

National Bureau of Statistics

BS STATISTICS FOR DEVELOPMENT

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PRODUCER PRICE INDICES FOR THE QUARTER ENDING SEPTEMBER, 2022

Introduction

The National Bureau of Statistics hereby releases the Producer Price Index (PPI) for the third quarter July-September of 2022. 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 15th 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 2022.

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.

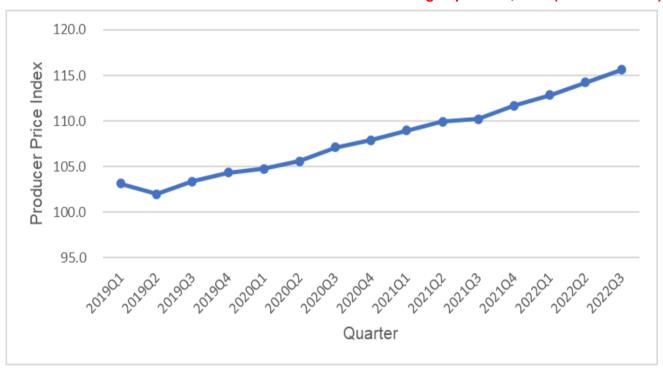


Chart 1: Overall Producer Price Indices for the Quarter Ending September, 2022 (Dec 2018 = 100)

