## Export and Import Price Index: Third Quarter (Jul - Sep), 2022

Release date: $22^{\text {nd }}$ December, 2022

## Export Price Index



Year-on-year inflation for export goods further slowed down in the third quarter of 2022 compared to the previous two quarters, with 7.29 percent increase from third quarter of 2021. Base metal and other manufactures recorded the highest increase with 11.18 percent contributing to about 68 percent of the overall increase. This was followed by mineral products, cement and electricity with 2.07 percent increase, contributing to about 18 percent of the overall increase and food and beverages with 11.37 percent increase, contributing to about 10 percent of the overall increase. Chemicals, plastics, textiles and apparel though recorded the highest increase with 37.59 percent contributed less than 5 percent of the overall increase due to lower share/weight. Price of wood, pulp and paper decreased by 7.19 percent on average over the past one year.

Quarter-on-quarter export price recorded a decrease in third quarter after prices increased in the second quarter, 2022. It went down by 1.13 percent mainly contributed by decrease in base metals and other manufactures by 5.87 percent. Wood, pulp and paper decreased by 3.20 percent and food and beverages decreased by 0.4 percent. However, prices of chemicals, plastics, textiles and apparel; and mineral products, cement and electricity increased in third quarter by 6.48 percent and 0.66 percent respectively.

## Import Price Index



The year-on-year inflation rate for imported goods recorded an increase of 18.54 percent in the third quarter of 2022. All groups within the import category recorded an increase with mineral products, cement and electricity recording the highest increase among the groups with 31.05 percent. It contributed to about 34 percent of the overall increase. Chemicals, plastics, textiles and apparel increased by 39.72 percent followed by wood, pulp and paper with 20.9 percent increase accounting for about 27 percent and 5 percent of the overall increase respectively. Food and beverages group recorded an increase of 4.39 percent contributing around 6 percent to the overall inflation, and metal and metal articles recorded the least increase of 10.3 percent accounting to 4 percent of the overall inflation.

The quarter-on-quarter (current quarter compared to previous quarter) import increased by 0.62 percent which was a decline in the rate by 5.92 percentage point. The main contributor to the decline, in comparison to the previous quarter, was metal and metal articles which recorded a decrease of 6.82 percent. Mineral products, cement and electricity also recorded a decline of 4.27 percent. The other two are chemicals, plastics, textiles and apparel; and machinery, appliances and other manufactures which increased by 5.14 percent and 3.34 percent respectively. Price of wood, pulp and paper; and transport equipment increased in third quarter following a decrease in the second quarter.

## Terms of Trade




Due to the higher increase of prices for imported goods vis-a-vis export goods, the terms of trade further dropped to 87.25 in the third quarter from 88.69 in second quarter recording a decline by 1.63 percent over the second quarter of 2022. Compared to the third quarter of the previous year, the terms of trade dropped by 9.49 percent.

Increase in terms of trade means more quantity of imports that can be funded by a fixed quantity of exports while decrease in terms of trade means smaller quantity of imports that can be funded by a fixed quantity of exports.

## Export Price Index $($ Dec 2014 quarter $=100)$

Chart 1: Year-on-year percent change


Chart 2: Quarter-on-quarter percent change


Chart 3: Annual average percent change


## Import Price Index $($ Dec 2014 quarter = 100)

Chart 4: Year-on-year percent change


## Chart 5: Quarter-on-quarter percent change



Chart 6: Average annual percent change


Table 1: Export Price Index (Dec 2014 quarter = 100)

