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INDUSTRIAL PRODUCER PRICE INDEX, APRIL 2023

Producer prices of industrial products (total)

In April 2023, producer prices of industrial products for total industry decreased by 0.9% compared to March 2023, while they increased by 6.5% compared to April 2022.

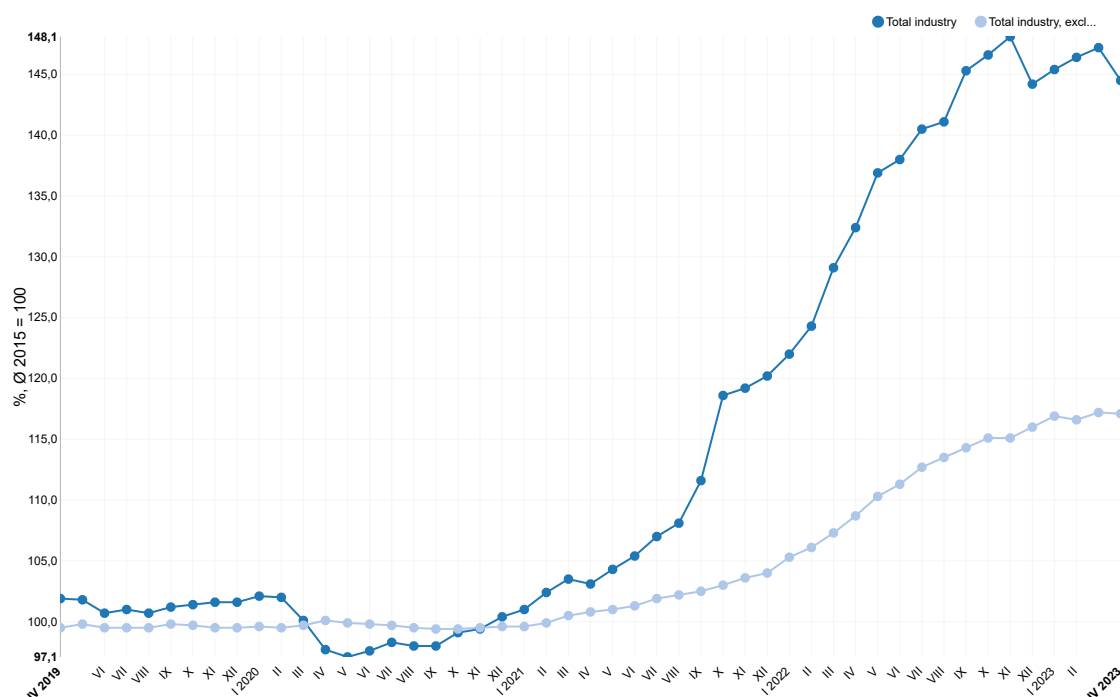
Comparison of producer prices of industrial products for total industry, excluding Energy, shows that in April 2023 they increased by 0.1% compared to March 2023 and by 6.2% compared to April 2022.

Producer prices of industrial products on the domestic market (total)

In April 2023, producer prices of industrial products on the domestic market for total industry decreased by 1.8% compared to March 2023, while they increased by 9.2% compared to April 2022.

Comparison of producer prices of industrial products on the domestic market for total industry, excluding Energy, shows that in April 2023 they decreased by 0.1% compared to March 2023, while they increased by 7.7% compared to April 2022.

G-1 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC MARKET, APRIL 2019 – APRIL 2023



Producer prices of industrial products on the non-domestic market (total)

In April 2023, producer prices of industrial products on the non-domestic market for total industry increased by 0.2% compared to March 2023 and by 3.1% compared to April 2022.

Comparison of producer prices of industrial products on the non-domestic market for total industry, excluding Energy, shows that in April 2023 they increased by 0.2% compared to March 2023 and by 4.8% compared to April 2022.

Producer prices of industrial products on the non-domestic market for total industry for the euro area and the non-euro area

In April 2023, producer prices of industrial products on the non-domestic market for total industry for the euro area decreased by 0.3% compared to March 2023.

In April 2023, producer prices of industrial products on the non-domestic market for total industry for the non-euro area increased by 1.0% compared to March 2023.

MIGs 2009 aggregates

Producer prices of industrial products (total)

In April 2023, as compared to March 2023, producer prices of industrial products increased in Non-durable consumer goods by 0.6%, while they decreased in Energy by 4.8%, in Intermediate goods by 0.3%, in Capital goods by 0.3% and in Durable consumer goods by 0.1%.