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

National Color Nati		Industrial Activity		Index (Dec 2018=100)			Percentage Change	
B Other mining and quarrying 3.4 1212 1212 120.7 -0.4				Sept	Jun	Sept	Q3 vs 2022	2022 Q3 vs 2021 Q3
B Mining and Quarrying 19.1 127.2 128.8 128.7 -0.1	7	Mining of metal ores	15.7	128.5	130.4	130.4	0.0	1.4
10 Manufacture of food products 19.4 114.6 120.3 126.5 5.1	8	Other mining and quarrying	3.4	121.2	1212	120.7	-0.4	-0.4
Manufacture of beverages 12 100.2 115.2 115.1 -0.1	В	Mining and Quarrying	19.1	127.2	128.8	128.7	-0.1	1.1
Manufacture of tobacco products 3,3 127,2 128,0 128,0 0,0	10	Manufacture of food products	19.4	114.6	120.3	126.5	5.1	10.4
Manufacture of textiles 3.2 10.9 103.6 103.6 0.0	11	Manufacture of beverages	12	100.2	115.2	115.1	-0.1	14.9
Manufacture of wearing apparel 0.1 100.2 100.0 100.0 100.0 0.0	12	Manufacture of tobacco products	3.3	127.2	128.0	128.0	0.0	0.7
Manufacture of leather and related products Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and platting materials 1.3 119.3 118.5 118.1 -0.3 17 Manufacture of paper and paper products 2.3 99.1 98.7 103.2 4.5 18 Printing and reproduction of recorded media 1.2 97.9 98.1 97.4 -0.7 19 Manufacture of coke and refined petroleum products 0.3 94.6 99.3 103.8 4.6 10.8	13	Manufacture of textiles	3.2	100.9	103.6	103.6	0.0	2.6
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plating materials Manufacture of paper and paper products Printing and reproduction of recorded media Printing and reproduction of recorded media Printing and reproduction of recorded media Manufacture of coke and refined petroleum products Manufacture of chemicals and chemical products Manufacture of chemicals and chemical products Manufacture of pharmaceuticals, medicinal chemical and botanical products Manufacture of rubber and plastics products Manufacture of other non-metallic mineral products Manufacture of tabricated metal products, except machinery and equipment Manufacture of delectrical equipment Manufacture of electrical equipment Manufacture of other non-metallic mineral products Manufacture of fabricated metal products, except machinery and equipment Manufacture of omputer, electronic and optical products Manufacture of omputer, electronic and optical products Manufacture of machinery and equipment n.e.c. 0.004 98.0 96.0 96.0 0.0 Manufacture of motor vehicles, trailers and semi-trailers 0.6 97.7 86.3 86.3 0.0 - Manufacture of furniture 2.3 102.4 102.8 102.8 0.0 Manufacture of furniture 2.3 102.4 102.8 102.8 0.0 Other manufacturing Repair and installation of machinery and equipment 0.1 107.7 107.7 107.7 107.7 0.0 C Manufacturing 86.8 106.9 112.8 115.0 1.9 Stellectricity, gas, steam and air conditioning supply Water collection, treatment and supply 12 1111.7 111.7 111.7 0.0 Constitutes Manufacture of monufacture and supply Materials Manufacture of monufacture and supply Materials 1.3 119.3 118.5 118.1 103.9 103.9 10.0 Constitutes 1.4 104.8 104.8 104.8 10.0 1.5 104.8 104.8 104.8 10.0 1.6 110.3 110.3 10.0 1.7 107.1	14	Manufacture of wearing apparel	0.1	100.2	100.0	100.0	0.0	-0.2
16 except furniture; manufacture of articles of straw and plaiting materials 1.3 119.3 118.5 118.1 -0.3 17 118.1 17 111.7 111.7 111.7 111.7 111.7 111.7 111.7 111.7 111.7 111.7 111.7 111.7 111.7 111.7 111.7 10.0 12.5 10.3 10.	15	Manufacture of leather and related products	0.3	98.0	110.8	108.6	-2.0	10.8
18 Printing and reproduction of recorded media 1.2 97.9 98.1 97.4 -0.7 19 Manufacture of coke and refined petroleum products 20 Manufacture of chemicals and chemical products 3 106.6 110.3 110.3 0.0 21 Manufacture of pharmaceuticals, medicinal chemical and 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 omputer, electronic and optical products 38 Manufacture of machinery and equipment 39 Manufacture of motor vehicles, trailers and semi-trailers 30 Manufacture of furniture 31 Manufacture of furniture 32 Manufacture of machinery and equipment 33 Manufacture of machinery and equipment 34 Manufacture of machinery and equipment 35 Electricity, gas, steam and air conditioning supply 36 Water collection, treatment and