | 1 | 5 |
| Food, beverages, and tobacco | m3 | 355 | 0 | 1,402 | 6 | 1 | 1 | 7 |
| Textiles and textile products | m4 | 23 | 9 | 10 | 483 | 2 | 0 | 3 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 1 | 1 | 4 | 0 | 0 |
| Wood and products of wood and cork | m6 | 2 | 0 | 1 | 2 | 0 | 91 | 1 |
| Pulp, paper, paper products, printing, and publishing | m7 | 9 | 1 | 62 | 9 | 1 | 42 | 102 |
| Coke, refined petroleum, and nuclear fuel | m8 | 75 | 23 | 7 | 34 | 1 | 1 | 1 |
| Chemicals and chemical products | m9 | 412 | 34 | 89 | 247 | 26 | 15 | 50 |
| Rubber and plastics | m10 | 50 | 8 | 137 | 65 | 42 | 3 | 23 |
| Other nonmetallic minerals | m11 | 3 | 1 | 7 | 5 | 0 | 1 | 0 |
| Basic metals and fabricated metal | m12 | 160 | 273 | 840 | 80 | 74 | 76 | 59 |
| Machinery, nec | m13 | 326 | 316 | 97 | 262 | 13 | 6 | 15 |
| Electrical and optical equipment | m14 | 101 | 44 | 55 | 140 | 7 | 3 | 13 |
| Transport equipment | m15 | 10 | 3 | 1 | 0 | 0 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 14 | 4 | 14 | 123 | 20 | 1 | 2 |
| Electricity, gas, and water supply | m17 | 2 | 2 | 29 | 17 | 0 | 1 | 3 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 40 | 18 | 170 | 35 | 8 | 3 | 10 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 19 | 5 | 59 | 19 | 6 | 2 | 19 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 28 | 9 | 51 | 12 | 2 | 1 | 4 |
| Hotels and restaurants | m22 | 2 | 1 | 3 | 0 | 1 | 0 | 1 |
| Inland transport | m23 | 5 | 1 | 24 | 5 | 1 | 0 | 1 |
| Water transport | m24 | 560 | 277 | 2,393 | 481 | 113 | 61 | 128 |
| Air transport | m25 | 20 | 16 | 84 | 20 | 5 | 4 | 9 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 7 | 4 | 75 | 29 | 7 | 5 | 10 |
| Post and telecommunications | m27 | 4 | 24 | 30 | 9 | 1 | 1 | 7 |
| Financial intermediation | m28 | 71 | 11 | 71 | 29 | 3 | 6 | 12 |
| Real estate activities | m29 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 57 | 330 | 221 | 53 | 5 | 6 | 56 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 2 | 1 | 21 | 11 | 1 | 0 | 3 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 15,625 | 8,916 | 67,969 | 13,886 | 1,794 | 2,592 | 3,601 |
| Taxes less subsidies on products | r99 | 968 | 442 | 2,564 | 513 | 97 | 70 | 121 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 34,143 | 2,216 | 12,875 | 5,406 | 1,017 | 1,837 | 5,637 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 50,735 | 11,574 | 83,409 | 19,806 | 2,908 | 4,499 | 9,359 |

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Table A9.2 Imports Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|------------|--|--|---------------------------|----------------------------------|--|-------------------|--|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 5 | 107 | 0 | 9 | 0 | 0 |
| Mining and quarrying | m2 | 17,187 | 3,398 | 4 | 6,841 | 391 | 185 | 272 |
| Food, beverages, and tobacco | m3 | 1 | 37 | 4 | 2 | 0 | 2 | 3 |
| Textiles and textile products | m4 | 1 | 20 | 37 | 15 | 56 | 8 | 17 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 2 | 4 | 0 | 0 |
| Wood and products of wood and cork | m6 | 0 | 0 | 0 | 0 | 12 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 4 | 10 | 2 | 67 | 2 | 2 |
| Coke, refined petroleum, and nuclear fuel | m8 | 509 | 58 | 14 | 9 | 44 | 1 | 1 |
| Chemicals and chemical products | m9 | 234 | 1,254 | 791 | 76 | 118 | 29 | 43 |
| Rubber and plastics | m10 | 1 | 21 | 484 | 3 | 722 | 75 | 27 |
| Other nonmetallic minerals | m11 | 4 | 9 | 3 | 74 | 26 | 2 | 4 |
| Basic metals and fabricated metal | m12 | 8 | 85 | 192 | 160 | 28,721 | 681 | 706 |
| Machinery, nec | m13 | 186 | 91 | 83 | 54 | 237 | 165 | 53 |
| Electrical and optical equipment | m14 | 155 | 57 | 182 | 16 | 199 | 174 | 682 |
| Transport equipment | m15 | 0 | 0 | 0 | 0 | 14 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 36 | 19 | 20 | 9 | 185 | 2 | 3 |
| Electricity, gas, and water supply | m17 | 1 | 8 | 13 | 7 | 36 | 4 | 4 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 13 | 21 | 31 | 15 | 237 | 25 | 13 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 10 | 34 | 20 | 8 | 16 | 23 | 22 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 4 | 7 | 10 | 5 | 152 | 11 | 7 |
| Hotels and restaurants | m22 | 0 | 2 | 1 | 1 | 8 | 1 | 1 |
| Inland transport | m23 | 0 | 3 | 4 | 4 | 24 | 2 | 1 |
| Water transport | m24 | 119 | 926 | 646 | 755 | 4,403 | 467 | 296 |
| Air transport | m25 | 4 | 33 | 22 | 25 | 147 | 17 | 15 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 2 | 13 | 45 | 31 | 131 | 8 | 6 |
| Post and telecommunications | m27 | 0 | 5 | 13 | 8 | 54 | 15 | 6 |
| Financial intermediation | m28 | 2 | 27 | 25 | 24 | 81 | 15 | 24 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 4 | 55 | 51 | 35 | 488 | 44 | 75 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 0 | 2 | 1 | 2 | 10 | 2 | 2 |
| Private households with employed persons | m35 | – | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 38,468 | 22,702 | 18,503 | 19,825 | 117,566 | 7,026 | 8,601 |
| Taxes less subsidies on products | r99 | 3,292 | 1,179 | 736 | 895 | 1,832 | 217 | 314 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 713 | 4,497 | 10,845 | 2,219 | 27,659 | 2,938 | 2,614 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 42,472 | 28,378 | 30,085 | 22,940 | 147,056 | 10,181 | 11,530 |

continued on next page

Table A9.2 Imports Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|---------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | | | | | |
| 3 | 8 | 2 | 6 | 0 | 4 | 4 | 240 | 3 | 0 | 2 | 1 |
| 27 | 351 | 4,092 | 1,155 | 0 | 0 | 0 | 181 | 43 | 0 | 0 | 0 |
| 0 | 3 | 10 | 0 | 0 | 15 | 8 | 1,753 | 1 | 0 | 11 | 1 |
| 24 | 62 | 14 | 38 | 2 | 37 | 36 | 141 | 18 | 7 | 6 | 2 |
| 5 | 21 | 0 | 1 | 3 | 51 | 50 | 1 | 0 | 0 | 1 | 0 |
| 13 | 75 | 0 | 28 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| 37 | 8 | 3 | 8 | 2 | 69 | 49 | 28 | 2 | 1 | 0 | 5 |
| 3 | 4 | 22 | 50 | 1 | 17 | 9 | 37 | 249 | 61 | 56 | 6 |
| 58 | 114 | 103 | 244 | 2 | 31 | 24 | 45 | 137 | 33 | 31 | 3 |
| 229 | 60 | 6 | 57 | 6 | 470 | 373 | 66 | 18 | 2 | 1 | 4 |
| 5 | 5 | 9 | 144 | 0 | 3 | 2 | 3 | 4 | 0 | 0 | 0 |
| 5,441 | 544 | 379 | 2,064 | 43 | 899 | 664 | 307 | 124 | 36 | 39 | 56 |
| 169 | 28 | 171 | 220 | 12 | 187 | 69 | 99 | 83 | 69 | 47 | 3 |
| 166 | 59 | 446 | 473 | 3 | 118 | 83 | 92 | 165 | 137 | 94 | 6 |
| 2,189 | 0 | 0 | 0 | 6 | 174 | 103 | 0 | 31 | 35 | 23 | 2 |
| 14 | 82 | 12 | 66 | 2 | 31 | 16 | 66 | 0 | 0 | 0 | 33 |
| 16 | 2 | 50 | 6 | 1 | 66 | 13 | 107 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 25 | 25 | 49 | 1 | 22 | 51 | 161 | 8 | 2 | 2 | 2 |
| 24 | 16 | 4 | 14 | 0 | 9 | 2 | 32 | 5 | 4 | 4 | 1 |
| 25 | 10 | 13 | 18 | 0 | 1 | 34 | 58 | 2 | 0 | 1 | 0 |
| 3 | 1 | 3 | 2 | 2 | 40 | 49 | 6 | 1 | 0 | 0 | 2 |
| 8 | 2 | 3 | 3 | 0 | 4 | 5 | 17 | 2 | 1 | 0 | 0 |
| 1,569 | 414 | 794 | 1,211 | 27 | 802 | 963 | 134 | 9 | 523 | 18 | 10 |
| 55 | 32 | 25 | 33 | 22 | 645 | 767 | 110 | 7 | 50 | 583 | 125 |
| 58 | 17 | 7 | 4 | 7 | 154 | 187 | 62 | 35 | 51 | 232 | 163 |
| 29 | 7 | 10 | 17 | 4 | 115 | 102 | 124 | 4 | 6 | 17 | 14 |
| 58 | 18 | 114 | 36 | 15 | 360 | 325 | 128 | 22 | 17 | 18 | 9 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 140 | 33 | 62 | 153 | 2 | 224 | 170 | 359 | 250 | 34 | 51 | 56 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 2 | 5 | 4 | 0 | 73 | 55 | 89 | 3 | 0 | 1 | 10 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 41,342 | 8,933 | 20,202 | 24,109 | 901 | 29,754 | 24,201 | 59,820 | 9,690 | 3,746 | 6,154 | 3,303 |
| 1,591 | 533 | 1,129 | 1,147 | 9 | 1,280 | 1,015 | 4,550 | 579 | 190 | 270 | 133 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 22,495 | 3,268 | 15,675 | 8,659 | 307 | 46,166 | 36,607 | 42,083 | 8,386 | 1,325 | 1,780 | 2,916 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 65,428 | 12,734 | 37,005 | 33,914 | 1,217 | 77,200 | 61,822 | 106,453 | 18,655 | 5,261 | 8,203 | 6,353 |

continued on next page

Table A9.2 Imports Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|------------|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 2 | 5 | 3 | 19 | 9 |
| Mining and quarrying | m2 | 0 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | 0 | 6 | 0 | 3 | 22 |
| Textiles and textile products | m4 | 2 | 16 | 3 | 39 | 14 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 0 | 3 |
| Wood and products of wood and cork | m6 | 0 | 1 | 0 | 6 | 1 |
| Pulp, paper, paper products, printing, and publishing | m7 | 10 | 66 | 1 | 456 | 114 |
| Coke, refined petroleum, and nuclear fuel | m8 | 1 | 26 | 2 | 21 | 16 |
| Chemicals and chemical products | m9 | 3 | 3 | 8 | 102 | 37 |
| Rubber and plastics | m10 | 2 | 7 | 3 | 67 | 3 |
| Other nonmetallic minerals | m11 | 0 | 0 | 0 | 4 | 2 |
| Basic metals and fabricated metal | m12 | 207 | 149 | 61 | 1,133 | 595 |
| Machinery, nec | m13 | 4 | 6 | 3 | 172 | 117 |
| Electrical and optical equipment | m14 | 39 | 16 | 6 | 383 | 161 |
| Transport equipment | m15 | 0 | 0 | 1 | 6 | 2 |
| Manufacturing, nec; recycling | m16 | 3 | 3 | 1 | 172 | 46 |
| Electricity, gas, and water supply | m17 | 5 | 6 | 16 | 11 | 13 |
| Construction | m18 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 6 | 19 | 11 | 60 | 17 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 6 | 1 | 9 | 4 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 3 | 6 | 6 | 36 | 8 |
| Hotels and restaurants | m22 | 3 | 9 | 1 | 38 | 38 |
| Inland transport | m23 | 0 | 1 | 0 | 4 | 7 |
| Water transport | m24 | 3 | 4 | 1 | 25 | 46 |
| Air transport | m25 | 112 | 141 | 10 | 123 | 67 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 106 | 43 | 2 | 165 | 11 |
| Post and telecommunications | m27 | 129 | 73 | 13 | 291 | 66 |
| Financial intermediation | m28 | 52 | 120 | 98 | 125 | 8 |
| Real estate activities | m29 | 0 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 120 | 232 | 134 | 520 | 156 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | – |
| Education | m32 | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 6 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 10 | 11 | 3 | 275 | 95 |
| Private households with employed persons | m35 | – | – | – | – | – |
| Total intermediate consumption | r60 | 6,970 | 12,295 | 5,366 | 28,977 | 12,100 |
| Taxes less subsidies on products | r99 | 333 | 626 | 294 | 1,373 | 547 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – |
| Value added at basic prices | r64 | 6,037 | 30,677 | 10,526 | 25,932 | 27,521 |
| International transport margins | r65 | – | – | – | – | – |
| Output at basic prices | r69 | 13,341 | 43,598 | 16,185 | 56,282 | 40,168 |

