

# **National Bureau of Statistics**

BUNEAU OF JANUAR STATISTICS FOR DEVELOPMENT

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### PRODUCER PRICE INDICES FOR THE QUARTER ENDING SEPTEMBER, 2021

#### Introduction

The National Bureau of Statistics hereby releases the Producer Price Index (PPI) for the third quarter July-September of 2021. The Producer Price Index measures the average change over time in the prices received by selected domestic producers for the production of their goods. A basket includes a list of selected commodities of goods that are being priced on quarterly basis. The producer prices collected as at 15<sup>th</sup> of the mid-month of every quarter that is; (Q1: January-March), (Q2: April-June), (Q3: July-September) and (Q4: October-December).

## Weights and a Reference Period

The index weights are based on gross output derived from the 2015 Annual Survey of Industrial Production (ASIP 2015). The Producer Price Index on this release reports the indices with reference to Fourth Quarter (October-December) of the year 2018(2018Q4=100). It shows the producer price changes since December 2018 up to third quarter of 2021.

#### Classification

Industrial Classification follows the International Standard Industrial Classification of All Economic Activities (ISIC) Rev.4.

## Methodology

In the process of deriving the structure and weights, a top-down approach was adopted in order to maximize the indirect representation of industries and items. The basket was selected and base weights were calculated from Gross Output (GO) based on The Annual Survey of Industrial Production of 2015. During the process weights calculation, establishments with a contribution of at least 80% of Gross Output were selected in each ISIC Rev.4 Group. A sample

of establishments for inclusion in the price survey was then selected using cut-off sampling procedures.

The first level of aggregation is the class 4-digit ISIC; these indices are the un-weighted Elementary Aggregates (EA) and are being compiled using the Jevons geometric mean aggregation formula which refers to the Geometric Mean of the price relatives. The Elementary Aggregates indices are then being progressively combined with higher levels within the index structure (i.e. Group 3-digit, 2-digit division and 1-digit Section levels of the ISIC, and then the all-groups levels) using the standard base-weighted Laspeyres formula.

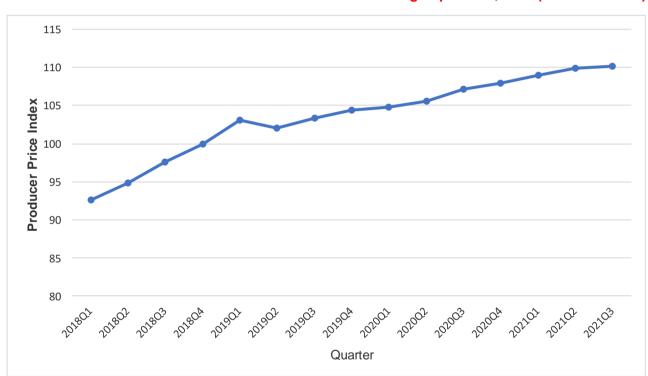


Chart 1: Overall Producer Price Indices for the Quarter Ending September, 2021 (Dec 2018 = 100)