supply 37 Mature of motor vehicles, treatment and supply 38 Mature of Manufacturing 39 Manufacturing 40 Manufacturing 41 Manufacturing 42 Manufacturing 43 Manufacturing 44 Manufacturing 45 Manufacturing 46 Manufacturing 46 Manufacturing 47 Manufacturing 48 Manufacturing 49 Manufacturing 40 Manufacturing 40 Manufacturing 41 Manufacturing 42 Manufacturing 43 Manufacturing 44 Manufacturing 45 Manufacturing 46 Manufacturing 47 Manufacturing 48 Manufacturing 49 Manufacturing 40 Manufacturing 40 Manufacturing 40 Manufacturing 41 Manufacturing 42 Manufacturing 43 Manufacturing 44 Manufacturing 45 Manufacturing 46 Manufacturing 47 Manufacturing 48 Manufacturing 49 Manufacturing 40 Manufacturing 40 Manufacturing 41 Manufacturing 41 Manufacturing 42 Manufacturing 43 Manufacturing 44 Manufacturing 45 Manufacturing 46 Manufacturing 47 Manufacturing 48 Manufacture of Manufacturing 49 Manufacture of Manufacturing 40 Manufacture of Manufacturing 40 Manufacture of Manufacturing 41 Manufacture of Manufacturing 41 Manufacture of Manufacturing 41 Manufacture of Manufactu	16	except furniture; manufacture of articles of straw and	1.3	119.3	118.5	118.1	-0.3	-1.0
19 Manufacture of coke and refined petroleum products 20 Manufacture of chemicals and chemical products 31 106.6 110.3 110.3 0.0 21 Manufacture of pharmaceuticals, medicinal chemical and botanical products 32 Manufacture of rubber and plastics products 33 106.6 110.3 110.3 0.0 22 Manufacture of rubber and plastics products 33 106.6 110.3 110.3 0.0 22 Manufacture of other non-metallic mineral products 32 Manufacture of other non-metallic mineral products 33 100.1 100.3 100.3 -0.1 23 Manufacture of basic metals 32 102.9 112.9 113.7 0.7 25 Manufacture of fabricated metal products, except machinery and equipment 30 Manufacture of computer, electronic and optical products 31 Manufacture of machinery and equipment n.e.c. 32 Manufacture of machinery and equipment n.e.c. 33 Manufacture of motor vehicles, trailers and semi-trailers 34 Manufacture of furniture 35 Manufacture of furniture 36 Manufacture of motor vehicles, trailers and semi-trailers 36 97.7 86.3 86.3 0.0 -0.0 37 Manufacture of motor vehicles, trailers and semi-trailers 38 Manufacture of furniture 39 Manufacture of furniture 40 Manufacture of furniture 41 Manufacture of furniture 42 Manufacture of furniture 43 Manufacture of motor vehicles, trailers and semi-trailers 40 Manufacture of furniture 41 Manufacture of furniture 42 Manufacture of furniture 43 Manufacture of motor vehicles, trailers and semi-trailers 40 Manufacture of motor vehicles, trailers and semi-trailers 40 Manufacture of furniture 41 Manufacture of furniture 42 Manufacture of furniture 43 Manufacture of furniture 44 Manufacture of furniture 45 Manufacture of furniture 46 Manufacture of furniture 47 Manufacture of furniture 48 Manufacture of furniture 49 Manufacture of furniture 50 Manufacture of furniture 51 Manufacture of furniture 52 Manufacture of furniture 53 Manufacture of furniture 54 Manufacture of furniture 55 Manufacture of motor vehicles, trailers and semi-trailers 66 Manufacture of furniture 67 Manufacture of furniture 67 Manufacture of furniture 68 Manufacture of furniture	17	Manufacture of paper and paper products	2.3	99.1	98.7	103.2	4.5	4.1
20 Manufacture of chemicals and chemical products 21 Manufacture of pharmaceuticals, medicinal chemical and 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 machinery and equipment 28 Manufacture of machinery and equipment 39 Manufacture of machinery and equipment 30 Manufacture of machinery and equipment 30 Manufacture of machinery and equipment 31 Manufacture of machinery and equipment n.e.c. 32 Manufacture of machinery and equipment n.e.c. 33 Manufacture of machinery and equipment n.e.c. 34 Manufacture of machinery and equipment n.e.c. 35 Manufacture of machinery and equipment n.e.c. 36 Manufacture of machinery and equipment n.e.c. 37 Manufacture of machinery and equipment n.e.c. 38 Manufacture of machinery and equipment n.e.c. 39 Manufacture of machinery and equipment n.e.c. 30 Manufacture of furniture 30 Manufacture of furniture 31 Manufacture of furniture 32 Other