continued on next page

Table A9.2 Imports Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|----------------|------------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Imports | | | | | | | | | | |
| 25 | 28 | 7 | - | 801 | 0 | 0 | 0 | 2 | - | 2,579 |
| 0 | 0 | 5 | - | 8 | 0 | 0 | 0 | 107 | - | 34,628 |
| 46 | 24 | 11 | - | 2,562 | 0 | 0 | 0 | (9) | - | 6,287 |
| 9 | 27 | 11 | - | 1,006 | 0 | 0 | 0 | (11) | - | 2,189 |
| 0 | 0 | 7 | - | 324 | 0 | 0 | 0 | 18 | - | 499 |
| 13 | 0 | 0 | - | 4 | 0 | 0 | 1 | 2 | - | 256 |
| 407 | 14 | 16 | - | 241 | 0 | 11 | 11 | 28 | - | 1,901 |
| 2 | 7 | 4 | - | 545 | - | 0 | 0 | (1,463) | - | 453 |
| 24 | 183 | 41 | - | 718 | 0 | 5 | 1 | 1,781 | - | 7,151 |
| 2 | 18 | 7 | - | 70 | 0 | 0 | 1 | (26) | - | 3,110 |
| 1 | 1 | 2 | - | 11 | 0 | 0 | 2 | (0) | - | 339 |
| 222 | 275 | 178 | - | 1,640 | 0 | 0 | 16,164 | (835) | - | 62,500 |
| 53 | 65 | 17 | - | 189 | 0 | 0 | 4 | 40 | - | 3,729 |
| 313 | 1,083 | 109 | - | 1,376 | 0 | 5 | 265 | 22 | - | 7,444 |
| 0 | 0 | 0 | - | 2,384 | 0 | 0 | 5,423 | 14 | - | 10,421 |
| 106 | 33 | 61 | - | 662 | 0 | 0 | 1 | (3) | - | 1,862 |
| 19 | 8 | 9 | - | 84 | 0 | 0 | 0 | 0 | - | 563 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 7 | (0) | - | 8 |
| 25 | 14 | 14 | - | 191 | 0 | 0 | 0 | 0 | - | 1,410 |
| 4 | 10 | 4 | - | 34 | 0 | 8 | 63 | (12) | - | 512 |
| 14 | 8 | 8 | - | 96 | 0 | 0 | 41 | 2 | - | 691 |
| 17 | 3 | 5 | - | 1,508 | 0 | 0 | 0 | 0 | - | 1,751 |
| 7 | 2 | 1 | - | 180 | 0 | 1 | 18 | 489 | - | 828 |
| 19 | 13 | 6 | - | 2,206 | - | 11 | 132 | (29) | - | 20,540 |
| 12 | 26 | 55 | - | 671 | - | 0 | 46 | (1) | - | 4,137 |
| 5 | 2 | 24 | - | 352 | 0 | 0 | 0 | (0) | - | 2,057 |
| 34 | 7 | 42 | - | 652 | 0 | 0 | 0 | (0) | - | 1,932 |
| 26 | 11 | 16 | - | 738 | - | 2 | 0 | (1) | - | 2,714 |
| 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 4 |
| 59 | 31 | 102 | - | 179 | 0 | 5 | 5 | (1) | - | 4,557 |
| 0 | 0 | 0 | - | 0 | - | 0 | 0 | (0) | - | 0 |
| 0 | 0 | 0 | - | 0 | 0 | 3 | 0 | 0 | - | 4 |
| 0 | 0 | 0 | - | 389 | 0 | 604 | 0 | (0) | - | 1,002 |
| 41 | 8 | 79 | - | 843 | 0 | 164 | 0 | (0) | - | 1,851 |
| - | - | - | - | - | - | - | - | - | - | - |
| 11,554 | 9,851 | 6,603 | - | 207,463 | 5 | 83,225 | 109,923 | (2,815) | 267,321 | 1,338,067 |
| 486 | 529 | 356 | - | 13,223 | 0 | (1,783) | 3,358 | 13 | - | 45,023 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | (7,298) | - | - | - | - | - | (7,298) |
| - | - | - | - | 35,695 | - | - | - | - | - | 35,695 |
| 16,299 | 11,171 | 12,556 | - | - | - | - | - | - | - | 445,001 |
| - | - | - | - | - | - | - | - | - | - | - |
| 28,339 | 21,551 | 19,515 | - | 249,083 | 5 | 81,442 | 113,282 | (2,802) | 267,321 | 1,856,488 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

A10

APPENDIX 10: INPUT-OUTPUT TABLES FOR 2010 AND 2017—VIET NAM

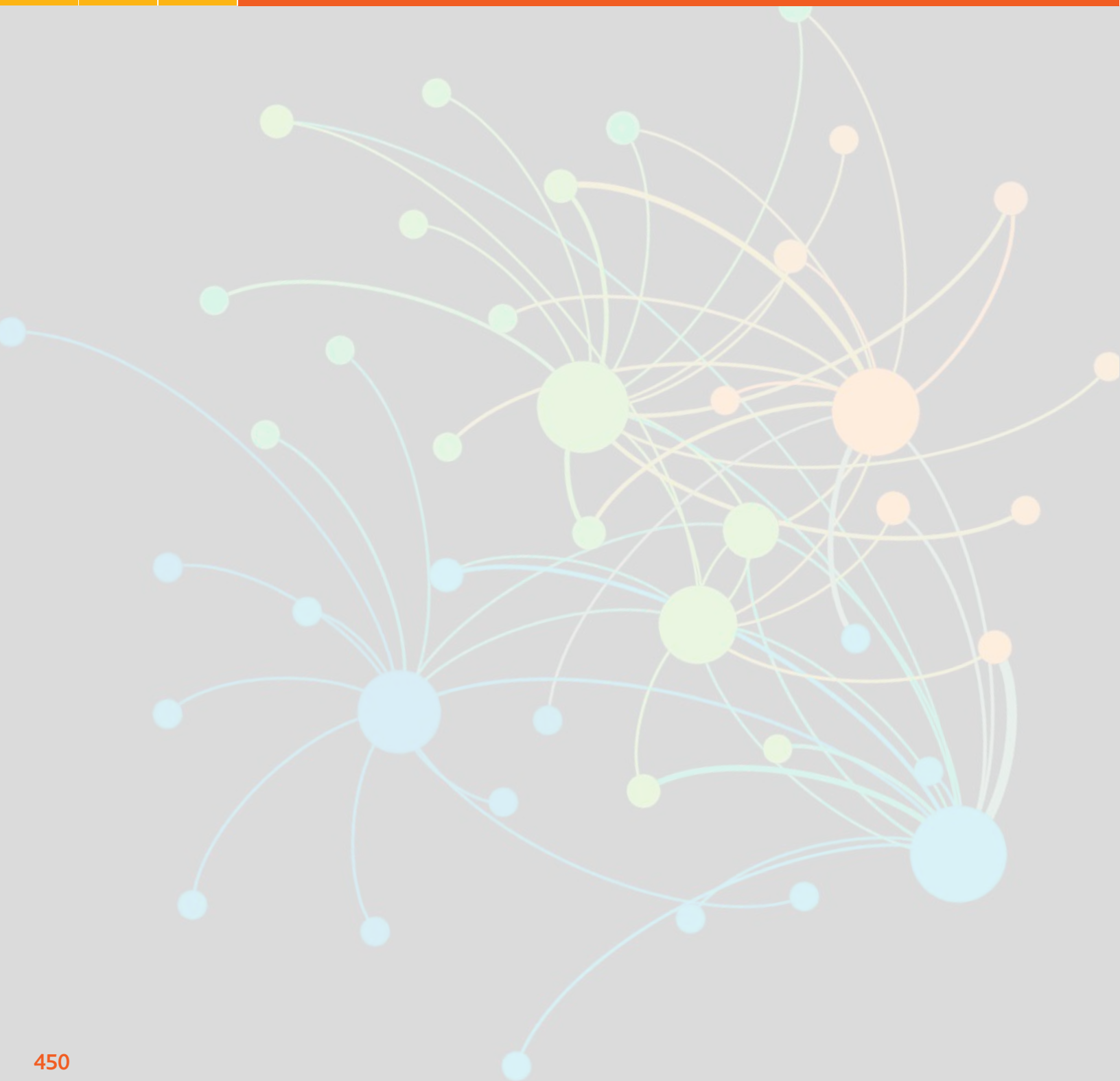


Table A10.1: Viet Nam Input–Output Table, 2010 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 7,022 | 3 | 15,826 | 170 | 7 | 1,311 | 36 |
| Mining and quarrying | c2 | 38 | 1,307 | 93 | 25 | 10 | 1 | 28 |
| Food, beverages, and tobacco | c3 | 6,145 | 3 | 8,823 | 1 | 0 | 0 | 20 |
| Textiles and textile products | c4 | 193 | 18 | 13 | 5,838 | 787 | 10 | 55 |
| Leather, leather products, and footwear | c5 | 4 | 1 | 1 | 116 | 2,568 | 3 | 11 |
| Wood and products of wood and cork | c6 | 66 | 1 | 23 | 28 | 2 | 857 | 155 |
| Pulp, paper, paper products, printing, and publishing | c7 | 98 | 6 | 437 | 94 | 160 | 25 | 1,242 |
| Coke, refined petroleum, and nuclear fuel | c8 | 1,125 | 1,019 | 130 | 37 | 15 | 28 | 22 |
| Chemicals and chemical products | c9 | 1,531 | 180 | 169 | 513 | 157 | 44 | 147 |
| Rubber and plastics | c10 | 145 | 176 | 310 | 116 | 363 | 31 | 139 |
| Other nonmetallic minerals | c11 | 26 | 3 | 14 | 1 | 0 | 1 | 2 |
| Basic metals and fabricated metal | c12 | 204 | 704 | 205 | 39 | 138 | 54 | 41 |
| Machinery, nec | c13 | 49 | 322 | 17 | 13 | 8 | 4 | 6 |
| Electrical and optical equipment | c14 | 46 | 38 | 20 | 15 | 12 | 3 | 5 |
| Transport equipment | c15 | 5 | 6 | 1 | 0 | 4 | 0 | 1 |
| Manufacturing, nec; recycling | c16 | 148 | 24 | 149 | 124 | 37 | 11 | 13 |
| Electricity, gas, and water supply | c17 | 363 | 172 | 389 | 153 | 64 | 39 | 67 |
| Construction | c18 | 73 | 36 | 9 | 11 | 15 | 2 | 3 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 14 | 18 | 6 | 2 | 1 | 2 | 2 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 1,066 | 221 | 2,157 | 493 | 297 | 210 | 175 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | - | - | - | - | - | - |
| Hotels and restaurants | c22 | 109 | 40 | 41 | 23 | 9 | 6 | 13 |
| Inland transport | c23 | 237 | 76 | 418 | 104 | 62 | 47 | 37 |
| Water transport | c24 | 126 | 23 | 190 | 49 | 29 | 23 | 17 |
| Air transport | c25 | 38 | 112 | 44 | 13 | 9 | 4 | 5 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 53 | 13 | 57 | 33 | 35 | 23 | 22 |
| Post and telecommunications | c27 | 85 | 34 | 30 | 18 | 11 | 5 | 11 |
| Financial intermediation | c28 | 189 | 226 | 127 | 135 | 52 | 37 | 123 |
| Real estate activities | c29 | 70 | 12 | 28 | 15 | 7 | 4 | 16 |
| Renting of M&Eq and other business activities | c30 | 115 | 134 | 195 | 50 | 9 | 8 | 49 |
| Public administration and defense; compulsory social security | c31 | 1 | 0 | 1 | 2 | 0 | 0 | 0 |
| Education | c32 | 3 | 42 | 2 | 2 | 0 | 0 | 1 |
| Health and social work | c33 | 2 | 0 | 1 | 1 | 1 | 0 | 0 |
| Other community, social, and personal services | c34 | 12 | 4 | 11 | 6 | 6 | 2 | 6 |
| Private households with employed persons | c35 | 2 | 0 | 0 | 2 | - | 0 | - |