**Table 1: Producer Price Indices by Sub-sectors and Major Groups** 

Rev.4   Industrial Activity   Sept   2020   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022   2021   2022	ISIC	Industrial Activity		Index (Dec 2018=100)			Percentage Change	
B   Mining and Quarrying   19.1   127.2   127.2   0.0   0   0   0   0   0   0   0   0				Sept	June	Sept	vs	2021Q3 vs 2020Q3
B   Mining and Quarrying   19.1   127.2   127.2   127.2   0.0   10	07	Mining of metal ores	15.7	128.6	128.5	128.5	0.0	0.0
10   Manufacture of food products   19.4   103.3   112.8   114.6   1.6   1	08	Other mining and quarrying	3.4	121.1	121.2	121.2	0.0	0.1
11	В	Mining and Quarrying	19.1	127.2	127.2	127.2	0.0	0.0
12   Manufacture of tobacco products   3.3   127.7   127.7   127.2   -0.4   -13   Manufacture of textiles   3.2   99.9   100.6   100.9   0.4   14   Manufacture of wearing apparel   0.1   100.2   100.2   100.2   0.0   0.6   100.9   0.4   15   Manufacture of wearing apparel   0.1   100.2   100.2   100.2   0.0   0.6   16   Manufacture of leather and related products   0.3   104.9   96.9   98.0   1.1   -14   Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plating materials   1.3   119.0   119.2   119.3   0.1   0	10	Manufacture of food products	19.4	103.3	112.8	114.6	1.6	10.9
13       Manufacture of textiles       3.2       99.9       100.6       100.9       0.4         14       Manufacture of wearing apparel       0.1       100.2       100.2       100.2       0.0       0.0         15       Manufacture of leather and related products       0.3       104.9       96.9       98.0       1.1       -         16       percept furniture; manufacture of articles of straw and plating materials       1.3       119.0       119.2       119.3       0.1       0.1         17       Manufacture of paper and paper products       2.3       100.6       99.2       99.1       0.0       -         18       Printing and reproduction of recorded media       1.2       97.9       96.6       97.9       1.3       -         19       Manufacture of coke and refined petroleum products       0.3       98.0       90.4       94.6       4.7       -         20       Manufacture of chemicals and chemical products       3       99.1       105.2       106.6       1.3         21       Manufacture of paternaceuticals, medicinal chemical and botanical products       0.4       107.0       104.8       104.8       0.0       -         22       Manufacture of turber and plastics products       2.7       89.	11	Manufacture of beverages	12	102.0	102.1	100.2	-1.9	-1.7
14         Manufacture of wearing apparel         0.1         100.2         100.2         100.2         0.0         0.0           15         Manufacture of leather and related products         0.3         104.9         96.9         98.0         1.1         -           16         Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaining materials         1.3         119.0         119.2         119.3         0.1         0.1           17         Manufacture of paper and paper products         2.3         100.6         99.2         99.1         0.0         -           18         Printing and reproduction of recorded media         1.2         97.9         96.6         97.9         1.3         -           20         Manufacture of coke and refined petroleum products         0.3         98.0         90.4         94.6         4.7         -           20         Manufacture of chemicals and chemical products         3         99.1         105.2         106.6         1.3         1           21         Manufacture of rubber and plastics products         2.7         89.4         94.1         100.1         6.3         1           22         Manufacture of rubber and plastics products         5.7         94.3	12	Manufacture of tobacco products	3.3	127.7	127.7	127.2	-0.4	-0.5
15   Manufacture of leather and related products   0.3   104.9   96.9   98.0   1.1   -	13	Manufacture of textiles	3.2	99.9	100.6	100.9	0.4	1.0
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials   1.3   119.0   119.2   119.3   0.1	14	Manufacture of wearing apparel	0.1	100.2	100.2	100.2	0.0	0.0
16	15	Manufacture of leather and related products	0.3	104.9	96.9	98.0	1.1	-6.6
18	16	except furniture; manufacture of articles of straw and	1.3	119.0	119.2	119.3	0.1	0.2
19   Manufacture of coke and refined petroleum products   0.3   98.0   90.4   94.6   4.7   - 20   Manufacture of chemicals and chemical products   3   99.1   105.2   106.6   1.3   104.8   21   Manufacture of pharmaceuticals, medicinal chemical and botanical products   Manufacture of rubber and plastics products   2.7   89.4   94.1   100.1   6.3   1   100.1   6.3   1   100.1   1	17	Manufacture of paper and paper products	2.3	100.6	99.2	99.1	0.0	-1.5
Manufacture of chemicals and chemical products   3   99.1   105.2   106.6   1.3	18	Printing and reproduction of recorded media	1.2	97.9	96.6	97.9	1.3	-0.1
Manufacture of pharmaceuticals, medicinal chemical and botanical products	19	Manufacture of coke and refined petroleum products	0.3	98.0	90.4	94.6	4.7	-3.4
botanical products  22 Manufacture of rubber and plastics products  23 Manufacture of other non-metallic mineral products  24 Manufacture of basic metals  25 Manufacture of fabricated metal products, except machinery and equipment  26 Manufacture of computer, electronic and optical products  27 Manufacture of electrical equipment  28 Manufacture of machinery and equipment n.e.c.  29 Manufacture of motor vehicles, trailers and semi-trailers  30 Manufacture of furniture  20 Other manufacturing  31 Electricity, gas, steam and air conditioning supply  32 Mater collection, treatment and supply  34 Dot. 107.0 104.8 100.1 100.1 6.3 11  36 Water collection, treatment and supply  30 Pat. 107.0 104.8 100.1 100.1 6.3 11  31 Manufacture of motor vehicles, trailers and semi-trailers  32 Pat. 107.0 104.8 100.1 104.8 100.1 104.8 100.1 104.8 100.1 104.8 100.1 104.8 100.1 104.8 100.1 104.8 100.1 104.8 100.1 104.8 100.1 104.8 10	20	Manufacture of chemicals and chemical products	3	99.1	105.2	106.6	1.3	7.6