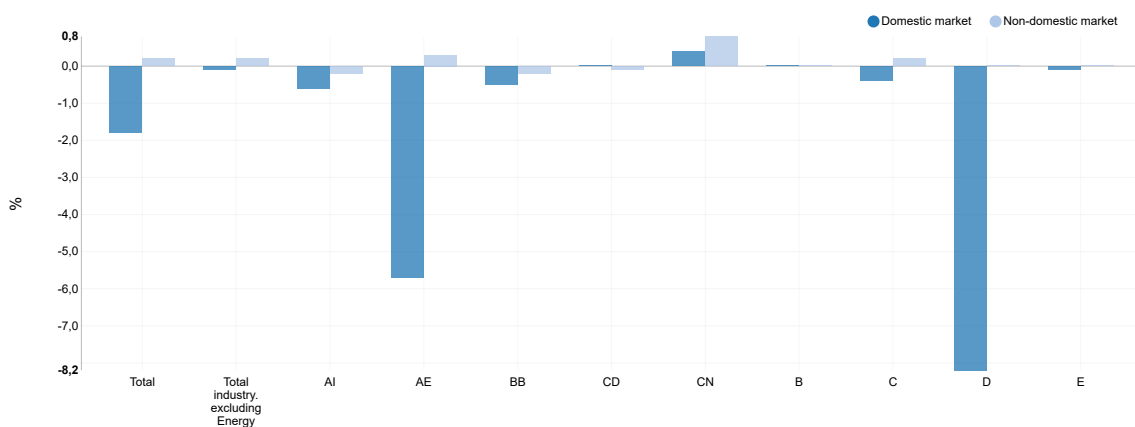
In April 2023, as compared to April 2022, producer prices of industrial products increased in Non-durable consumer goods by 9.2%, in Energy by 7.6%, in Intermediate goods by 4.3%, in Capital goods by 4.0% and in Durable consumer goods by 3.9%.

Producer prices of industrial products on the domestic market

In April 2023, as compared to March 2023, producer prices of industrial products increased in Non-durable consumer goods by 0.4%, they decreased in Energy by 5.7%, in Intermediate goods by 0.6% and in Capital goods by 0.5%, while they remained stable in Durable consumer goods.

In April 2023, as compared to April 2022, producer prices increased in Energy by 12.4%, in Durable consumer goods by 11.6%, in Non-durable consumer goods by 11.1%, in Intermediate goods by 4.2% and in Capital goods by 3.7%.

G-2 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, PRICE CHANGES COMPARED WITH PREVIOUS MONTH, APRIL 2023



MIGs 2009 aggregates

AI Intermediate goods
 AE Energy
 BB Capital goods
 CD Durable consumer goods
 CN Non-durable consumer goods

NKD 2007 sections

B Mining and quarrying
 C Manufacturing
 D Electricity, gas, steam and air conditioning supply
 E Water supply; sewerage, waste management and remediation activities

Producer prices of industrial products on the non-domestic market

In April 2023, as compared to March 2023, producer prices increased in Non-durable consumer goods by 0.8% and in Energy by 0.3%, while they decreased in Intermediate goods by 0.2%, in Capital goods by 0.2% and in Durable consumer goods by 0.1%.

In April 2023, as compared to April 2022, producer prices increased in Non-durable consumer goods by 6.2%, in Intermediate goods by 4.4% and in Capital goods by 4.2%, while they decreased in Energy by 17.5% and in Durable consumer goods by 0.6%.

NKD 2007 industrial sections

Producer prices of industrial products (total)

In April 2023, as compared to March 2023, producer prices decreased in Electricity, gas, steam and air conditioning supply by 8.2%, in Manufacturing by 0.1% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 0.1%, while they remained stable in Mining and quarrying.

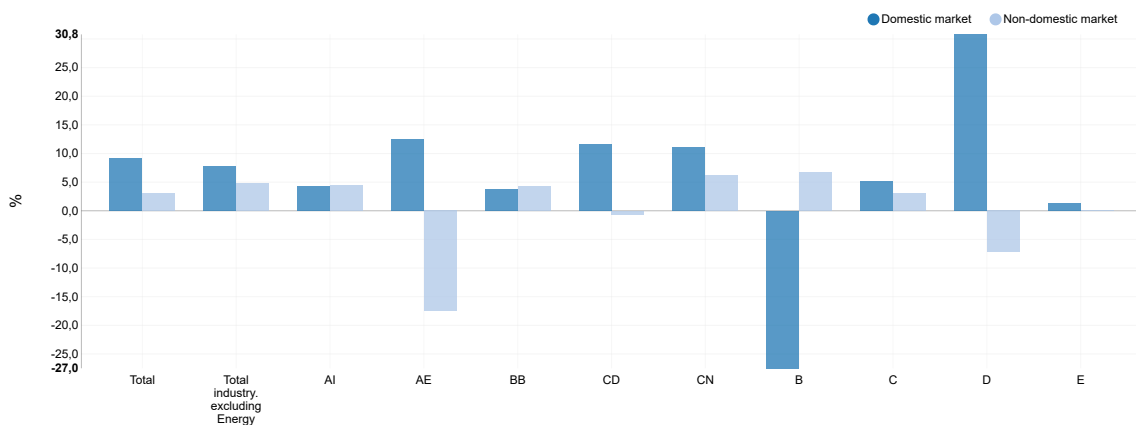
In April 2023, as compared to April 2022, producer prices increased in Electricity, gas, steam and air conditioning supply by 30.8%, in Manufacturing by 4.2% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 1.3%, while they decreased in Mining and quarrying by 26.6%.