| Quarter | All items | Food and beverages | Mineral products, cement and electricity | Chemicals, plastics, textiles and apparel | Wood, pulp and paper | Base metals and other manufactures | All items less electricity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep-17 | 96.64 | 87.43 | 107.17 | 88.05 | 117.18 | 86.87 | 91.80 |
| Dec-17 | 99.29 | 87.55 | 107.21 | 84.00 | 114.25 | 96.22 | 95.75 |
| Mar-18 | 103.92 | 89.23 | 107.73 | 86.00 | 112.41 | 108.96 | 102.10 |
| Jun-18 | 105.85 | 91.16 | 108.56 | 91.64 | 105.82 | 111.73 | 104.24 |
| Sep-18 | 103.85 | 90.96 | 108.38 | 92.68 | 107.07 | 105.47 | 101.38 |
| Dec-18 | 103.74 | 88.13 | 109.04 | 92.93 | 96.56 | 105.31 | 101.22 |
| Mar-19 | 100.85 | 90.81 | 110.66 | 91.12 | 93.90 | 95.02 | 97.38 |
| Jun-19 | 98.53 | 88.63 | 111.55 | 87.92 | 84.42 | 89.01 | 94.23 |
| Sep-19 | 96.31 | 87.31 | 111.48 | 86.72 | 93.17 | 83.32 | 91.29 |
| Dec-19 | 94.57 | 88.00 | 111.21 | 89.49 | 62.65 | 79.39 | 88.98 |
| Mar-20 | 99.87 | 87.40 | 112.14 | 93.96 | 64.95 | 95.14 | 96.66 |
| Jun-20 | 101.96 | 88.12 | 112.51 | 100.13 | 63.12 | 100.68 | 99.63 |
| Sep-20 | 101.59 | 91.63 | 115.28 | 76.37 | 63.88 | 95.85 | 99.09 |
| Dec-20 | 104.42 | 92.61 | 117.32 | 77.19 | 62.29 | 101.35 | 103.19 |
| Mar-21 | 108.81 | 90.46 | 118.63 | 85.65 | 64.85 | 117.88 | 113.15 |
| Jun-21 | 112.33 | 82.99 | 119.28 | 93.87 | 68.98 | 134.23 | 121.04 |
| Sep-21 | 117.75 | 90.00 | 119.17 | 98.93 | 64.83 | 156.98 | 133.38 |
| Dec-21 | 132.89 | 89.74 | 119.37 | 109.58 | 67.30 | 226.14 | 167.84 |
| Mar-22 | 126.32 | 88.26 | 120.06 | 121.18 | 64.46 | 188.44 | 153.44 |
| Jun-22 | 127.64 | 99.43 | 120.83 | 127.83 | 62.16 | 185.42 | 156.21 |
| Sep-22 | 126.33 | 100.23 | 121.63 | 136.12 | 60.17 | 174.53 | 153.36 |

Table 2: Year-on-year percent change

|  | All | Food and <br> beverages | Mineral <br> products, <br> electricity | Chemicals, <br> plastics, textiles <br> and apparel | Wood, <br> pulp and <br> paper | Base metals and <br> other <br> manufactures | All items <br> less <br> electricity |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep-18 | 7.46 | 4.03 | 1.14 | 5.27 | -8.63 | 21.41 | 10.44 |
| Dec-18 | 4.49 | 0.67 | 1.71 | 10.63 | -15.48 | 9.45 | 5.72 |
| Mar-19 | -2.95 | 1.78 | 2.72 | 5.95 | -16.46 | -12.79 | -4.63 |
| Jun-19 | -6.92 | -2.77 | 2.75 | -4.07 | -20.22 | -20.34 | -9.60 |
| Sep-19 | -7.26 | -4.01 | 2.86 | -6.43 | -12.98 | -21.00 | -9.95 |
| Dec-19 | -8.84 | -0.15 | 1.99 | -3.70 | -35.12 | -24.61 | -12.09 |
| Mar-20 | -0.98 | -3.76 | 1.33 | 3.12 | -30.83 | 0.13 | -0.74 |
| Jun-20 | 3.49 | -0.58 | 0.86 | 13.89 | -25.23 | 13.11 | 5.74 |
| Sep-20 | 5.48 | 4.95 | 3.41 | -11.94 | -31.44 | 15.04 | 8.54 |
| Dec-20 | 10.42 | 5.24 | 5.49 | -13.75 | -0.57 | 27.66 | 15.97 |
| Mar-21 | 8.95 | 3.50 | 5.79 | -8.85 | -0.15 | 23.90 | 17.07 |
| Jun-21 | 10.16 | -5.82 | 6.02 | -6.25 | 9.27 | 33.32 | 21.48 |
| Sep-21 | 15.91 | -1.78 | 3.38 | 29.54 | 1.49 | 63.78 | 34.61 |
| Dec-21 | 27.26 | -3.10 | 1.75 | 41.96 | 8.03 | 123.13 | 62.64 |
| Mar-22 | 16.10 | -2.43 | 1.21 | 41.48 | -0.61 | 59.85 | 35.60 |
| Jun-22 | 13.63 | 19.81 | 1.30 | 36.18 | -9.88 | 38.14 | 29.06 |
| Sep-22 | 7.29 | 11.37 | 2.07 | 37.59 | -7.19 | 11.18 | 14.98 |