continued on next page

Table A10.1 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 449 | 180 | 5 | 4 | 9 | 1 |
| Mining and quarrying | c2 | 2,721 | 696 | 21 | 917 | 348 | 2 | 15 |
| Food, beverages, and tobacco | c3 | 18 | 31 | 3 | 7 | 3 | 1 | 1 |
| Textiles and textile products | c4 | 3 | 8 | 15 | 10 | 5 | 2 | 6 |
| Leather, leather products, and footwear | c5 | 0 | 1 | 6 | 2 | 1 | 1 | 0 |
| Wood and products of wood and cork | c6 | 0 | 35 | 2 | 11 | 10 | 14 | 6 |
| Pulp, paper, paper products, printing, and publishing | c7 | 0 | 75 | 63 | 66 | 25 | 5 | 187 |
| Coke, refined petroleum, and nuclear fuel | c8 | 1,581 | 51 | 46 | 193 | 88 | 37 | 17 |
| Chemicals and chemical products | c9 | 44 | 1,307 | 1,076 | 138 | 168 | 26 | 171 |
| Rubber and plastics | c10 | 16 | 160 | 931 | 23 | 48 | 64 | 375 |
| Other nonmetallic minerals | c11 | 0 | 24 | 16 | 579 | 37 | 16 | 63 |
| Basic metals and fabricated metal | c12 | 1 | 56 | 109 | 102 | 3,505 | 532 | 1,412 |
| Machinery, nec | c13 | 5 | 7 | 10 | 7 | 29 | 201 | 20 |
| Electrical and optical equipment | c14 | 14 | 9 | 9 | 11 | 90 | 322 | 4,551 |
| Transport equipment | c15 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| Manufacturing, nec; recycling | c16 | 2 | 41 | 23 | 17 | 28 | 12 | 153 |
| Electricity, gas, and water supply | c17 | 32 | 109 | 98 | 267 | 234 | 27 | 59 |
| Construction | c18 | 0 | 9 | 4 | 2 | 6 | 30 | 10 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 1 | 3 | 4 | 9 | 4 | 1 | 1 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 185 | 258 | 289 | 185 | 299 | 103 | 813 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | - | - | - | - | - | - |
| Hotels and restaurants | c22 | 3 | 20 | 11 | 14 | 23 | 13 | 20 |
| Inland transport | c23 | 37 | 63 | 60 | 43 | 65 | 24 | 168 |
| Water transport | c24 | 18 | 65 | 29 | 20 | 30 | 10 | 80 |
| Air transport | c25 | 3 | 13 | 8 | 6 | 12 | 5 | 17 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 2 | 42 | 12 | 10 | 28 | 7 | 24 |
| Post and telecommunications | c27 | 1 | 18 | 8 | 8 | 18 | 9 | 15 |
| Financial intermediation | c28 | 34 | 129 | 49 | 62 | 94 | 54 | 48 |
| Real estate activities | c29 | 1 | 17 | 8 | 8 | 12 | 14 | 9 |
| Renting of M&Eq and other business activities | c30 | 1 | 121 | 26 | 23 | 63 | 26 | 67 |
| Public administration and defense; compulsory social security | c31 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Education | c32 | 0 | 2 | 2 | 1 | 3 | 1 | 3 |
| Health and social work | c33 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| Other community, social, and personal services | c34 | 16 | 6 | 5 | 3 | 11 | 3 | 7 |
| Private households with employed persons | c35 | - | 0 | - | 0 | 0 | - | 2 |

continued on next page

Table A10.1 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 0 | 1,217 | 0 | 46 | 0 | 30 | - | 547 | 0 | 0 | 0 | 1 |
| 9 | 19 | 305 | 460 | 1 | 18 | - | 53 | 1 | 0 | 0 | 1 |
| 2 | 22 | 0 | 8 | 1 | 55 | - | 1,229 | 3 | 0 | 1 | 2 |
| 58 | 108 | 2 | 20 | 2 | 28 | - | 61 | 4 | 1 | 1 | 3 |
| 12 | 61 | 0 | 4 | 0 | 7 | - | 1 | 1 | 0 | 0 | 1 |
| 1 | 1,439 | 0 | 233 | 0 | 20 | - | 2 | 0 | 2 | 0 | 1 |
| 14 | 190 | 4 | 31 | 6 | 221 | - | 83 | 9 | 1 | 1 | 6 |
| 45 | 33 | 34 | 759 | 19 | 267 | - | 609 | 998 | 348 | 384 | 81 |
| 79 | 261 | 8 | 138 | 5 | 24 | - | 19 | 6 | 2 | 0 | 1 |
| 450 | 146 | 5 | 206 | 23 | 74 | - | 12 | 209 | 16 | 0 | 8 |
| 50 | 44 | 0 | 3,344 | 1 | 10 | - | 8 | 4 | 2 | - | 3 |
| 700 | 453 | 25 | 2,154 | 71 | 46 | - | 7 | 32 | 19 | 0 | 11 |
| 40 | 8 | 33 | 160 | 3 | 43 | - | 10 | 5 | 31 | 73 | 9 |
| 334 | 18 | 73 | 1,030 | 22 | 88 | - | 17 | 58 | 11 | 1 | 9 |
| 1,588 | 0 | 0 | 8 | 1 | 14 | - | 1 | 10 | 12 | 0 | 7 |
| 40 | 214 | 41 | 285 | 9 | 128 | - | 64 | 9 | 2 | 0 | 128 |
| 71 | 85 | 229 | 79 | 14 | 307 | - | 163 | 8 | 2 | 1 | 33 |
| 2 | 3 | 12 | 918 | 2 | 122 | - | 20 | 33 | 0 | 0 | 10 |
| 10 | 2 | 3 | 49 | 9 | 35 | - | 6 | 96 | 1 | 0 | 63 |
| 295 | 361 | 56 | 819 | 15 | 103 | - | 172 | 49 | 10 | 8 | 18 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 15 | 14 | 8 | 109 | 12 | 163 | - | 42 | 21 | 6 | 3 | 12 |
| 63 | 76 | 12 | 186 | 5 | 70 | - | 39 | 17 | 3 | 5 | 7 |
| 30 | 36 | 6 | 84 | 1 | 11 | - | 17 | 5 | 28 | 1 | 2 |
| 13 | 11 | 2 | 43 | 3 | 59 | - | 19 | 5 | 2 | 13 | 10 |
| 69 | 42 | 2 | 32 | 8 | 226 | - | 2 | 184 | 248 | 136 | 568 |
| 17 | 12 | 5 | 60 | 12 | 179 | - | 29 | 16 | 4 | 6 | 17 |
| 249 | 58 | 13 | 377 | 47 | 660 | - | 273 | 69 | 50 | 68 | 20 |
| 11 | 18 | 1 | 55 | 50 | 584 | - | 194 | 15 | 5 | 6 | 28 |
| 107 | 19 | 7 | 327 | 26 | 406 | - | 74 | 31 | 17 | 53 | 99 |
| 0 | 0 | 0 | 1 | 0 | 7 | - | 0 | 0 | 0 | 0 | 0 |
| 0 | 2 | 2 | 5 | 1 | 21 | - | 1 | 2 | 0 | 3 | 1 |
| 0 | 0 | 1 | 3 | 0 | 3 | - | 0 | 1 | 0 | - | 0 |
| 2 | 6 | 1 | 19 | 1 | 29 | - | 21 | 1 | 0 | 0 | 2 |
| 0 | 0 | - | 2 | 0 | 3 | - | 1 | 0 | 0 | - | - |

continued on next page

Table A10.1 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 2 | 5 | 42 | 1 |
| Mining and quarrying | c2 | 0 | 0 | 7 | 4 | 0 |
| Food, beverages, and tobacco | c3 | 12 | 4 | 5 | 20 | 2 |
| Textiles and textile products | c4 | 4 | 3 | 5 | 8 | 6 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 2 | 0 |
| Wood and products of wood and cork | c6 | 4 | 1 | 7 | 5 | 3 |
| Pulp, paper, paper products, printing, and publishing | c7 | 39 | 44 | 15 | 228 | 59 |
| Coke, refined petroleum, and nuclear fuel | c8 | 56 | 46 | 18 | 42 | 43 |
| Chemicals and chemical products | c9 | 4 | 4 | 11 | 32 | 6 |
| Rubber and plastics | c10 | 2 | 6 | 2 | 21 | 9 |
| Other nonmetallic minerals | c11 | 63 | 4 | 89 | 21 | 3 |
| Basic metals and fabricated metal | c12 | 59 | 13 | 33 | 42 | 13 |
| Machinery, nec | c13 | 6 | 9 | 8 | 20 | 11 |
| Electrical and optical equipment | c14 | 611 | 13 | 16 | 81 | 18 |
| Transport equipment | c15 | 0 | 0 | 0 | 6 | 4 |
| Manufacturing, nec; recycling | c16 | 14 | 46 | 25 | 120 | 50 |
| Electricity, gas, and water supply | c17 | 80 | 58 | 70 | 42 | 34 |
| Construction | c18 | 24 | 14 | 361 | 21 | 42 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 3 | 2 | 7 | 7 | 17 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 107 | 19 | 29 | 63 | 20 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | - | - | - | - |
| Hotels and restaurants | c22 | 16 | 83 | 26 | 132 | 117 |
| Inland transport | c23 | 29 | 12 | 12 | 53 | 31 |
| Water transport | c24 | 11 | 2 | 3 | 10 | 3 |
| Air transport | c25 | 6 | 21 | 13 | 46 | 22 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 8 | 0 | 0 | 5 | 0 |
| Post and telecommunications | c27 | 742 | 79 | 29 | 119 | 45 |
| Financial intermediation | c28 | 21 | 2,020 | 86 | 67 | 25 |
| Real estate activities | c29 | 30 | 202 | 217 | 105 | 22 |
| Renting of M&Eq and other business activities | c30 | 620 | 169 | 139 | 599 | 83 |
| Public administration and defense; compulsory social security | c31 | 0 | 0 | 1 | 1 | 13 |
| Education | c32 | 14 | 10 | 6 | 15 | 15 |
| Health and social work | c33 | 0 | 3 | 1 | 1 | 5 |
| Other community, social, and personal services | c34 | 7 | 7 | 10 | 113 | 18 |
| Private households with employed persons | c35 | - | 0 | - | 0 | 0 |