23       Manufacture of other non-metallic mineral products       5.7       94.3       100.7       97.3       -3.4       3.2         24       Manufacture of basic metals       3.2       94.6       99.7       102.9       3.2       3.2         25       Manufacture of fabricated metal products, except machinery and equipment       0.4       102.4       105.0       105.7       0.7       3.2         26       Manufacture of computer, electronic and optical products       0.1       81.6       76.0       100.4       32.1       2         27       Manufacture of electrical equipment       0.7       101.2       109.6       109.6       0.0       32.1         28       Manufacture of machinery and equipment n.e.c.       0.004       95.5       98.0       98.0       0.0         29       Manufacture of motor vehicles, trailers and semi-trailers       0.6       91.1       97.7       97.7       -0.1         31       Manufacture of furniture       2.3       100.0       102.4       102.4       0.0       32         32       Other manufacturing       0.6       104.7       112.7       113.1       0.4       33         33       Repair and installation of machinery and equipment       0.1       112.6       <	21		0.4	107.0	104.8	104.8	0.0	-2.1
24       Manufacture of basic metals       3.2       94.6       99.7       102.9       3.2       3.2         25       Manufacture of fabricated metal products, except machinery and equipment       0.4       102.4       105.0       105.7       0.7       3.2         26       Manufacture of computer, electronic and optical products       0.1       81.6       76.0       100.4       32.1       2         27       Manufacture of electrical equipment       0.7       101.2       109.6       109.6       0.0       3         28       Manufacture of machinery and equipment n.e.c.       0.004       95.5       98.0       98.0       0.0       3         29       Manufacture of motor vehicles, trailers and semi-trailers       0.6       91.1       97.7       97.7       -0.1       3         31       Manufacturing       0.6       104.7       112.7       113.1       0.4       3         32       Other manufacturing       0.6       104.7       112.7       113.1       0.4       3         33       Repair and installation of machinery and equipment       0.1       112.6       107.7       107.7       0.0         C       Manufacturing       62.8       102.0       106.5       106.9	22	Manufacture of rubber and plastics products	2.7	89.4	94.1	100.1	6.3	12.0
25   Manufacture of fabricated metal products, except machinery and equipment   0.4   102.4   105.0   105.7   0.7   32.1   26   Manufacture of computer, electronic and optical products   0.1   81.6   76.0   100.4   32.1   22.2   27   Manufacture of electrical equipment   0.7   101.2   109.6   109.6   0.0   32.1	23	Manufacture of other non-metallic mineral products	5.7	94.3	100.7	97.3	-3.4	3.2
Manufacture of computer, electronic and optical products   0.1   81.6   76.0   100.4   32.1   22   27   Manufacture of electrical equipment   0.7   101.2   109.6   109.6   0.0   28   Manufacture of machinery and equipment n.e.c.   0.004   95.5   98.0   98.0   0.0   29   Manufacture of motor vehicles, trailers and semi-trailers   0.6   91.1   97.7   97.7   -0.1   31   Manufacture of furniture   2.3   100.0   102.4   102.4   0.0   32   23   23   24   25   25   25   25   25   25   25	24	Manufacture of basic metals	3.2	94.6	99.7	102.9	3.2	8.8
27       Manufacture of electrical equipment       0.7       101.2       109.6       109.6       0.0       3         28       Manufacture of machinery and equipment n.e.c.       0.004       95.5       98.0       98.0       0.0       3         29       Manufacture of motor vehicles, trailers and semi-trailers       0.6       91.1       97.7       97.7       -0.1       3         31       Manufacture of furniture       2.3       100.0       102.4       102.4       0.0       3         32       Other manufacturing       0.6       104.7       112.7       113.1       0.4       3         33       Repair and installation of machinery and equipment       0.1       112.6       107.7       107.7       0.0       -         C       Manufacturing       62.8       102.0       106.5       106.9       0.4       4         35       Electricity, gas, steam and air conditioning supply       17       103.2       103.4       103.4       0.0       0         36       Water collection, treatment and supply       1.2       110.7       111.7       111.7       0.0       0	25		0.4	102.4	105.0	105.7	0.7	3.3
28       Manufacture of machinery and equipment n.e.c.       0.004       95.5       98.0       98.0       0.0       29         29       Manufacture of motor vehicles, trailers and semi-trailers       0.6       91.1       97.7       97.7       -0.1       31         31       Manufacture of furniture       2.3       100.0       102.4       102.4       0.0       20         32       Other manufacturing       0.6       104.7       112.7       113.1       0.4       32         33       Repair and installation of machinery and equipment       0.1       112.6       107.7       107.7       0.0       -         C       Manufacturing       62.8       102.0       106.5       106.9       0.4       4         35       Electricity, gas, steam and air conditioning supply       17       103.2       103.4       103.4       0.0       0         36       Water collection, treatment and supply       1.2       110.7       111.7       111.7       0.0       0	26	Manufacture of computer, electronic and optical products	0.1	81.6	76.0	100.4	32.1	23.0