Table 3: Quarter-on-quarter percent change

|  | All | Food and <br> beverages | Mineral <br> products, <br> cement and <br> electricity | Chemicals, <br> plastics, textiles <br> and apparel | Wood, <br> pulp and <br> paper | Base metals and <br> other <br> manufactures | All items <br> less <br> electricity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec-17 | 2.74 | 0.13 | 0.04 | -4.60 | -2.51 | 10.77 | 4.30 |
| Mar-18 | 4.67 | 1.92 | 0.49 | 2.39 | -1.61 | 13.25 | 6.64 |
| Jun-18 | 1.85 | 2.17 | 0.77 | 6.56 | -5.86 | 2.54 | 2.09 |
| Sep-18 | -1.89 | -0.22 | -0.16 | 1.14 | 1.19 | -5.61 | -2.74 |
| Dec-18 | -0.10 | -3.11 | 0.61 | 0.26 | -9.82 | -0.15 | -0.15 |
| Mar-19 | -2.79 | 3.04 | 1.48 | -1.94 | -2.76 | -9.77 | -3.80 |
| Jun-19 | -2.31 | -2.40 | 0.80 | -3.52 | -10.09 | -6.33 | -3.23 |
| Sep-19 | -2.25 | -1.49 | -0.06 | -1.36 | 10.36 | -6.39 | -3.11 |
| Dec-19 | -1.81 | 0.79 | -0.24 | 3.19 | -32.76 | -4.72 | -2.53 |
| Mar-20 | 5.60 | -0.68 | 0.83 | 5.00 | 3.67 | 19.84 | 8.63 |
| Jun-20 | 2.10 | 0.82 | 0.33 | 6.56 | -2.81 | 5.82 | 3.08 |
| Sep-20 | -0.37 | 3.99 | 2.46 | -23.73 | 1.19 | -4.79 | -0.55 |
| Dec-20 | 2.79 | 1.07 | 1.77 | 1.07 | -2.48 | 5.73 | 4.14 |
| Mar-21 | 4.20 | -2.32 | 1.12 | 10.97 | 4.11 | 16.32 | 9.65 |
| Jun-21 | 3.24 | -8.26 | 0.55 | 9.59 | 6.36 | 13.86 | 6.97 |
| Sep-21 | 4.83 | 8.45 | -0.09 | 5.39 | -6.01 | 16.95 | 10.20 |
| Dec-21 | 12.85 | -0.29 | 0.17 | 10.76 | 3.81 | 44.05 | 25.83 |
| Mar-22 | -4.94 | -1.65 | 0.58 | 10.59 | -4.22 | -16.67 | -8.58 |
| Jun-22 | 1.04 | 12.66 | 0.64 | 5.49 | -3.57 | -1.60 | 1.81 |
| Sep-22 | -1.13 | -0.40 | 0.66 | 6.48 | -3.20 | -5.87 | -2.02 |