manufacturing 33 Repair and installation of machinery and equipment 34 Manufacturing 35 Electricity, gas, steam and air conditioning supply 36 Water collection, treatment and supply 37 Manufacture of furniture 38 Manufacturing 40 Manufacturing 41 Manufacturing 42 Manufacturing 43 Manufacturing 44 Manufacturing 45 Manufacture of machinery and equipment 46 Manufacturing 47 Manufacture of machinery and equipment 47 Manufacture of machinery and equipment 48 Manufacturing 49 Manufacture of machinery and equipment 40 Manufacture of machinery and equipment 50 Manufacture	18	Printing and reproduction of recorded media	1.2	97.9	98.1	97.4	-0.7	-0.4
Manufacture of pharmaceuticals, medicinal chemical and botanical products 0.4 104.8 104.8 104.8 0.0 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.3 100.3 -0.1 100.0 100.3 100.3 -0.1 100.0	19	Manufacture of coke and refined petroleum products	0.3	94.6	99.3	103.8	4.6	9.7
21 botanical products 0.4 104.8 104.8 104.8 0.0 22 Manufacture of rubber and plastics products 2.7 100.1 100.3 100.3 -0.1 23 Manufacture of other non-metallic mineral products 5.7 97.3 101.7 104.0 2.3 24 Manufacture of basic metals 3.2 102.9 112.9 113.7 0.7 25 Manufacture of fabricated metal products, except machinery and equipment 0.4 105.7 107.1 107.1 0.0 26 Manufacture of computer, electronic and optical products 0.1 100.4 99.1 99.1 0.0 27 Manufacture of electrical equipment 0.7 109.6 110.4 104.5 -5.4 28 Manufacture of machinery and equipment n.e.c. 0.004 98.0 96.0 96.0 0.0 29 Manufacture of furniture 2.3 102.4 102.8 102.8 0.0 31 Manufacturing 0.6 113.1 119.1 115.9 -2.7 33 Repair and installation of machinery and equipment 0.1	20	Manufacture of chemicals and chemical products	3	106.6	110.3	110.3	0.0	3.5
Manufacture of other non-metallic mineral products 5.7 97.3 101.7 104.0 2.3	21		0.4	104.8	104.8	104.8	0.0	0.0
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. 30 Manufacture of machinery and equipment n.e.c. 31 Manufacture of motor vehicles, trailers and semi-trailers 32 Manufacture of furniture 33 Manufacture of furniture 34 Manufacture of furniture 35 Manufacture of furniture 36 Manufacture of furniture 37 Manufacture of furniture 38 Manufacture of furniture 39 Manufacture of furniture 40 Manufacture of furniture 40 Manufacture of furniture 41 Manufacture of furniture 42 Manufacture of furniture 43 Manufacture of furniture 44 Manufacture of machinery and semi-trailers 46 Manufacture of machinery and equipment 47 Manufacturing 48 Manufacturing 49 Manufacturing 40 Manufacturing 40 Manufacturing 40 Manufacturing 41 Manufacturing 42 Manufacturing 43 Manufacturing 44 Manufacturing 45 Manufacturing 46 Manufacturing 47 Manufacturing 48 Manufacturing 49 Manufacturing 40 Manufacturing 40 Manufacturing 40 Manufacturing 41 Manufacturing 41 Manufacturing 42 Manufacturing 43 Manufacturing 44 Manufacturing 46 Manufacturing 47 Manufacturing 48 Manufacturing 49 Manufacturing 40 Manufacturing 41 Manufacturing 41 Manufacturing 42 Manufacturing 43 Manufacturing 44 Manufacturing 45 Manufacturing 46 Manufacturing 47 Manufacturing 48 Manufacturing 49 Manufacturing 40 Manufacturing 41 Manufact	22	Manufacture of rubber and plastics products	2.7	100.1	100.3	100.3	-0.1	0.2
Manufacture of fabricated metal products, except machinery and equipment 0.4 105.7 107.1 107.1 0.0	23	Manufacture of other non-metallic mineral products	5.7	97.3	101.7	104.0	2.3	6.9
Manufacture of computer, electronic and optical products	24	Manufacture of basic metals	3.2	102.9	112.9	113.7	0.7	10.6
27 Manufacture of electrical equipment 0.7 109.6 110.4 104.5 -5.4 28 Manufacture of machinery and equipment n.e.c. 0.004 98.0 96.0 96.0 0.0 29 Manufacture of motor vehicles, trailers and semi-trailers 0.6 97.7 86.3 86.3 0.0 - 31 Manufacture of furniture 2.3 102.4 102.8 102.8 0.0 32 Other manufacturing 0.6 113.1 119.1 115.9 -2.7 33 Repair and installation of machinery and equipment 0.1 107.7 107.7 107.7 0.0 C Manufacturing 62.8 106.9 112.8 115.0 1.9 35 Electricity, gas, steam and air conditioning supply 17 103.4 103.4 103.4 0.0 36 Water collection, treatment and supply 1.2 111.7 111.7 111.7 111.7 0.0	25		0.4	105.7	107.1	107.1	0.0	1.3