continued on next page

Table A10.1 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 12 | 3 | 3 | 0 | 9,216 | - | 0 | 715 | 1,515 | 3,599 | 41,979 |
| 1 | 1 | 16 | 0 | 843 | - | - | 0 | 528 | 6,457 | 14,947 |
| 11 | 8 | 5 | 0 | 10,985 | - | 6 | 2 | 1,090 | 12,422 | 40,955 |
| 5 | 8 | 35 | 0 | 1,107 | - | 0 | - | 116 | 7,283 | 15,831 |
| 0 | 0 | 3 | 0 | 889 | - | - | 0 | 528 | 5,049 | 9,273 |
| 1 | 0 | 8 | 0 | 161 | - | - | 0 | 125 | 513 | 3,738 |
| 28 | 17 | 191 | 0 | 164 | - | 1 | 4 | (15) | 256 | 4,079 |
| 26 | 8 | 50 | 1 | 548 | - | - | - | (364) | 26 | 8,467 |
| 12 | 547 | 53 | 0 | 492 | - | 0 | 0 | (264) | 785 | 7,895 |
| 5 | 10 | 17 | 0 | 176 | - | 0 | 0 | 121 | 1,966 | 6,382 |
| 2 | 2 | 18 | 0 | 215 | - | - | - | (371) | 1,174 | 5,466 |
| 6 | 5 | 22 | 0 | 96 | - | 0 | 0 | (539) | 1,868 | 12,240 |
| 7 | 14 | 10 | 0 | 576 | - | 0 | 1,254 | 413 | 349 | 3,791 |
| 17 | 21 | 54 | 0 | 1,272 | - | - | 926 | 719 | 6,994 | 17,547 |
| 0 | 0 | 2 | 0 | 1,222 | - | - | 4,100 | 350 | 414 | 7,762 |
| 68 | 112 | 45 | 1 | 2,034 | - | 0 | 909 | 244 | 2,886 | 8,259 |
| 28 | 30 | 64 | 0 | 1,051 | - | 4 | - | (3) | 18 | 4,543 |
| 37 | 24 | 15 | 0 | 651 | - | 1 | 22,487 | 132 | 6 | 25,150 |
| 3 | 2 | 6 | 0 | 705 | - | - | - | - | 15 | 1,111 |
| 18 | 71 | 50 | 0 | 2,341 | - | - | 599 | 0 | 2,796 | 14,768 |
| - | - | - | - | - | - | - | - | - | - | - |
| 33 | 9 | 34 | 1 | 3,743 | - | 0 | 0 | 0 | 3,416 | 8,362 |
| 16 | 18 | 17 | 0 | 1,924 | - | - | 131 | 0 | 991 | 5,159 |
| 2 | 7 | 5 | 0 | 264 | - | 0 | 57 | 0 | 508 | 1,801 |
| 9 | 4 | 7 | 0 | 695 | - | - | 8 | - | 631 | 1,933 |
| 1 | 0 | 3 | - | 47 | - | - | - | - | 961 | 2,907 |
| 21 | 7 | 22 | 1 | 2,715 | - | 488 | - | (0) | 218 | 5,111 |
| 18 | 7 | 34 | 0 | 2,400 | - | - | - | - | 476 | 8,397 |
| 105 | 3 | 51 | 0 | 3,493 | - | 0 | 46 | 1 | 5 | 5,469 |
| 65 | 16 | 78 | 0 | 1,629 | - | 249 | 4 | 0 | 315 | 6,015 |
| 3 | 1 | 1 | - | 111 | - | 3,876 | - | - | - | 4,023 |
| 54 | 3 | 3 | 0 | 3,123 | - | 970 | - | (0) | 233 | 4,547 |
| 3 | 16 | 2 | - | 2,407 | - | 585 | - | - | 224 | 3,265 |
| 8 | 9 | 252 | 0 | 2,489 | - | 280 | 0 | 0 | 123 | 3,495 |
| 0 | 0 | 1 | - | 109 | - | - | - | - | 0 | 121 |

continued on next page

Table A10.1 Import Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1,073 | 1 | 2,565 | 29 | 1 | 166 | 4 |
| Mining and quarrying | m2 | 4 | 226 | 17 | 5 | 2 | 0 | 4 |
| Food, beverages, and tobacco | m3 | 786 | 0 | 1,233 | 0 | 0 | 0 | 3 |
| Textiles and textile products | m4 | 61 | 5 | 4 | 1,768 | 239 | 4 | 17 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 0 | 11 | 252 | 0 | 1 |
| Wood and products of wood and cork | m6 | 2 | 0 | 1 | 1 | 0 | 29 | 4 |
| Pulp, paper, paper products, printing, and publishing | m7 | 25 | 2 | 115 | 24 | 40 | 7 | 312 |
| Coke, refined petroleum, and nuclear fuel | m8 | 1,400 | 1,277 | 183 | 45 | 19 | 52 | 26 |
| Chemicals and chemical products | m9 | 2,159 | 223 | 261 | 693 | 226 | 90 | 198 |
| Rubber and plastics | m10 | 30 | 37 | 72 | 24 | 74 | 9 | 28 |
| Other nonmetallic minerals | m11 | 3 | 1 | 2 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | 207 | 697 | 214 | 39 | 138 | 61 | 40 |
| Machinery, nec | m13 | 112 | 702 | 42 | 29 | 17 | 10 | 13 |
| Electrical and optical equipment | m14 | 37 | 31 | 17 | 12 | 9 | 3 | 4 |
| Transport equipment | m15 | 1 | 2 | 0 | 0 | 1 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 52 | 8 | 61 | 31 | 9 | 5 | 5 |
| Electricity, gas, and water supply | m17 | 9 | 4 | 11 | 3 | 1 | 2 | 1 |
| Construction | m18 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 10 | 0 | 12 | 7 | 2 | 1 | 4 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 9 | 3 | 4 | 2 | 1 | 1 | 1 |
| Inland transport | m23 | 3 | 1 | 5 | 1 | 1 | 1 | 0 |
| Water transport | m24 | 8 | 0 | 19 | 11 | 1 | 2 | 3 |
| Air transport | m25 | 13 | 24 | 14 | 5 | 2 | 2 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 4 | 1 | 2 | 1 | 0 | 0 | 1 |
| Financial intermediation | m28 | 51 | 52 | 38 | 32 | 12 | 16 | 27 |
| Real estate activities | m29 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| Renting of M&Eq and other business activities | m30 | 20 | 20 | 38 | 8 | 1 | 2 | 7 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | 1 | 7 | 1 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | - | - | - | - | - | - | - |
| Total intermediate consumption | r60 | 25,488 | 8,300 | 34,869 | 11,023 | 5,924 | 3,258 | 3,178 |
| Taxes less subsidies on products | r99 | 587 | 302 | 692 | 373 | 170 | 59 | 95 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - | - |
| Value added at basic prices | r64 | 15,904 | 6,345 | 5,393 | 4,434 | 3,179 | 421 | 806 |
| International transport margins | | - | - | - | - | - | - | - |
| Output at basic prices | r69 | 41,979 | 14,947 | 40,955 | 15,831 | 9,273 | 3,738 | 4,079 |

continued on next page

Table A10.1 Import Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|---------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| 0 | 78 | 31 | 1 | 1 | 1 | 1 | 0 | 228 | 0 | 6 | 0 | 3 |
| 500 | 128 | 4 | 169 | 62 | 0 | 3 | 1 | 5 | 26 | 81 | 0 | 2 |
| 2 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 7 |
| 2 | 2 | 4 | 3 | 1 | 1 | 1 | 18 | 34 | 1 | 6 | 1 | 8 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 1 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 8 | 0 | 1 |
| 0 | 19 | 16 | 17 | 6 | 1 | 47 | 4 | 49 | 1 | 8 | 2 | 63 |
| 1,931 | 62 | 56 | 235 | 116 | 45 | 20 | 58 | 42 | 57 | 951 | 24 | 320 |
| 71 | 1,752 | 1,439 | 187 | 242 | 35 | 229 | 111 | 361 | 14 | 188 | 7 | 32 |
| 3 | 32 | 187 | 5 | 12 | 13 | 76 | 96 | 31 | 1 | 43 | 5 | 15 |
| 0 | 3 | 2 | 73 | 5 | 2 | 8 | 7 | 6 | 0 | 430 | 0 | 1 |
| 0 | 56 | 108 | 102 | 3,527 | 531 | 1,408 | 701 | 461 | 26 | 2,157 | 71 | 46 |
| 12 | 16 | 21 | 16 | 69 | 315 | 45 | 88 | 19 | 81 | 361 | 6 | 91 |
| 13 | 9 | 7 | 9 | 76 | 253 | 3,559 | 260 | 15 | 63 | 813 | 17 | 75 |
| 0 | 0 | 0 | 0 | 0 | 0 | 3 | 410 | 0 | 0 | 2 | 0 | 4 |
| 0 | 10 | 6 | 4 | 7 | 3 | 42 | 11 | 72 | 13 | 59 | 2 | 33 |
| 1 | 2 | 2 | 6 | 5 | 1 | 1 | 2 | 2 | 6 | 2 | 0 | 6 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 |
| 9 | 13 | 6 | 5 | 4 | 1 | 12 | 3 | 2 | 0 | 7 | 0 | 7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 9 | 1 | 10 |
| 0 | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 2 | 0 | 1 |
| 3 | 4 | 3 | 5 | 4 | 1 | 8 | 2 | 2 | 0 | 4 | 0 | 19 |
| 1 | 3 | 2 | 2 | 3 | 1 | 7 | 3 | 3 | 1 | 10 | 1 | 15 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 6 |
| 8 | 29 | 11 | 14 | 24 | 12 | 11 | 60 | 15 | 4 | 93 | 11 | 141 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 |
| 0 | 18 | 4 | 3 | 10 | 4 | 10 | 17 | 3 | 1 | 52 | 4 | 56 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7,299 | 6,069 | 5,038 | 3,612 | 9,472 | 2,795 | 13,824 | 6,236 | 6,383 | 1,190 | 17,352 | 526 | 5,041 |
| 297 | 186 | 149 | 144 | 207 | 84 | 571 | 378 | 138 | 51 | 437 | 42 | 489 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 871 | 1,639 | 1,196 | 1,710 | 2,561 | 913 | 3,152 | 1,148 | 1,738 | 3,301 | 7,360 | 543 | 9,238 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8,467 | 7,895 | 6,382 | 5,466 | 12,240 | 3,791 | 17,547 | 7,762 | 8,259 | 4,543 | 25,150 | 1,111 | 14,768 |

continued on next page

Table A10.1 Import Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | - | 93 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | - | 4 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | - | 154 | 0 | 0 | 0 | 0 |
| Textiles and textile products | m4 | - | 18 | 1 | 0 | 0 | 1 |
| Leather, leather products, and footwear | m5 | - | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | - | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | - | 21 | 2 | 0 | 0 | 2 |
| Coke, refined petroleum, and nuclear fuel | m8 | - | 755 | 1,212 | 411 | 462 | 109 |
| Chemicals and chemical products | m9 | - | 26 | 7 | 2 | 0 | 1 |
| Rubber and plastics | m10 | - | 2 | 42 | 3 | 0 | 2 |
| Other nonmetallic minerals | m11 | - | 1 | 0 | 0 | 0 | 0 |
| Basic metals and fabricated metal | m12 | - | 6 | 31 | 19 | 0 | 11 |
| Machinery, nec | m13 | - | 22 | 12 | 66 | 157 | 19 |
| Electrical and optical equipment | m14 | - | 13 | 44 | 9 | 1 | 7 |
| Transport equipment | m15 | - | 0 | 2 | 3 | 0 | 2 |
| Manufacturing, nec; recycling | m16 | - | 18 | 3 | 1 | 0 | 38 |
| Electricity, gas, and water supply | m17 | - | 3 | 0 | 0 | 0 | 1 |
| Construction | m18 | - | 1 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | - | 0 | 3 | 0 | 0 | 2 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | - | 2 | 0 | 1 | 1 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | - | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | - | 3 | 1 | 0 | 0 | 1 |
| Inland transport | m23 | - | 0 | 0 | 0 | 0 | 0 |
| Water transport | m24 | - | 1 | 0 | 8 | 2 | 1 |
| Air transport | m25 | - | 4 | 1 | 3 | 4 | 2 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | - | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | - | 1 | 1 | 0 | 0 | 1 |
| Financial intermediation | m28 | - | 61 | 15 | 11 | 15 | 5 |
| Real estate activities | m29 | - | 4 | 0 | 0 | 0 | 1 |
| Renting of M&Eq and other business activities | m30 | - | 11 | 4 | 2 | 7 | 16 |
| Public administration and defense; compulsory social security | m31 | - | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | - | 0 | 0 | 0 | 0 | 0 |
| Health and social work | m33 | - | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | - | 1 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | - | - | - | - | - | - |
| Total intermediate consumption | r60 | - | 5,019 | 3,288 | 1,366 | 1,416 | 1,385 |
| Taxes less subsidies on products | r99 | - | 213 | 95 | 37 | 39 | 52 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - | - |
| Value added at basic prices | r64 | - | 3,130 | 1,775 | 398 | 478 | 1,470 |
| International transport margins | | - | - | - | - | - | - |
| Output at basic prices | r69 | - | 8,362 | 5,159 | 1,801 | 1,933 | 2,907 |