Table 4: Average annual index $(2015=100)$ and percent change

| Year | All <br> items | Food and <br> beverages | Mineral <br> products, <br> cement and <br> electricity | Chemicals, <br> plastics, textiles <br> and apparel | Wood, pulp <br> and paper | Base metals <br> and other <br> manufactures | All items <br> less <br> electricity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2015 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 2016 | 97.77 | 99.35 | 102.13 | 95.02 | 107.50 | 89.03 | 95.73 |
| 2017 | 102.53 | 86.68 | 107.93 | 90.90 | 104.29 | 102.49 | 99.66 |
| 2018 | 109.85 | 85.15 | 108.93 | 92.45 | 104.28 | 126.08 | 109.72 |
| 2019 | 102.33 | 84.00 | 111.76 | 91.19 | 81.60 | 100.37 | 99.92 |
| 2020 | 107.45 | 85.63 | 115.21 | 87.68 | 62.70 | 114.21 | 106.86 |
| 2021 | 124.51 | 83.84 | 119.67 | 98.95 | 65.47 | 181.33 | 141.96 |
|  |  |  |  | Percent change |  |  |  |
| 2016 | -2.23 | -0.65 | 2.13 | -4.98 | 7.50 | -10.97 | -4.27 |
| 2017 | 4.87 | -12.75 | 5.68 | -4.33 | -2.98 | 15.12 | 4.11 |
| 2018 | 7.15 | -1.76 | 0.92 | 1.70 | -0.01 | 23.02 | 10.09 |
| 2019 | -6.85 | -1.36 | 2.60 | -1.36 | -21.75 | -20.40 | -8.93 |
| 2020 | 4.99 | 1.94 | 3.09 | -3.85 | -23.15 | 13.80 | 6.95 |
| 2021 | 15.88 | -2.09 | 3.87 | 12.85 | 4.41 | 58.76 | 32.85 |

Table 5: Import Price Index (Dec 2014 quarter = 100)

| Quarter | All <br> items | Food and beverages | Mineral products, cement and electricity | Chemicals, plastics, textiles and apparel | Wood, pulp and paper | Metals and metal articles | Machinery, appliances and other manufactures | Transport equipment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep-17 | 95.46 | 112.51 | 95.76 | 96.05 | 90.74 | 82.18 | 101.07 | 99.15 |
| Dec-17 | 95.32 | 112.15 | 94.78 | 94.12 | 91.65 | 82.49 | 101.33 | 100.79 |
| Mar-18 | 99.90 | 112.53 | 100.82 | 97.20 | 104.85 | 96.98 | 101.06 | 105.72 |
| Jun-18 | 103.20 | 111.58 | 106.07 | 100.05 | 112.32 | 99.03 | 105.35 | 109.10 |
| Sep-18 | 106.32 | 111.89 | 111.37 | 103.99 | 105.88 | 102.27 | 110.26 | 109.19 |
| Dec-18 | 108.30 | 113.20 | 111.54 | 110.18 | 108.07 | 102.80 | 112.29 | 115.58 |
| Mar-19 | 104.31 | 114.04 | 102.62 | 104.01 | 107.00 | 105.14 | 108.97 | 107.83 |
| Jun-19 | 104.30 | 114.69 | 106.68 | 102.68 | 103.88 | 98.47 | 107.31 | 111.01 |
| Sep-19 | 103.30 | 115.68 | 107.13 | 102.61 | 103.05 | 90.28 | 107.87 | 106.73 |
| Dec-19 | 104.00 | 119.13 | 108.05 | 103.37 | 108.96 | 80.87 | 108.58 | 112.83 |
| Mar-20 | 106.40 | 121.99 | 104.12 | 102.29 | 125.36 | 90.39 | 111.35 | 115.56 |
| Jun-20 | 103.31 | 123.90 | 86.47 | 101.04 | 126.58 | 87.83 | 117.45 | 119.29 |
| Sep-20 | 105.31 | 123.27 | 100.69 | 100.78 | 121.54 | 88.52 | 113.99 | 112.26 |
| Dec-20 | 108.44 | 131.65 | 99.54 | 102.48 | 109.28 | 99.89 | 113.04 | 121.63 |
| Mar-21 | 113.30 | 135.30 | 111.06 | 106.70 | 126.12 | 110.69 | 111.88 | 118.56 |
| Jun-21 | 117.91 | 145.32 | 117.37 | 111.15 | 118.79 | 120.81 | 113.25 | 119.31 |
| Sep-21 | 122.15 | 146.19 | 127.19 | 116.25 | 120.51 | 129.93 | 116.27 | 117.08 |
| Dec-21 | 128.01 | 145.77 | 134.62 | 132.05 | 130.58 | 141.01 | 117.97 | 120.91 |
| Mar-22 | 135.08 | 150.31 | 144.02 | 139.76 | 146.23 | 151.84 | 119.79 | 141.52 |
| Jun-22 | 143.91 | 152.33 | 174.12 | 154.49 | 143.38 | 153.81 | 123.77 | 138.27 |
| Sep-22 | 144.80 | 152.60 | 166.69 | 162.43 | 145.70 | 143.32 | 127.90 | 145.45 |