28 Manufacture of machinery and equipment n.e.c. 0.004 98.0 96.0 96.0 0.0 29 Manufacture of motor vehicles, trailers and semi-trailers 0.6 97.7 86.3 86.3 0.0 - 31 Manufacture of furniture 2.3 102.4 102.8 102.8 0.0 32 Other manufacturing 0.6 113.1 119.1 115.9 -2.7 33 Repair and installation of machinery and equipment 0.1 107.7 107.7 107.7 0.0 C Manufacturing 62.8 106.9 112.8 115.0 1.9 35 Electricity, gas, steam and air conditioning supply 17 103.4 103.4 103.4 0.0 36 Water collection, treatment and supply 1.2 111.7 111.7 111.7 0.0 35&36 Utility 18.1 103.9 103.9 0.0	26	Manufacture of computer, electronic and optical products	0.1	100.4	99.1	99.1	0.0	-1.3
29 Manufacture of motor vehicles, trailers and semi-trailers 31 Manufacture of furniture 32 Other manufacturing 33 Repair and installation of machinery and equipment 34 Electricity, gas, steam and air conditioning supply 35 Water collection, treatment and supply 36 Utility 37 Manufacture of motor vehicles, trailers and semi-trailers 38 0.6 97.7 86.3 86.3 0.0 102.8 102.8 0.0 102.8 1	27	Manufacture of electrical equipment	0.7	109.6	110.4	104.5	-5.4	-4.7
31 Manufacture of furniture 32	28	Manufacture of machinery and equipment n.e.c.	0.004	98.0	96.0	96.0	0.0	-2.0
32 Other manufacturing 33 Repair and installation of machinery and equipment 34 C Manufacturing 35 Electricity, gas, steam and air conditioning supply 36 Water collection, treatment and supply 37 Utility 38 Note: 102.4 102.6 102.6 102.7 102	29	Manufacture of motor vehicles, trailers and semi-trailers	0.6	97.7	86.3	86.3	0.0	-11.6
33 Repair and installation of machinery and equipment C Manufacturing 62.8 106.9 112.8 115.0 1.9 35 Electricity, gas, steam and air conditioning supply 36 Water collection, treatment and supply 37 103.4 103.	31	Manufacture of furniture	2.3	102.4	102.8	102.8	0.0	0.4
C Manufacturing 62.8 106.9 112.8 115.0 1.9 35 Electricity, gas, steam and air conditioning supply 17 103.4 103.4 103.4 0.0 36 Water collection, treatment and supply 1.2 111.7 111.7 111.7 0.0 35&36 Utility 18.1 103.9 103.9 103.9 0.0	32	Other manufacturing	0.6	113.1	119.1	115.9	-2.7	2.5
35 Electricity, gas, steam and air conditioning supply 36 Water collection, treatment and supply 37 103.4 10	33	Repair and installation of machinery and equipment	0.1	107.7	107.7	107.7	0.0	0.0
36 Water collection, treatment and supply 1.2 111.7 111.7 0.0 35&36 Utility 18.1 103.9 103.9 103.9 0.0	С	Manufacturing	62.8	106.9	112.8	115.0	1.9	7.6
35&36 Utility 18.1 103.9 103.9 0.0	35	Electricity, gas, steam and air conditioning supply	17	103.4	103.4	103.4	0.0	0.0
Output Indox	36	Water collection, treatment and supply	1.2	111.7	111.7	111.7	0.0	0.0
Overall Index	35&36	Utility	18.1	103.9	103.9	103.9	0.0	0.0
100 110.2 114.2 115.6 1.2		Overall Index	100	110.2	114.2	115.6	1.2	4.9

^{*}Utilities includes; Electric power generation, transmission and distribution and Water collection, treatment and supply

Overall index recorded an increase of 1.2 percent from 114.2 of second quarter 2022 to 115.6 of third quarter 2022. An increase was attributed by Manufacture of food products by 5.1

percent followed by Manufacture of coke and refined petroleum products by 4.6 percent and

Manufacture of paper and paper products by 4.5 percent. On the other hand, Manufacture of

electrical equipment decreased by 5.4 percent followed by other manufacturing by 2.7 percent

and Manufacture of leather and related products by 2.0 percent.

Looking at percentage change on the same quarter (third quarter 2021 to third quarter 2022),

the overall index recorded an increase of 4.9 percent from 110.2 third guarter 2021 to 115.6

third guarter 2022. An increase was attributed by Manufacture of beverages by 14.9 percent

followed by Manufacture of leather and related products by 10.8 percent and Manufacture of

basic metals by 10.6 percent. On the other hand, Manufacture of motor vehicles, trailers and

semi-trailers decreased by 11.6 percent followed by Manufacture of electrical equipment by 4.7

percent and Manufacture of machinery and equipment n.e.c. with a decrease of 2.0 percent.

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