continued on next page

Table A10.1 Import Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|--------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 0 | 0 | 1 | 7 | 0 | 2 | 2 | 1 | 0 | 1,543 | - |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 144 | - |
| 1 | 1 | 1 | 3 | 0 | 1 | 1 | 1 | 0 | 1,470 | - |
| 2 | 1 | 1 | 4 | 3 | 2 | 3 | 11 | 0 | 347 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | - |
| 10 | 12 | 4 | 58 | 15 | 7 | 5 | 48 | 0 | 58 | - |
| 68 | 56 | 21 | 54 | 53 | 33 | 9 | 60 | 2 | 722 | - |
| 5 | 6 | 15 | 45 | 9 | 18 | 745 | 74 | 0 | 719 | - |
| 0 | 1 | 1 | 4 | 2 | 1 | 2 | 3 | 0 | 38 | - |
| 7 | 1 | 11 | 3 | 0 | 0 | 0 | 2 | 0 | 29 | - |
| 59 | 13 | 33 | 42 | 13 | 6 | 5 | 22 | 0 | 100 | - |
| 14 | 19 | 17 | 44 | 25 | 15 | 28 | 21 | 0 | 1,181 | - |
| 476 | 13 | 13 | 63 | 18 | 13 | 17 | 42 | 0 | 1,078 | - |
| 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 318 | - |
| 4 | 14 | 7 | 39 | 19 | 23 | 34 | 14 | 0 | 458 | - |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 21 | - |
| 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 25 | - |
| 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 6 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - |
| 1 | 6 | 2 | 9 | 7 | 2 | 1 | 2 | 0 | 250 | - |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 19 | - |
| 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | - |
| 1 | 4 | 3 | 10 | 5 | 2 | 1 | 2 | 0 | 150 | - |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | - | 2 | - |
| 26 | 3 | 2 | 5 | 2 | 1 | 0 | 1 | 0 | 103 | - |
| 5 | 451 | 20 | 16 | 6 | 5 | 2 | 8 | 0 | 577 | - |
| 1 | 4 | 4 | 2 | 0 | 3 | 0 | 1 | 0 | 72 | - |
| 89 | 24 | 21 | 94 | 12 | 11 | 2 | 12 | 0 | 255 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 2 | 2 | 1 | 3 | 2 | 10 | 1 | 0 | 0 | 530 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | - | 198 | - |
| 0 | 0 | 0 | 5 | 1 | 0 | 0 | 11 | 0 | 108 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 3,367 | 3,535 | 1,434 | 2,607 | 940 | 783 | 1,848 | 1,519 | 10 | 70,528 | - |
| 172 | 206 | 117 | 160 | 42 | 78 | 46 | 102 | 0 | 3,709 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 1,572 | 4,656 | 3,917 | 3,248 | 3,041 | 3,685 | 1,371 | 1,874 | 111 | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 5,111 | 8,397 | 5,469 | 6,015 | 4,023 | 4,547 | 3,265 | 3,495 | 121 | 74,237 | - |

continued on next page

Table A10.1 Import Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|---------------|----------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 109 | 152 | - | 6,100 |
| Mining and quarrying | m2 | 0 | 0 | 72 | - | 1,462 |
| Food, beverages, and tobacco | m3 | 1 | 0 | 103 | - | 3,778 |
| Textiles and textile products | m4 | 0 | 0 | 32 | - | 2,608 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 44 | - | 412 |
| Wood and products of wood and cork | m6 | 0 | 0 | 4 | - | 99 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 1 | (3) | - | 997 |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 0 | (416) | - | 10,528 |
| Chemicals and chemical products | m9 | 0 | 0 | (315) | - | 9,873 |
| Rubber and plastics | m10 | 0 | 0 | 24 | - | 920 |
| Other nonmetallic minerals | m11 | 0 | 0 | (44) | - | 556 |
| Basic metals and fabricated metal | m12 | 0 | 0 | (414) | - | 10,538 |
| Machinery, nec | m13 | 0 | 3,602 | 644 | - | 7,949 |
| Electrical and optical equipment | m14 | 22 | 765 | 618 | - | 8,496 |
| Transport equipment | m15 | 0 | 1,085 | 90 | - | 1,928 |
| Manufacturing, nec; recycling | m16 | 0 | 218 | 67 | - | 1,391 |
| Electricity, gas, and water supply | m17 | 0 | 0 | (0) | - | 101 |
| Construction | m18 | 0 | 1 | 0 | - | 19 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | - | 38 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 1 | 15 | 6 | - | 141 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | - | 2 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | - | 335 |
| Inland transport | m23 | 0 | 2 | 0 | - | 43 |
| Water transport | m24 | 0 | 1 | (2) | - | 119 |
| Air transport | m25 | 0 | 2 | 0 | - | 304 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 1 | 0 | - | 11 |
| Post and telecommunications | m27 | 14 | 0 | 0 | - | 180 |
| Financial intermediation | m28 | 0 | 0 | 0 | - | 1,857 |
| Real estate activities | m29 | 0 | 0 | 0 | - | 110 |
| Renting of M&Eq and other business activities | m30 | 46 | 1 | 0 | - | 888 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | - | 0 |
| Education | m32 | 153 | 0 | 0 | - | 722 |
| Health and social work | m33 | 40 | 0 | 0 | - | 243 |
| Other community, social, and personal services | m34 | 12 | 0 | 0 | - | 147 |
| Private households with employed persons | m35 | - | - | - | - | - |
| Total intermediate consumption | r60 | 6,749 | 37,045 | 4,989 | 62,975 | 387,681 |
| Taxes less subsidies on products | r99 | 197 | 801 | 160 | - | 11,678 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | - | - | - | - | 102,579 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 6,947 | 37,846 | 5,149 | 62,975 | 501,938 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Table A10.2: Viet Nam Input–Output Table, 2017 (current prices, \$ million)

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|-----|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 8,102 | 3 | 27,717 | 358 | 13 | 2,181 | 53 |
| Mining and quarrying | c2 | 26 | 907 | 96 | 31 | 14 | 1 | 27 |
| Food, beverages, and tobacco | c3 | 8,099 | 4 | 17,166 | 3 | 1 | 1 | 36 |
| Textiles and textile products | c4 | 210 | 14 | 24 | 10,698 | 1,703 | 18 | 91 |
| Leather, leather products, and footwear | c5 | 4 | 0 | 1 | 188 | 4,429 | 4 | 14 |
| Wood and products of wood and cork | c6 | 95 | 1 | 48 | 66 | 6 | 1,749 | 277 |
| Pulp, paper, paper products, printing, and publishing | c7 | 140 | 7 | 926 | 223 | 401 | 52 | 2,258 |
| Coke, refined petroleum, and nuclear fuel | c8 | 2,323 | 1,212 | 363 | 115 | 50 | 76 | 51 |
| Chemicals and chemical products | c9 | 2,274 | 160 | 383 | 1,204 | 478 | 97 | 283 |
| Rubber and plastics | c10 | 247 | 215 | 727 | 269 | 989 | 72 | 262 |
| Other nonmetallic minerals | c11 | 43 | 4 | 33 | 2 | 1 | 1 | 4 |
| Basic metals and fabricated metal | c12 | 377 | 911 | 611 | 131 | 446 | 129 | 87 |
| Machinery, nec | c13 | 157 | 892 | 67 | 56 | 35 | 14 | 20 |
| Electrical and optical equipment | c14 | 85 | 45 | 42 | 41 | 31 | 8 | 10 |
| Transport equipment | c15 | 13 | 11 | 3 | 1 | 16 | 1 | 2 |
| Manufacturing, nec; recycling | c16 | 227 | 28 | 338 | 318 | 99 | 23 | 25 |
| Electricity, gas, and water supply | c17 | 838 | 222 | 1,174 | 438 | 191 | 83 | 147 |
| Construction | c18 | 182 | 70 | 32 | 47 | 65 | 6 | 11 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 25 | 25 | 15 | 7 | 4 | 4 | 4 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 2,107 | 267 | 5,178 | 1,423 | 882 | 533 | 339 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | - | - | - | - | - | - |
| Hotels and restaurants | c22 | 155 | 40 | 81 | 53 | 21 | 12 | 24 |
| Inland transport | c23 | 334 | 70 | 861 | 219 | 137 | 78 | 60 |
| Water transport | c24 | 155 | 21 | 384 | 98 | 62 | 37 | 27 |
| Air transport | c25 | 49 | 104 | 83 | 28 | 21 | 8 | 9 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 72 | 14 | 113 | 74 | 81 | 39 | 38 |
| Post and telecommunications | c27 | 100 | 31 | 51 | 37 | 22 | 8 | 16 |
| Financial intermediation | c28 | 294 | 265 | 248 | 300 | 134 | 68 | 243 |
| Real estate activities | c29 | 110 | 14 | 50 | 35 | 17 | 8 | 29 |
| Renting of M&Eq and other business activities | c30 | 174 | 159 | 434 | 125 | 25 | 17 | 93 |
| Public administration and defense; compulsory social security | c31 | 1 | 0 | 2 | 6 | 1 | 0 | 0 |
| Education | c32 | 5 | 62 | 7 | 6 | 1 | 1 | 2 |
| Health and social work | c33 | 5 | 0 | 5 | 4 | 2 | 1 | 0 |
| Other community, social, and personal services | c34 | 19 | 5 | 25 | 16 | 16 | 4 | 11 |
| Private households with employed persons | c35 | 3 | 0 | 0 | 5 | - | 0 | - |