Table 6: Year-on-year percent change

|  |  |  | Mineral <br> products, <br> cement and <br> electricity | Chemicals, <br> plastics, <br> textiles and <br> apparel | Wood, <br> pulp <br> and <br> paper | Metals <br> and <br> metal <br> articles | Food and <br> appliances and <br> other <br> manufactures | Mransport <br> equipment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Severages | items | 11.38 | -0.55 | 16.30 | 8.26 | 16.68 | 24.45 | 9.10 |
| Dec-18 | 13.61 | 0.94 | 17.68 | 17.06 | 17.91 | 24.62 | 10.81 | 10.12 |
| Mar-19 | 4.42 | 1.34 | 1.79 | 7.00 | 2.05 | 8.41 | 7.83 | 14.68 |
| Jun-19 | 1.07 | 2.79 | 0.57 | 2.63 | -7.52 | -0.57 | 1.86 | 1.99 |
| Sep-19 | -2.85 | 3.38 | -3.81 | -1.32 | -2.67 | -11.73 | -2.17 | 1.76 |
| Dec-19 | -3.97 | 5.24 | -3.13 | -6.18 | 0.83 | -21.33 | -3.30 | -2.25 |
| Mar-20 | 2.00 | 6.98 | 1.45 | -1.65 | 17.16 | -14.03 | 2.18 | -2.38 |
| Jun-20 | -0.96 | 8.03 | -18.94 | -1.60 | 21.86 | -10.80 | 9.45 | 7.16 |
| Sep-20 | 1.95 | 6.56 | -6.01 | -1.79 | 17.94 | -1.95 | 5.68 | 7.46 |
| Dec-20 | 4.27 | 10.51 | -7.88 | -0.87 | 0.29 | 23.52 | 4.11 | 5.19 |
| Mar-21 | 6.48 | 10.91 | 6.67 | 4.31 | 0.61 | 22.46 | 0.48 | 7.80 |
| Jun-21 | 14.13 | 17.29 | 35.73 | 10.01 | -6.16 | 37.54 | -3.58 | 2.60 |
| Sep-21 | 15.99 | 18.59 | 26.32 | 15.36 | -0.85 | 46.78 | 2.00 | 0.01 |
| Dec-21 | 18.05 | 10.73 | 35.25 | 28.86 | 19.50 | 41.16 | 4.36 | 4.29 |
| Mar-22 | 19.22 | 11.09 | 29.68 | 30.98 | 15.95 | 37.18 | 7.07 | -0.59 |
| Jun-22 | 22.06 | 4.82 | 48.34 | 39.00 | 20.70 | 27.32 | 9.29 | 19.37 |
| Sep-22 | 18.54 | 4.39 | 31.05 | 39.72 | 20.90 | 10.30 | 10.00 | 15.89 |