Producer prices of industrial products on the domestic market

In April 2023, as compared to March 2023, producer prices decreased in Electricity, gas, steam and air conditioning supply by 8.2%, in Manufacturing by 0.4% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 0.1%, while they remained stable in Mining and quarrying.

In April 2023, as compared to April 2022, producer prices increased in Electricity, gas, steam and air conditioning supply by 30.8%, in Manufacturing by 5.2% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 1.3%, while they decreased in Mining and quarrying by 27.5%.

G-3 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, PRICE CHANGES COMPARED WITH SAME MONTH OF PREVIOUS YEAR, APRIL 2023



MIGs 2009 aggregates

- AI Intermediate goods
- AE Energy
- BB Capital goods
- CD Durable consumer goods
- CN Non-durable consumer goods

NKD 2007 sections

- B Mining and quarrying
- C Manufacturing
- D Electricity, gas, steam and air conditioning supply
- E Water supply; sewerage, waste management and remediation activities

Producer prices of industrial products on the non-domestic market

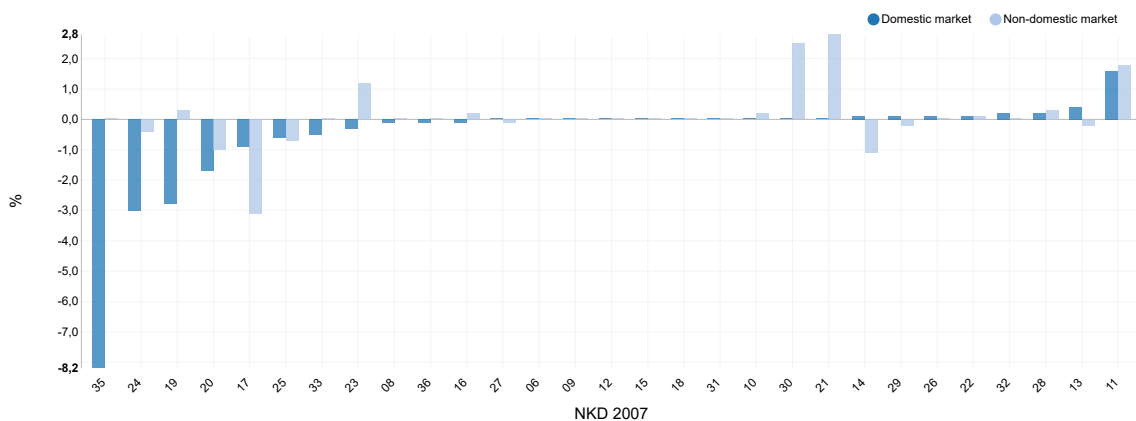
In April 2023, as compared to March 2023, producer prices increased in Manufacturing by 0.2%, while they remained stable in Mining and quarrying, and in Electricity, gas, steam and air conditioning supply.

In April 2023, as compared to April 2022, producer prices increased in Mining and quarrying by 6.7% and in Manufacturing by 3.1%, while they decreased in Electricity, gas, steam and air conditioning supply by 7.2%.