continued on next page

Table A10.2 Domestic Industry *continued*

| Industry | | Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment |
|--|-----|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|
| | | c8 | c9 | c10 | c11 | c12 | c13 | c14 |
| Domestic | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 1 | 788 | 274 | 8 | 5 | 10 | 2 |
| Mining and quarrying | c2 | 4,335 | 809 | 22 | 1,082 | 290 | 2 | 14 |
| Food, beverages, and tobacco | c3 | 46 | 66 | 5 | 14 | 4 | 1 | 2 |
| Textiles and textile products | c4 | 10 | 16 | 26 | 19 | 7 | 3 | 8 |
| Leather, leather products, and footwear | c5 | 0 | 2 | 9 | 4 | 1 | 1 | 0 |
| Wood and products of wood and cork | c6 | 0 | 76 | 3 | 24 | 16 | 19 | 10 |
| Pulp, paper, paper products, printing, and publishing | c7 | 1 | 163 | 122 | 138 | 42 | 7 | 334 |
| Coke, refined petroleum, and nuclear fuel | c8 | 4,831 | 146 | 116 | 487 | 192 | 67 | 39 |
| Chemicals and chemical products | c9 | 125 | 3,015 | 2,101 | 273 | 294 | 38 | 323 |
| Rubber and plastics | c10 | 47 | 392 | 2,137 | 53 | 89 | 88 | 744 |
| Other nonmetallic minerals | c11 | 0 | 54 | 32 | 1,205 | 66 | 24 | 126 |
| Basic metals and fabricated metal | c12 | 3 | 162 | 275 | 251 | 7,578 | 957 | 3,100 |
| Machinery, nec | c13 | 25 | 29 | 33 | 28 | 86 | 399 | 73 |
| Electrical and optical equipment | c14 | 41 | 20 | 19 | 22 | 156 | 450 | 9,581 |
| Transport equipment | c15 | 0 | 1 | 1 | 2 | 1 | 3 | 11 |
| Manufacturing, nec; recycling | c16 | 4 | 75 | 35 | 34 | 44 | 17 | 274 |
| Electricity, gas, and water supply | c17 | 101 | 247 | 226 | 796 | 507 | 45 | 127 |
| Construction | c18 | 1 | 33 | 12 | 8 | 18 | 71 | 32 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 3 | 8 | 9 | 23 | 7 | 2 | 2 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 526 | 666 | 590 | 413 | 529 | 151 | 1,548 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | - | - | - | - | - | - | - |
| Hotels and restaurants | c22 | 9 | 33 | 19 | 26 | 36 | 18 | 34 |
| Inland transport | c23 | 88 | 115 | 101 | 71 | 95 | 29 | 264 |
| Water transport | c24 | 41 | 104 | 46 | 32 | 41 | 12 | 121 |
| Air transport | c25 | 7 | 22 | 13 | 10 | 18 | 6 | 28 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 5 | 77 | 22 | 18 | 43 | 8 | 41 |
| Post and telecommunications | c27 | 3 | 27 | 13 | 13 | 24 | 10 | 22 |
| Financial intermediation | c28 | 93 | 265 | 104 | 101 | 161 | 77 | 88 |
| Real estate activities | c29 | 1 | 31 | 15 | 16 | 20 | 19 | 16 |
| Renting of M&Eq and other business activities | c30 | 3 | 279 | 52 | 50 | 109 | 37 | 126 |
| Public administration and defense; compulsory social security | c31 | 0 | 1 | 1 | 1 | 1 | 0 | 1 |
| Education | c32 | 0 | 5 | 4 | 3 | 7 | 1 | 7 |
| Health and social work | c33 | 0 | 3 | 2 | 1 | 3 | 1 | 1 |
| Other community, social, and personal services | c34 | 46 | 14 | 10 | 6 | 20 | 4 | 13 |
| Private households with employed persons | c35 | - | 0 | - | 0 | 0 | - | 5 |

continued on next page

Table A10.2 Domestic Industry *continued*

| Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|---------------------|-------------------------------|------------------------------------|--------------|--|--|---|------------------------|------------------|-----------------|---------------|--|
| c15 | c16 | c17 | c18 | c19 | c20 | c21 | c22 | c23 | c24 | c25 | c26 |
| Domestic | | | | | | | | | | | |
| 1 | 1,862 | 0 | 50 | 0 | 52 | - | 860 | 0 | 0 | 0 | 1 |
| 8 | 19 | 338 | 327 | 1 | 19 | - | 51 | 1 | 0 | 0 | 0 |
| 3 | 41 | 1 | 10 | 2 | 115 | - | 2,135 | 4 | 1 | 1 | 3 |
| 81 | 176 | 5 | 24 | 3 | 45 | - | 94 | 5 | 1 | 1 | 3 |
| 14 | 85 | 1 | 4 | 1 | 10 | - | 2 | 1 | 0 | 0 | 1 |
| 2 | 2,692 | 1 | 312 | 0 | 42 | - | 4 | 0 | 3 | 0 | 2 |
| 24 | 361 | 10 | 42 | 13 | 469 | - | 150 | 12 | 1 | 1 | 9 |
| 95 | 83 | 113 | 1,278 | 49 | 705 | - | 1,495 | 1,613 | 584 | 572 | 166 |
| 134 | 523 | 20 | 199 | 10 | 54 | - | 36 | 7 | 2 | 0 | 1 |
| 788 | 300 | 14 | 310 | 53 | 196 | - | 24 | 290 | 23 | 0 | 14 |
| 92 | 95 | 1 | 4,663 | 3 | 23 | - | 14 | 5 | 2 | - | 4 |
| 1,440 | 1,102 | 82 | 3,612 | 191 | 143 | - | 15 | 51 | 33 | 0 | 25 |
| 118 | 29 | 152 | 353 | 8 | 142 | - | 28 | 11 | 62 | 164 | 21 |
| 601 | 40 | 214 | 1,477 | 52 | 213 | - | 32 | 83 | 17 | 1 | 17 |
| 4,442 | 0 | 1 | 18 | 2 | 50 | - | 2 | 19 | 24 | 0 | 17 |
| 65 | 408 | 106 | 390 | 19 | 275 | - | 117 | 11 | 3 | 0 | 202 |
| 120 | 194 | 821 | 129 | 33 | 841 | - | 347 | 12 | 3 | 2 | 57 |
| 5 | 9 | 50 | 3,095 | 9 | 369 | - | 62 | 71 | 1 | 1 | 27 |
| 19 | 4 | 10 | 79 | 21 | 88 | - | 13 | 141 | 1 | 0 | 118 |
| 509 | 729 | 151 | 1,188 | 31 | 233 | - | 333 | 64 | 14 | 10 | 31 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 22 | 26 | 20 | 135 | 23 | 322 | - | 63 | 24 | 7 | 3 | 18 |
| 86 | 127 | 28 | 220 | 8 | 131 | - | 62 | 18 | 3 | 5 | 10 |
| 40 | 57 | 12 | 94 | 3 | 20 | - | 26 | 5 | 31 | 1 | 2 |
| 16 | 19 | 5 | 50 | 6 | 110 | - | 30 | 6 | 2 | 14 | 13 |
| 91 | 75 | 6 | 41 | 15 | 451 | - | 4 | 213 | 297 | 153 | 837 |
| 21 | 18 | 11 | 64 | 19 | 321 | - | 50 | 16 | 5 | 6 | 21 |
| 390 | 115 | 33 | 507 | 98 | 1,523 | - | 511 | 88 | 66 | 84 | 33 |
| 17 | 34 | 3 | 70 | 97 | 1,205 | - | 340 | 18 | 7 | 7 | 42 |
| 182 | 37 | 18 | 466 | 54 | 904 | - | 140 | 40 | 22 | 66 | 162 |
| 0 | 0 | 1 | 1 | 0 | 18 | - | 1 | 0 | 0 | 0 | 0 |
| 1 | 5 | 8 | 8 | 2 | 57 | - | 2 | 3 | 0 | 5 | 3 |
| 1 | 2 | 5 | 7 | 0 | 10 | - | 1 | 1 | 0 | - | 1 |
| 4 | 12 | 3 | 29 | 2 | 68 | - | 41 | 2 | 1 | 0 | 4 |
| 0 | 0 | - | 3 | 0 | 8 | - | 1 | 0 | 0 | - | - |

continued on next page

Table A10.2 Domestic Industry *continued*

| Industry | | Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security |
|--|-----|-----------------------------|--------------------------|------------------------|---|---|
| | | c27 | c28 | c29 | c30 | c31 |
| Domestic | | | | | | |
| Agriculture, hunting, forestry, and fishing | c1 | 0 | 2 | 4 | 54 | 2 |
| Mining and quarrying | c2 | 0 | 0 | 4 | 3 | 0 |
| Food, beverages, and tobacco | c3 | 14 | 6 | 5 | 31 | 4 |
| Textiles and textile products | c4 | 5 | 5 | 5 | 12 | 9 |
| Leather, leather products, and footwear | c5 | 0 | 0 | 0 | 2 | 0 |
| Wood and products of wood and cork | c6 | 4 | 1 | 8 | 8 | 5 |
| Pulp, paper, paper products, printing, and publishing | c7 | 44 | 65 | 16 | 366 | 100 |
| Coke, refined petroleum, and nuclear fuel | c8 | 90 | 89 | 25 | 88 | 95 |
| Chemicals and chemical products | c9 | 5 | 7 | 13 | 54 | 11 |
| Rubber and plastics | c10 | 3 | 10 | 3 | 38 | 17 |
| Other nonmetallic minerals | c11 | 72 | 6 | 101 | 39 | 6 |
| Basic metals and fabricated metal | c12 | 93 | 26 | 48 | 94 | 31 |
| Machinery, nec | c13 | 12 | 21 | 14 | 50 | 30 |
| Electrical and optical equipment | c14 | 808 | 23 | 19 | 149 | 36 |
| Transport equipment | c15 | 1 | 0 | 1 | 15 | 10 |
| Manufacturing, nec; recycling | c16 | 16 | 71 | 27 | 201 | 90 |
| Electricity, gas, and water supply | c17 | 109 | 103 | 94 | 80 | 70 |
| Construction | c18 | 45 | 37 | 730 | 59 | 122 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | c19 | 4 | 4 | 9 | 13 | 35 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | c20 | 130 | 29 | 34 | 108 | 36 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | c21 | – | – | – | – | – |
| Hotels and restaurants | c22 | 17 | 118 | 27 | 201 | 188 |
| Inland transport | c23 | 29 | 16 | 11 | 75 | 47 |
| Water transport | c24 | 10 | 2 | 3 | 13 | 4 |
| Air transport | c25 | 6 | 27 | 12 | 65 | 33 |
| Other supporting and auxiliary transport activities; activities of travel agencies | c26 | 9 | 1 | 0 | 8 | 0 |
| Post and telecommunications | c27 | 846 | 94 | 25 | 152 | 61 |
| Financial intermediation | c28 | 25 | 3,119 | 94 | 111 | 44 |
| Real estate activities | c29 | 33 | 290 | 215 | 163 | 36 |
| Renting of M&Eq and other business activities | c30 | 745 | 263 | 142 | 1,030 | 153 |
| Public administration and defense; compulsory social security | c31 | 0 | 1 | 1 | 2 | 25 |
| Education | c32 | 21 | 20 | 9 | 32 | 33 |
| Health and social work | c33 | 1 | 8 | 2 | 4 | 15 |
| Other community, social, and personal services | c34 | 9 | 11 | 12 | 201 | 33 |
| Private households with employed persons | c35 | – | 0 | – | 0 | 0 |

continued on next page

Table A10.2 Domestic Industry *continued*

| Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|-----------------|------------------------|--|--|---|---|---|-------------------------------|--------------------------------------|---------|---------------|
| c32 | c33 | c34 | c35 | c36 | c37 | c38 | c39 | c40 | c41 | |
| Domestic | | | | | | | | | | |
| 24 | 15 | 5 | 0 | 11,478 | – | 0 | 427 | 471 | 8,901 | 63,721 |
| 1 | 2 | 15 | 0 | 806 | – | – | 0 | 119 | 11,087 | 20,458 |
| 27 | 41 | 9 | 0 | 20,099 | – | 10 | 2 | 300 | 31,432 | 79,745 |
| 10 | 35 | 50 | 0 | 1,477 | – | 0 | – | 36 | 20,710 | 35,639 |
| 1 | 1 | 4 | 0 | 862 | – | – | 0 | 140 | 15,160 | 20,946 |
| 2 | 2 | 13 | 0 | 257 | – | – | 0 | 31 | 1,491 | 7,272 |
| 69 | 88 | 324 | 1 | 296 | – | 1 | 4 | (6) | 591 | 7,864 |
| 84 | 54 | 110 | 3 | 1,161 | – | – | – | (170) | 557 | 19,009 |
| 32 | 2,870 | 95 | 0 | 797 | – | 0 | 0 | (107) | 1,834 | 17,649 |
| 13 | 54 | 31 | 1 | 322 | – | 0 | 0 | 56 | 5,424 | 14,316 |
| 5 | 9 | 35 | 0 | 440 | – | – | – | (189) | 3,580 | 10,600 |
| 22 | 33 | 43 | 1 | 226 | – | 0 | 0 | (309) | 5,414 | 27,433 |
| 26 | 110 | 26 | 0 | 1,295 | – | 0 | 1,459 | 206 | 1,049 | 7,297 |
| 48 | 120 | 107 | 0 | 2,176 | – | – | 783 | 286 | 21,571 | 39,423 |
| 1 | 2 | 6 | 0 | 4,665 | – | – | 5,539 | 430 | 1,972 | 17,281 |
| 174 | 584 | 77 | 2 | 3,656 | – | 0 | 761 | 111 | 7,131 | 16,038 |
| 84 | 181 | 130 | 1 | 2,659 | – | 8 | – | (2) | 52 | 11,271 |
| 159 | 179 | 44 | 0 | 3,460 | – | 3 | 33,343 | 165 | 35 | 42,665 |
| 10 | 13 | 13 | 0 | 1,841 | – | – | – | – | 41 | 2,615 |
| 47 | 380 | 90 | 1 | 4,442 | – | – | 529 | 0 | 10,818 | 35,089 |
| – | – | – | – | – | – | – | – | – | – | – |
| 78 | 45 | 54 | 1 | 6,696 | – | 0 | 0 | 0 | 7,338 | 15,986 |
| 35 | 77 | 26 | 0 | 2,885 | – | – | 99 | 0 | 2,026 | 8,549 |
| 4 | 30 | 7 | 0 | 413 | – | 0 | 41 | 0 | 972 | 2,972 |
| 20 | 17 | 11 | 0 | 1,054 | – | – | 6 | – | 1,241 | 3,168 |
| 2 | 1 | 5 | – | 70 | – | – | – | – | 1,925 | 4,852 |
| 42 | 29 | 29 | 1 | 3,704 | – | 448 | – | (0) | 475 | 6,834 |
| 46 | 35 | 60 | 1 | 4,330 | – | – | – | – | 1,015 | 14,769 |
| 254 | 16 | 83 | 0 | 4,567 | – | 0 | 38 | 0 | 13 | 7,930 |
| 170 | 86 | 139 | 0 | 2,840 | – | 567 | 4 | 0 | 808 | 10,719 |
| 8 | 5 | 2 | – | 233 | – | 7,507 | – | – | 4 | 7,828 |
| 175 | 21 | 6 | 0 | 9,076 | – | 2,321 | – | – | 602 | 12,518 |
| 11 | 139 | 4 | – | 10,779 | – | 2,138 | – | – | 948 | 14,105 |
| 23 | 50 | 472 | 0 | 4,514 | – | 537 | 0 | 0 | 285 | 6,526 |
| 0 | 0 | 1 | – | 234 | – | – | – | – | 0 | 261 |