Table 7: Quarter-on-quarter percent change

|  | All | Food and <br> beverages | Mineral <br> cement <br> and <br> electricity | Chemicals, <br> plastics, <br> (extiles and <br> apparel | Wood, <br> pulp <br> and <br> paper | Metals <br> and <br> metal <br> articles | Machinery, <br> appliances and <br> other <br> manufactures | Transport <br> equipment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec-17 | -0.14 | -0.33 | -1.02 | -2.01 | 1.00 | 0.38 | 0.26 | 1.65 |
| Mar-18 | 4.80 | 0.34 | 6.37 | 3.27 | 14.40 | 17.56 | -0.26 | 4.90 |
| Jun-18 | 3.30 | -0.84 | 5.21 | 2.93 | 7.13 | 2.11 | 4.24 | 3.19 |
| Sep-18 | 3.02 | 0.28 | 5.00 | 3.94 | -5.73 | 3.27 | 4.67 | 0.08 |
| Dec-18 | 1.86 | 1.17 | 0.15 | 5.95 | 2.07 | 0.52 | 1.84 | -2.95 |
| Mar-19 | -3.68 | 0.74 | -7.99 | -5.60 | -0.99 | 2.27 | -1.53 | -6.71 |
| Jun-19 | -0.01 | 0.57 | 3.96 | -1.28 | -2.92 | -6.35 | 2.95 |  |
| Sep-19 | -0.96 | 0.86 | 0.42 | -0.06 | -0.80 | -8.32 | 0.52 | -3.86 |
| Dec-19 | 0.68 | 2.99 | 0.85 | 0.74 | 5.74 | -10.42 | 0.66 | 5.72 |
| Mar-20 | 2.31 | 2.40 | -3.64 | -1.05 | 15.05 | 11.77 | 2.55 | 2.42 |
| Jun-20 | -2.91 | 1.57 | -16.95 | -1.22 | 0.98 | -2.83 | 5.48 | 3.23 |
| Sep-20 | 1.94 | -0.51 | 16.44 | -0.26 | -3.98 | 0.78 | -2.94 | -5.89 |
| Dec-20 | 2.97 | 6.80 | -1.15 | 1.69 | -10.09 | 12.85 | -0.83 | 8.34 |
| Mar-21 | 4.48 | 2.77 | 11.58 | 4.12 | 15.41 | 10.81 | -1.03 | -2.52 |
| Jun-21 | 4.06 | 7.40 | 5.68 | 4.17 | -5.81 | 9.14 | 1.22 | 0.64 |
| Sep-21 | 3.60 | 0.60 | 8.36 | 4.59 | 1.45 | 7.55 | 2.67 | -1.87 |
| Dec-21 | 4.79 | -0.28 | 5.84 | 13.59 | 8.36 | 8.53 | 1.46 | 3.27 |
| Mar-22 | 5.53 | 3.11 | 6.98 | 5.83 | 11.98 | 7.68 | 1.54 | 17.05 |
| Jun-22 | 6.54 | 1.34 | 20.90 | 10.55 | -1.95 | 1.30 | 3.32 | -2.29 |
| Sep-22 | 0.62 | 0.18 | -4.27 | 5.14 | 1.62 | -6.82 | 3.34 | 5.19 |

Table 8: Average Annual index (2015=100) and percent change

|  | All | Food and <br> beverages | Mineral <br> products, <br> cement <br> and <br> electricity | Chemicals, <br> plastics, <br> textiles <br> and <br> apparel | Wood, <br> pulp <br> and <br> paper | Metals <br> and <br> metal <br> articles | Machinery, <br> appliances <br> and other <br> manufactures | Transport <br> equipment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2015 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 2016 | 97.65 | 107.77 | 97.75 | 97.84 | 94.30 | 80.47 | 101.52 | 104.69 |
| 2017 | 100.02 | 110.18 | 105.17 | 97.37 | 93.87 | 94.78 | 98.36 | 98.70 |
| 2018 | 107.84 | 110.49 | 115.01 | 104.66 | 106.55 | 116.11 | 103.16 | 103.31 |
| 2019 | 107.52 | 114.04 | 113.79 | 104.92 | 104.67 | 107.16 | 104.63 | 103.42 |
| 2020 | 109.50 | 123.44 | 105.29 | 103.50 | 118.51 | 105.88 | 110.24 | 110.89 |
| 2021 | 124.89 | 140.83 | 132.16 | 118.23 | 123.36 | 146.98 | 111.45 | 112.09 |
|  |  |  |  | Percent change |  |  |  |  |
| 2016 | -2.35 | 7.77 | -2.25 | -2.16 | -5.70 | -19.53 | 1.52 | 4.69 |
| 2017 | 2.43 | 2.24 | 7.60 | -0.48 | -0.45 | 17.79 | -3.11 | -5.72 |
| 2018 | 7.82 | 0.28 | 9.36 | 7.48 | 13.51 | 22.51 | 4.87 | 4.67 |
| 2019 | -0.30 | 3.21 | -1.07 | 0.25 | -1.77 | -7.71 | 1.43 | 0.10 |
| 2020 | 1.85 | 8.25 | -7.47 | -1.36 | 13.23 | -1.20 | 5.36 | 7.23 |
| 2021 | 14.05 | 14.08 | 25.52 | 14.23 | 4.10 | 38.82 | 1.10 | 1.08 |