1 INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, NON-DOMESTIC MARKET AND TOTAL, ACCORDING TO MIGs 2009 AND NKD 2007 SECTIONS AND DIVISIONS, APRIL 2023

	Domestic market		Non-domestic market		Total	
	IV 2023 III 2023	IV 2023 IV 2022	IV 2023 III 2023	IV 2023 IV 2022	IV 2023 III 2023	IV 2023 IV 2022
Total industry	98,2	109,2	100,2	103,1	99,1	106,5
Total industry, excluding Energy	99,9	107,7	100,2	104,8	100,1	106,2
According to MIGs 2009						
AI Intermediate goods	99,4	104,2	99,8	104,4	99,7	104,3
AE Energy	94,3	112,4	100,3	82,5	95,2	107,6
BB Capital goods	99,5	103,7	99,8	104,2	99,7	104,0
CD Durable consumer goods	100,0	111,6	99,9	99,4	99,9	103,9
CN Non-durable consumer goods	100,4	111,1	100,8	106,2	100,6	109,2
According to NKD 2007 sections and divisions						
B Mining and quarrying	100,0	72,5	100,0	106,7	100,0	73,4
06 Extraction of crude petroleum and natural gas	100,0	30,3	...	...	100,0	30,3
08 Other mining and quarrying	99,9	108,6	100,0	106,7	99,9	108,4
09 Mining support service activities	100,0	100,0	...	...	100,0	100,0
C Manufacturing	99,6	105,2	100,2	103,1	99,9	104,2
10 Manufacture of food products	100,0	111,1	100,2	110,0	100,1	110,8
11 Manufacture of beverages	101,6	114,5	101,8	113,0	101,6	114,3
12 Manufacture of tobacco products	100,0	109,5	100,0	128,1	100,0	112,6
13 Manufacture of textiles	100,4	106,9	99,8	107,4	100,0	107,3
14 Manufacture of wearing apparel	100,1	104,7	98,9	98,9	99,1	100,0
15 Manufacture of leather and related products	100,0	105,2	100,0	97,6	100,0	98,5
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	99,9	104,3	100,2	105,2	100,0	104,8
17 Manufacture of paper and paper products	99,1	106,0	96,9	103,4	97,9	104,7
18 Printing and reproduction of recorded media	100,0	103,0	100,0	103,8	100,0	103,4
19 Manufacture of coke and refined petroleum products	97,2	83,2	100,3	82,4	98,5	82,8
20 Manufacture of chemicals and chemical products	98,3	97,3	99,0	102,5	98,7	100,1
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	100,0	102,8	102,8	106,6	102,5	106,2
22 Manufacture of rubber and plastic products	100,1	100,8	100,1	99,0	100,1	99,8
23 Manufacture of other non-metallic mineral products	99,7	111,6	101,2	114,8	100,5	113,3
24 Manufacture of basic metals	97,0	99,5	99,6	97,9	99,2	98,2
25 Manufacture of fabricated metal products, except machinery and equipment	99,4	99,8	99,3	100,2	99,4	100,0
26 Manufacture of computer, electronic and optical products	100,1	100,7	100,0	99,9	100,0	100,1
27 Manufacture of electrical equipment	100,0	101,8	99,9	101,9	99,9	101,8
28 Manufacture of machinery and equipment n. e. c.	100,2	102,1	100,3	102,6	100,3	102,5
29 Manufacture of motor vehicles, trailers and semi-trailers	100,1	107,2	99,8	99,8	99,9	100,6
30 Manufacture of other transport equipment	100,0	99,3	102,5	108,5	101,7	108,1
31 Manufacture of furniture	100,0	112,4	100,0	98,8	100,0	103,9
32 Other manufacturing	100,2	102,0	100,0	109,3	100,1	104,4
33 Repair and installation of machinery and equipment	99,5	108,7	100,0	121,2	99,6	113,1
D Electricity, gas, steam and air conditioning supply	91,8	130,8	100,0	92,8	91,8	130,8
35 Electricity, gas, steam and air conditioning supply	91,8	130,8	100,0	92,8	91,8	130,8
E Water supply; sewerage, waste management and remediation activities	99,9	101,3	...	...	99,9	101,3
36 Water collection, treatment and supply	99,9	101,3	...	...	99,9	101,3

G-4 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, ACCORDING TO NKD 2007 DIVISIONS, PRICE CHANGES COMPARED WITH PREVIOUS MONTH, APRIL 2023



NKD 2007 Divisions

- 06 Extraction of crude petroleum and natural gas
- 08 Other mining and quarrying
- 09 Mining support service activities
- 10 Manufacture of food products
- 11 Manufacture of beverages
- 12 Manufacture of tobacco products
- 13 Manufacture of textiles
- 14 Manufacture of wearing apparel
- 15 Manufacture of leather and related products
- 16 Manufacture of wood and of products of wood and cork, except furniture;
manufacture of articles of straw and plaiting materials
- 17 Manufacture of paper and paper products
- 18 Printing and reproduction of recorded media
- 19 Manufacture of coke and refined petroleum products
- 20 Manufacture of chemicals and chemical products
- 21 Manufacture of basic pharmaceutical products and pharmaceutical preparations
- 22 Manufacture of rubber and plastic 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 other transport equipment
- 31 Manufacture of furniture
- 32 Other manufacturing
- 33 Repair and installation of machinery and equipment
- 35 Electricity, gas, steam and air conditioning supply
- 36 Water collection, treatment and supply