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Table A10.2 Imports Industry *continued*

| Industry | | Agriculture, Hunting, Forestry, and Fishing | Mining and Quarrying | Food, Beverages, and Tobacco | Textiles and Textile Products | Leather, Leather Products, and Footwear | Wood and Products of Wood and Cork | Pulp, Paper, Paper Products, Printing, and Publishing |
|--|------------|--|-------------------------|---------------------------------------|--|---|---|---|
| | | c1 | c2 | c3 | c4 | c5 | c6 | c7 |
| Imports | | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 1,865 | 1 | 5,373 | 78 | 4 | 464 | 10 |
| Mining and quarrying | m2 | 6 | 345 | 29 | 9 | 4 | 0 | 8 |
| Food, beverages, and tobacco | m3 | 1,584 | 1 | 2,764 | 1 | 0 | 0 | 5 |
| Textiles and textile products | m4 | 140 | 11 | 15 | 5,807 | 890 | 10 | 53 |
| Leather, leather products, and footwear | m5 | 1 | 0 | 0 | 25 | 578 | 0 | 2 |
| Wood and products of wood and cork | m6 | 6 | 0 | 3 | 4 | 0 | 87 | 15 |
| Pulp, paper, paper products, printing, and publishing | m7 | 48 | 3 | 302 | 65 | 113 | 15 | 696 |
| Coke, refined petroleum, and nuclear fuel | m8 | 2,701 | 1,430 | 404 | 112 | 49 | 89 | 56 |
| Chemicals and chemical products | m9 | 3,949 | 266 | 609 | 1,684 | 686 | 160 | 438 |
| Rubber and plastics | m10 | 62 | 51 | 166 | 60 | 202 | 17 | 58 |
| Other nonmetallic minerals | m11 | 7 | 1 | 5 | 0 | 0 | 0 | 1 |
| Basic metals and fabricated metal | m12 | 352 | 1,018 | 534 | 103 | 341 | 100 | 72 |
| Machinery, nec | m13 | 278 | 1,688 | 108 | 81 | 51 | 20 | 30 |
| Electrical and optical equipment | m14 | 75 | 49 | 35 | 30 | 23 | 6 | 8 |
| Transport equipment | m15 | 2 | 2 | 0 | 0 | 2 | 0 | 0 |
| Manufacturing, nec; recycling | m16 | 104 | 15 | 147 | 89 | 29 | 10 | 12 |
| Electricity, gas, and water supply | m17 | 22 | 6 | 26 | 11 | 5 | 2 | 4 |
| Construction | m18 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 19 | 0 | 30 | 22 | 3 | 2 | 6 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | 27 | 6 | 11 | 6 | 3 | 2 | 3 |
| Inland transport | m23 | 5 | 1 | 11 | 2 | 2 | 1 | 1 |
| Water transport | m24 | 7 | 0 | 27 | 15 | 1 | 2 | 3 |
| Air transport | m25 | 18 | 31 | 29 | 9 | 7 | 3 | 3 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | 9 | 3 | 6 | 3 | 2 | 1 | 2 |
| Financial intermediation | m28 | 122 | 87 | 82 | 86 | 44 | 25 | 78 |
| Real estate activities | m29 | 5 | 0 | 2 | 1 | 1 | 0 | 1 |
| Renting of M&Eq and other business activities | m30 | 41 | 30 | 82 | 21 | 5 | 4 | 17 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | 0 | – | 0 | 0 |
| Education | m32 | 1 | 9 | 1 | 1 | 0 | 0 | 0 |
| Health and social work | m33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | 1 | 1 | 2 | 1 | 1 | 0 | 1 |
| Private households with employed persons | m35 | – | – | – | – | – | – | – |
| Total intermediate consumption | r60 | 38,506 | 10,840 | 68,092 | 24,951 | 13,442 | 6,355 | 6,136 |
| Taxes less subsidies on products | r99 | 902 | 464 | 1,065 | 574 | 261 | 91 | 146 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – | – |
| Value added at basic prices | r64 | 24,312 | 9,155 | 10,588 | 10,113 | 7,243 | 826 | 1,582 |
| International transport margins | | – | – | – | – | – | – | – |
| Output at basic prices | r69 | 63,721 | 20,458 | 79,745 | 35,639 | 20,946 | 7,272 | 7,864 |

continued on next page

Table A10.2 Imports Industry *continued*

| Coke, Refined Petroleum, and Nuclear Fuel | Chemicals and Chemical Products | Rubber and Plastics | Other Nonmetallic Minerals | Basic Metals and Fabricated Metal | Machinery, nec | Electrical and Optical Equipment | Transport Equipment | Manufacturing, nec; Recycling | Electricity, Gas, and Water Supply | Construction | Sale, Maintenance, and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel | Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles |
|---|---------------------------------|---------------------|----------------------------|-----------------------------------|----------------|----------------------------------|---------------------|-------------------------------|------------------------------------|---------------|--|--|
| c8 | c9 | c10 | c11 | c12 | c13 | c14 | c15 | c16 | c17 | c18 | c19 | c20 |
| Imports | | | | | | | | | | | | |
| 0 | 205 | 85 | 3 | 3 | 3 | 2 | 1 | 471 | 0 | 15 | 0 | 10 |
| 1,117 | 240 | 8 | 327 | 145 | 1 | 6 | 3 | 8 | 53 | 122 | 0 | 4 |
| 6 | 10 | 1 | 2 | 1 | 0 | 1 | 1 | 6 | 0 | 2 | 0 | 17 |
| 6 | 9 | 16 | 10 | 6 | 3 | 6 | 69 | 104 | 2 | 18 | 2 | 24 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 12 | 0 | 1 | 0 | 1 |
| 0 | 4 | 0 | 1 | 1 | 1 | 1 | 0 | 148 | 0 | 23 | 0 | 2 |
| 0 | 49 | 41 | 40 | 17 | 3 | 122 | 9 | 113 | 2 | 16 | 4 | 137 |
| 4,738 | 151 | 141 | 495 | 319 | 98 | 48 | 162 | 91 | 131 | 1,862 | 58 | 731 |
| 164 | 4,674 | 3,635 | 395 | 680 | 80 | 587 | 315 | 817 | 32 | 396 | 17 | 78 |
| 9 | 87 | 531 | 11 | 31 | 26 | 195 | 264 | 68 | 3 | 89 | 12 | 42 |
| 0 | 7 | 5 | 146 | 21 | 5 | 22 | 20 | 13 | 0 | 790 | 1 | 3 |
| 1 | 134 | 257 | 198 | 8,925 | 1,095 | 3,093 | 1,677 | 947 | 54 | 3,912 | 172 | 111 |
| 34 | 44 | 58 | 41 | 211 | 895 | 121 | 256 | 45 | 203 | 739 | 14 | 206 |
| 28 | 18 | 17 | 16 | 199 | 520 | 9,749 | 643 | 33 | 144 | 1,577 | 44 | 163 |
| 0 | 0 | 0 | 0 | 0 | 1 | 6 | 907 | 0 | 0 | 4 | 0 | 7 |
| 2 | 46 | 29 | 14 | 25 | 9 | 128 | 36 | 187 | 35 | 147 | 7 | 93 |
| 3 | 7 | 7 | 16 | 18 | 2 | 4 | 5 | 5 | 14 | 4 | 1 | 19 |
| 0 | 1 | 0 | 0 | 2 | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 3 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 3 |
| 17 | 28 | 13 | 11 | 10 | 2 | 28 | 7 | 4 | 1 | 16 | 0 | 13 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 5 | 3 | 3 | 8 | 3 | 6 | 5 | 4 | 3 | 25 | 3 | 42 |
| 1 | 1 | 1 | 1 | 2 | 1 | 4 | 2 | 2 | 0 | 4 | 0 | 2 |
| 3 | 6 | 3 | 8 | 5 | 1 | 9 | 3 | 2 | 1 | 8 | 0 | 19 |
| 2 | 7 | 5 | 3 | 8 | 3 | 12 | 8 | 6 | 1 | 22 | 1 | 37 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 0 | 4 | 1 | 1 | 3 | 1 | 3 | 4 | 1 | 1 | 9 | 1 | 27 |
| 31 | 89 | 40 | 32 | 83 | 35 | 36 | 195 | 39 | 10 | 227 | 33 | 455 |
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 3 | 3 | 33 |
| 1 | 54 | 11 | 9 | 32 | 10 | 29 | 52 | 7 | 3 | 120 | 11 | 156 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 2 | 0 | 8 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 3 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 4 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 16,567 | 13,626 | 11,359 | 7,021 | 21,271 | 5,377 | 31,340 | 14,083 | 12,414 | 2,938 | 29,416 | 1,219 | 11,685 |
| 456 | 287 | 229 | 221 | 319 | 129 | 878 | 582 | 212 | 78 | 673 | 65 | 753 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1,986 | 3,737 | 2,729 | 3,357 | 5,843 | 1,791 | 7,205 | 2,616 | 3,412 | 8,254 | 12,577 | 1,330 | 22,651 |
| - | - | - | - | - | - | - | - | - | - | - | - | - |
| 19,009 | 17,649 | 14,316 | 10,600 | 27,433 | 7,297 | 39,423 | 17,281 | 16,038 | 11,271 | 42,665 | 2,615 | 35,089 |