Table 9: Export weights (\%)

| Section | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| All items | 100 | 100 | 100 | 100 | 100 | 100 | 100.00 | 100.00 |
| Food and beverages | 10.55 | 9.56 | 11.45 | 10.29 | 8.99 | 8.93 | 6.79 | 7.83 |
| Mineral products, cement and electricity | 46.19 | 50.39 | 53.45 | 51.33 | 47.84 | 62.44 | 70.64 | 59.19 |
| Chemicals, plastics, textiles and apparel | 7.45 | 9.49 | 7.64 | 7.03 | 4.65 | 2.98 | 1.53 | 1.10 |
| Wood, pulp and paper | 1.07 | 1.01 | 0.93 | 0.68 | 1.20 | 0.58 | 0.27 | 0.34 |
| Base metals and other manufactures | 34.75 | 29.56 | 26.53 | 30.66 | 37.33 | 25.07 | 20.77 | 31.55 |
| All items less electricity | 69.99 | 65.86 | 63.80 | 67.32 | 73.61 | 64.86 | 43.41 | 57.82 |

Table 10: Import weights (\%)

| Section | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 1}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| All items | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Food and beverages | 17.44 | 15.04 | 15.84 | 16.41 | 15.12 | 16.90 | 19.51 | 19.71 |
| Mineral products, cement and electricity | 26.72 | 20.84 | 21.25 | 23.57 | 26.45 | 25.36 | 19.49 | 19.58 |
| Chemicals, plastics, textiles and apparel | 10.88 | 9.64 | 9.23 | 9.63 | 10.28 | 11.52 | 11.13 | 13.31 |
| Wood, pulp and paper | 4.41 | 3.90 | 3.11 | 3.80 | 4.88 | 4.67 | 4.66 | 4.76 |
| Metals and metal articles | 17.46 | 15.33 | 10.76 | 11.77 | 11.09 | 13.04 | 9.96 | 7.42 |
| Machinery, appliances and other manufactures | 19.51 | 22.11 | 28.95 | 26.91 | 22.67 | 19.34 | 21.56 | 28.20 |
| Transport equipment | 3.58 | 13.14 | 10.85 | 7.90 | 9.50 | 9.16 | 13.68 | 7.02 |

## Technical note

Export and Import Price Index (XMPI) is a measure of average price change over the period for goods and services that are exported and imported. The export and import price index for Bhutan includes only the goods and excludes the services component.

The data for compilation of export and import price index are sourced from the Trade Statistics published by the Department of Revenue and Customs (DRC), Ministry of Finance. Prices for both export and import are based on FOB (Free-on-Board) values. Price for computation of index is based on unit value derived from the trade statistics. For electricity, data is sourced from the Druk Green Power Corporation.

US Import Price Index is used as proxy for import of machinery and equipment as the unit value based on trade statistics is not sufficiently reliable. The US import price index is adjusted for changes in exchange rate between the Ngultrum and the US dollar.

Items selection - Export and import baskets are updated annually using the annual trade statistics data. Selection of items for the basket are based on factors such as FOB values; quarterly unit values; coefficient of variation (CV); and count of number of quarters that unit values are present during the latest nine quarters.

For 2022 basket items, there are 43 items in the Export basket ( 36 items exported to India and 7 items exported to countries other than India) and 131 items in the Import basket ( 118 items imported from India and 13 items imported from countries other than India).

Terms of Trade - Terms of trade indexes measure the relative price of exports in terms of import prices. It is calculated as the ratio of export prices to import prices and expressed in terms of 100. The terms of trade track the purchasing power of exports. It measures the changing quantity of imports that can be funded by a fixed quantity of exports. An increase in the terms of trade means that a larger quantity of imports can be funded by a fixed quantity of exports, while a decrease in the terms of trade means that a smaller quantity of imports can be funded by a fixed quantity of exports.

Frequency, timeline and revision - XMPI will be published on quarterly basis with a time lag of one quarter after the reference quarter. DRC provides provisional data for the first three quarters of the year and the finalized data for the year when providing the fourth quarter data. Hence, the index for the past three quarters may get revised when the final annual data is received.

Classification - Goods are classified using the Bhutan Trade Classification which is based on the International Harmonized System Classification

Weights - represents the relative importance of specific item to the overall exports or imports and determines the impact each item will have on the overall price change. Weights are updated annually along with annual basket selection.

Formula - Arithmetic Young upper-level formula is used to calculate the XMPI