29       Manufacture of motor vehicles, trailers and semi-trailers       0.6       91.1       97.7       97.7       -0.1       31         31       Manufacture of furniture       2.3       100.0       102.4       102.4       0.0       32         32       Other manufacturing       0.6       104.7       112.7       113.1       0.4       38         33       Repair and installation of machinery and equipment       0.1       112.6       107.7       107.7       0.0          C       Manufacturing       62.8       102.0       106.5       106.9       0.4       4         35       Electricity, gas, steam and air conditioning supply       17       103.2       103.4       103.4       0.0       0         36       Water collection, treatment and supply       1.2       110.7       111.7       111.7       0.0       0	27	' '	0.7	101.2		109.6	0.0	8.3
31       Manufacture of furniture       2.3       100.0       102.4       102.4       0.0       2.3         32       Other manufacturing       0.6       104.7       112.7       113.1       0.4       8.3         33       Repair and installation of machinery and equipment       0.1       112.6       107.7       107.7       0.0       -         C       Manufacturing       62.8       102.0       106.5       106.9       0.4       0.0       0.0         35       Electricity, gas, steam and air conditioning supply       17       103.2       103.4       103.4       0.0       0.0         36       Water collection, treatment and supply       1.2       110.7       111.7       111.7       0.0       0.0	28	, , ,	0.004	95.5	98.0	98.0	0.0	2.5
32       Other manufacturing       0.6       104.7       112.7       113.1       0.4       8         33       Repair and installation of machinery and equipment       0.1       112.6       107.7       107.7       0.0       -         C       Manufacturing       62.8       102.0       106.5       106.9       0.4       4         35       Electricity, gas, steam and air conditioning supply       17       103.2       103.4       103.4       0.0       0         36       Water collection, treatment and supply       1.2       110.7       111.7       111.7       0.0       0		·						7.2
33         Repair and installation of machinery and equipment         0.1         112.6         107.7         107.7         0.0         -           C         Manufacturing         62.8         102.0         106.5         106.9         0.4         4           35         Electricity, gas, steam and air conditioning supply         17         103.2         103.4         103.4         0.0         0           36         Water collection, treatment and supply         1.2         110.7         111.7         111.7         0.0         0								2.4
C         Manufacturing         62.8         102.0         106.5         106.9         0.4         4           35         Electricity, gas, steam and air conditioning supply         17         103.2         103.4         103.4         0.0         0           36         Water collection, treatment and supply         1.2         110.7         111.7         111.7         0.0         0								8.0
35 Electricity, gas, steam and air conditioning supply 17 103.2 103.4 103.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	33	Repair and installation of machinery and equipment	0.1	112.6	107.7	107.7	0.0	-4.4
36 Water collection, treatment and supply 1.2 110.7 111.7 0.0	С	Manufacturing	62.8	102.0	106.5	106.9	0.4	4.8
	35	Electricity, gas, steam and air conditioning supply	17	103.2	103.4	103.4	0.0	0.2
35&36 Utility 18.1 103.7 103.9 103.9 0.0	36	Water collection, treatment and supply	1.2	110.7	111.7	111.7	0.0	0.9
	35&36	Utility	18.1	103.7	103.9	103.9	0.0	0.2
Overall Index 100 107.1 110.0 110.2 0.2		Overall Index	100	107.1	110.0	110.2	0.2	2.9

<sup>\*</sup>Utilities includes; Electric power generation, transmission and distribution and Water collection, treatment and supply

Overall index recorded an increase of 0.2 percent from 110.0 of second guarter 2021 to 110.2

of third quarter 2021. An increase was attributed by Manufacture of computer, electronic and

optical products by 32.1 percent followed by Manufacture of rubber and plastics products by 6.3

percent and Manufacture of coke and refined petroleum products by 4.7 percent. On the other

hand, Manufacture of other non-metallic mineral products decreased by 3.4 percent followed by

Manufacture of beverages by 1.9 percent and Manufacture of tobacco products by 0.4 percent.

Looking at percentage change on the same guarter (third guarter 2020 to third guarter 2021),

the overall index recorded an increase of 2.9 percent from 107.1 third guarter 2020 to 110.2

third quarter 2021. An increase was attributed by Manufacture of computer, electronic and

optical products by 23.0 percent followed by followed by Manufacture of rubber and plastics

products by 12.0 percent and Manufacture of food products by 10.9 percent. On the other hand,

Manufacture of leather and related products decreased by 6.6 percent followed by Repair and

installation of machinery and equipment by 4.4 percent and Manufacture of coke and refined

petroleum products with a decrease of 3.4 percent.

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