continued on next page

Table A10.2 Imports Industry *continued*

| Industry | | Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods | Hotels and Restaurants | Inland Transport | Water Transport | Air Transport | Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies |
|--|------------|---|------------------------|------------------|-----------------|---------------|--|
| | | c21 | c22 | c23 | c24 | c25 | c26 |
| Imports | | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | – | 174 | 0 | 0 | 0 | 0 |
| Mining and quarrying | m2 | – | 7 | 0 | 0 | 0 | 0 |
| Food, beverages, and tobacco | m3 | – | 286 | 1 | 0 | 0 | 1 |
| Textiles and textile products | m4 | – | 47 | 4 | 1 | 1 | 2 |
| Leather, leather products, and footwear | m5 | – | 0 | 0 | 0 | 0 | 0 |
| Wood and products of wood and cork | m6 | – | 0 | 0 | 0 | 0 | 0 |
| Pulp, paper, paper products, printing, and publishing | m7 | – | 38 | 4 | 1 | 0 | 3 |
| Coke, refined petroleum, and nuclear fuel | m8 | – | 1,523 | 2,251 | 803 | 828 | 203 |
| Chemicals and chemical products | m9 | – | 56 | 14 | 4 | 0 | 2 |
| Rubber and plastics | m10 | – | 5 | 78 | 6 | 0 | 3 |
| Other nonmetallic minerals | m11 | – | 2 | 1 | 0 | 0 | 1 |
| Basic metals and fabricated metal | m12 | – | 11 | 49 | 31 | 0 | 19 |
| Machinery, nec | m13 | – | 39 | 20 | 111 | 312 | 32 |
| Electrical and optical equipment | m14 | – | 23 | 77 | 15 | 2 | 13 |
| Transport equipment | m15 | – | 0 | 4 | 4 | 0 | 2 |
| Manufacturing, nec; recycling | m16 | – | 38 | 5 | 1 | 0 | 77 |
| Electricity, gas, and water supply | m17 | – | 8 | 0 | 0 | 0 | 2 |
| Construction | m18 | – | 1 | 0 | 0 | 0 | 0 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | – | 0 | 6 | 0 | 0 | 4 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | – | 3 | 1 | 2 | 1 | 0 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | – | 0 | 0 | 0 | 0 | 0 |
| Hotels and restaurants | m22 | – | 8 | 4 | 1 | 0 | 2 |
| Inland transport | m23 | – | 1 | 0 | 0 | 0 | 0 |
| Water transport | m24 | – | 1 | 0 | 8 | 1 | 0 |
| Air transport | m25 | – | 8 | 2 | 3 | 5 | 4 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | – | 0 | 0 | 0 | 0 | 0 |
| Post and telecommunications | m27 | – | 3 | 1 | 1 | 1 | 2 |
| Financial intermediation | m28 | – | 161 | 34 | 25 | 33 | 11 |
| Real estate activities | m29 | – | 11 | 1 | 0 | 0 | 1 |
| Renting of M&Eq and other business activities | m30 | – | 26 | 9 | 5 | 15 | 31 |
| Public administration and defense; compulsory social security | m31 | – | 0 | 0 | 0 | 0 | 0 |
| Education | m32 | – | 0 | 0 | 0 | 1 | 0 |
| Health and social work | m33 | – | 0 | 0 | 0 | 0 | 0 |
| Other community, social, and personal services | m34 | – | 2 | 0 | 0 | 0 | 0 |
| Private households with employed persons | m35 | – | – | – | – | – | – |
| Total intermediate consumption | r60 | – | 9,570 | 5,399 | 2,240 | 2,301 | 2,284 |
| Taxes less subsidies on products | r99 | – | 327 | 147 | 57 | 60 | 80 |
| Cif/fob adjustments on exports | r61 | – | – | – | – | – | – |
| Direct purchases abroad by residents | r62 | – | – | – | – | – | – |
| Purchases on the domestic territory by nonresidents | r63 | – | – | – | – | – | – |
| Value added at basic prices | r64 | – | 6,088 | 3,004 | 674 | 808 | 2,488 |
| International transport margins | – | – | – | – | – | – | – |
| Output at basic prices | r69 | – | 15,986 | 8,549 | 2,972 | 3,168 | 4,852 |

continued on next page

Table A10.2 Imports Industry *continued*

| Post and Telecommunications | Financial Intermediation | Real Estate Activities | Renting of M&Eq and Other Business Activities | Public Administration and Defense; Compulsory Social Security | Education | Health and Social Work | Other Community, Social, and Personal Services | Private Households with Employed Persons | Final Consumption Expenditure by Households | Final Consumption Expenditure by NPISHs |
|-----------------------------|--------------------------|------------------------|---|---|---------------|------------------------|--|--|---|---|
| c27 | c28 | c29 | c30 | c31 | c32 | c33 | c34 | c35 | c36 | c37 |
| Imports | | | | | | | | | | |
| 0 | 0 | 1 | 12 | 0 | 5 | 6 | 1 | 0 | 2,647 | - |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 0 | 272 | - |
| 3 | 1 | 1 | 5 | 1 | 3 | 3 | 1 | 0 | 3,200 | - |
| 3 | 3 | 3 | 6 | 5 | 5 | 9 | 26 | 0 | 858 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | - |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 13 | - |
| 13 | 17 | 6 | 101 | 26 | 18 | 12 | 86 | 0 | 76 | - |
| 111 | 94 | 37 | 100 | 114 | 84 | 30 | 129 | 4 | 1,450 | - |
| 8 | 10 | 26 | 86 | 18 | 44 | 2,205 | 153 | 1 | 1,171 | - |
| 1 | 2 | 1 | 9 | 4 | 3 | 7 | 7 | 0 | 75 | - |
| 10 | 1 | 18 | 5 | 1 | 1 | 1 | 5 | 0 | 61 | - |
| 75 | 19 | 48 | 70 | 22 | 16 | 12 | 31 | 1 | 176 | - |
| 20 | 29 | 28 | 74 | 41 | 34 | 80 | 37 | 0 | 2,297 | - |
| 729 | 19 | 19 | 112 | 28 | 31 | 40 | 71 | 0 | 1,823 | - |
| 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 578 | - |
| 7 | 25 | 12 | 74 | 34 | 64 | 124 | 30 | 1 | 1,314 | - |
| 3 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 0 | 53 | - |
| 0 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 12 | - |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 53 | - |
| 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 11 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - |
| 3 | 15 | 5 | 28 | 25 | 10 | 3 | 7 | 0 | 918 | - |
| 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 29 | - |
| 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | - |
| 2 | 8 | 5 | 21 | 10 | 5 | 3 | 3 | 0 | 304 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 | - |
| 61 | 6 | 3 | 17 | 4 | 3 | 1 | 3 | 0 | 234 | - |
| 9 | 1,016 | 41 | 40 | 15 | 14 | 6 | 23 | 0 | 1,438 | - |
| 1 | 10 | 10 | 6 | 1 | 8 | 0 | 4 | 0 | 140 | - |
| 157 | 50 | 36 | 214 | 30 | 29 | 8 | 30 | 0 | 541 | - |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | - |
| 4 | 3 | 2 | 5 | 5 | 25 | 2 | 1 | 0 | 1,306 | - |
| 0 | 1 | 0 | 0 | 1 | 1 | 6 | 0 | - | 602 | - |
| 1 | 1 | 1 | 13 | 2 | 1 | 2 | 32 | 0 | 286 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 4,431 | 5,817 | 2,024 | 4,532 | 1,779 | 2,115 | 7,890 | 2,817 | 21 | 135,889 | - |
| 265 | 317 | 180 | 247 | 65 | 121 | 71 | 158 | 1 | 5,706 | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 2,139 | 8,635 | 5,727 | 5,940 | 5,984 | 10,283 | 6,144 | 3,551 | 239 | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| 6,834 | 14,769 | 7,930 | 10,719 | 7,828 | 12,518 | 14,105 | 6,526 | 261 | 141,596 | - |

continued on next page

Table A10.2 Imports Industry *continued*

| Industry | | Final Consumption Expenditure by Government | Gross Fixed Capital Formation | Changes in Inventories and Valuables | Exports | Total Output |
|--|------------|---|-------------------------------|--------------------------------------|----------------|----------------|
| | | c38 | c39 | c40 | c41 | |
| Imports | | | | | | |
| Agriculture, hunting, forestry, and fishing | m1 | 0 | 110 | 536 | - | 12,086 |
| Mining and quarrying | m2 | 0 | - | 152 | - | 2,873 |
| Food, beverages, and tobacco | m3 | 2 | 0 | 280 | - | 8,190 |
| Textiles and textile products | m4 | 0 | 0 | 92 | - | 8,265 |
| Leather, leather products, and footwear | m5 | 0 | 0 | 87 | - | 847 |
| Wood and products of wood and cork | m6 | 0 | 0 | 11 | - | 325 |
| Pulp, paper, paper products, printing, and publishing | m7 | 0 | 0 | (15) | - | 2,182 |
| Coke, refined petroleum, and nuclear fuel | m8 | 0 | 0 | (1,246) | - | 20,380 |
| Chemicals and chemical products | m9 | 0 | 0 | (1,350) | - | 22,108 |
| Rubber and plastics | m10 | 0 | 0 | 76 | - | 2,265 |
| Other nonmetallic minerals | m11 | 0 | 0 | (142) | - | 1,012 |
| Basic metals and fabricated metal | m12 | 0 | 0 | (1,264) | - | 22,411 |
| Machinery, nec | m13 | 0 | 3,509 | 1,362 | - | 13,151 |
| Electrical and optical equipment | m14 | 35 | 944 | 1,132 | - | 18,489 |
| Transport equipment | m15 | 0 | 1,297 | 378 | - | 3,203 |
| Manufacturing, nec; recycling | m16 | 0 | 420 | 165 | - | 3,557 |
| Electricity, gas, and water supply | m17 | 0 | 0 | (0) | - | 267 |
| Construction | m18 | 0 | 3 | 0 | - | 43 |
| Sale, maintenance, and repair of motor vehicles and motorcycles; retail sale of fuel | m19 | 0 | 0 | 0 | - | 79 |
| Wholesale trade and commission trade, except of motor vehicles and motorcycles | m20 | 2 | 17 | 15 | - | 293 |
| Retail trade, except of motor vehicles and motorcycles; repair of household goods | m21 | 0 | 0 | 0 | - | 2 |
| Hotels and restaurants | m22 | 0 | 0 | 0 | - | 1,197 |
| Inland transport | m23 | 0 | 2 | 1 | - | 79 |
| Water transport | m24 | 1 | 1 | 184 | - | 327 |
| Air transport | m25 | 0 | 3 | 0 | - | 602 |
| Other supporting and auxiliary transport activities; activities of travel agencies | m26 | 0 | 0 | 0 | - | 9 |
| Post and telecommunications | m27 | 46 | 0 | 0 | - | 468 |
| Financial intermediation | m28 | 0 | 0 | 0 | - | 4,692 |
| Real estate activities | m29 | 0 | 0 | 0 | - | 251 |
| Renting of M&Eq and other business activities | m30 | 103 | 2 | 1 | - | 1,981 |
| Public administration and defense; compulsory social security | m31 | 0 | 0 | 0 | - | 0 |
| Education | m32 | 349 | 0 | 0 | - | 1,735 |
| Health and social work | m33 | 136 | 0 | 0 | - | 754 |
| Other community, social, and personal services | m34 | 31 | 1 | 0 | - | 396 |
| Private households with employed persons | m35 | - | - | - | - | - |
| Total intermediate consumption | r60 | 14,248 | 49,346 | 2,025 | 166,500 | 767,867 |
| Taxes less subsidies on products | r99 | 304 | 1,232 | 245 | - | 17,965 |
| Cif/fob adjustments on exports | r61 | - | - | - | - | - |
| Direct purchases abroad by residents | r62 | - | - | - | - | - |
| Purchases on the domestic territory by nonresidents | r63 | - | - | - | - | - |
| Value added at basic prices | r64 | - | - | - | - | 203,013 |
| International transport margins | | - | - | - | - | - |
| Output at basic prices | r69 | 14,552 | 50,578 | 2,270 | 166,500 | 988,844 |

\$ = United States dollar; () = negative; cif = cost, insurance, and freight; fob = free on board; M&Eq = machinery and equipment; nec = not elsewhere classified; NPISHs = nonprofit institutions serving households.

Source: Asian Development Bank Multi-Regional Input–Output Database.

Economic Indicators for Southeastern Asia and the Pacific

Input-Output Tables

This publication presents data visualization of economic statistics from Southeastern Asia and the Pacific relevant for the analysis of cross-border production arrangements at the local, regional, and global levels. Two companion publications focus on South and Central Asia, and Eastern Asia. The statistics were computed from the Asian Development Bank's multi-regional input-output database, which serves the increasing demand for structured, relevant, timely, and accurate data, especially with the onset of various economic research projects on global value chains. Supply and use tables and input-output tables in these publications address the emerging need for more systematic and comprehensive approaches in data management, economic analysis, and policy research for national economies around the world.

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