2 INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, ACCORDING TO MIGs 2009 AND TO NKD 2007 SECTIONS AND DIVISIONS, APRIL 2023

	2022				2023			
	IX	X	XI	XII	I	II	III	IV
Total industry	145,3	146,6	148,1	144,2	145,4	146,4	147,2	144,5
Total industry, excluding Energy	114,3	115,1	115,1	116,0	116,9	116,6	117,2	117,1
According to MIGs 2009								
AI Intermediate goods	119,6	120,3	120,2	119,8	121,0	120,8	121,2	120,5
AE Energy	237,1	240,1	247,4	224,5	227,0	233,5	235,1	221,6
BB Capital goods	108,1	108,9	108,9	109,0	109,2	109,0	109,7	109,2
CD Durable consumer goods	115,7	114,9	114,9	114,9	118,2	118,4	118,8	118,8
CN Non-durable consumer goods	113,4	114,4	114,4	116,4	117,0	116,6	117,4	117,9
According to NKD 2007 sections and divisions								
B Mining and quarrying	745,1	667,6	397,0	396,6	401,4	402,4	404,2	404,1
06 Extraction of crude petroleum and natural gas	1)	1)	390,7	390,7	390,7	390,7	390,7	390,7
08 Other mining and quarrying	116,9	117,3	117,5	117,3	121,4	122,3	123,8	123,7
09 Mining support service activities	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
C Manufacturing	122,2	122,6	123,7	121,6	122,7	122,0	122,9	122,5
10 Manufacture of food products	117,2	118,2	117,9	119,6	119,9	119,4	120,3	120,3
11 Manufacture of beverages	110,9	112,6	113,0	117,5	119,0	118,5	119,1	120,9
12 Manufacture of tobacco products	147,9	147,9	147,9	145,9	145,9	145,9	145,9	145,9
13 Manufacture of textiles	106,6	106,9	107,0	107,1	107,9	110,3	110,3	110,8
14 Manufacture of wearing apparel	101,7	101,8	102,0	101,9	102,7	102,6	103,0	103,1
15 Manufacture of leather and related products	105,9	105,9	106,0	106,0	109,3	109,3	111,0	111,0
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	124,2	125,5	125,8	125,2	124,5	124,4	124,1	123,9
17 Manufacture of paper and paper products	129,7	129,7	129,6	129,4	129,9	129,7	128,6	127,5
18 Printing and reproduction of recorded media	105,6	105,8	105,9	105,9	106,0	106,0	106,0	106,0
19 Manufacture of coke and refined petroleum products	198,3	191,1	209,2	160,7	164,8	160,3	164,2	159,6
20 Manufacture of chemicals and chemical products	109,0	111,1	111,9	109,2	109,9	108,5	109,7	107,9
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	102,5	102,5	105,0	105,0	105,0	105,0	105,2	105,2
22 Manufacture of rubber and plastic products	112,0	111,7	110,8	110,0	110,9	110,0	110,1	110,2
23 Manufacture of other non-metallic mineral products	120,6	122,3	122,5	123,3	127,2	128,0	128,9	128,5
24 Manufacture of basic metals	123,2	123,1	124,6	124,5	125,7	125,2	124,2	120,5
25 Manufacture of fabricated metal products, except machinery and equipment	117,0	117,5	117,3	117,0	117,1	116,7	116,9	116,2
26 Manufacture of computer, electronic and optical products	95,8	96,2	96,0	96,1	95,1	93,9	96,2	96,3
27 Manufacture of electrical equipment	113,8	112,7	111,6	112,7	112,8	112,9	112,9	112,9
28 Manufacture of machinery and equipment n. e. c.	106,2	106,8	106,8	106,8	107,9	107,9	108,0	108,2
29 Manufacture of motor vehicles, trailers and semi-trailers	110,2	110,2	110,2	110,2	110,2	110,2	110,3	110,4
30 Manufacture of other transport equipment	93,5	93,5	93,5	92,5	92,9	92,9	92,9	92,9
31 Manufacture of furniture	116,6	116,8	116,8	116,8	120,5	120,7	121,2	121,2
32 Other manufacturing	107,0	105,1	105,3	105,2	105,1	105,0	105,4	105,6
33 Repair and installation of machinery and equipment	106,4	107,5	107,7	107,9	108,6	108,6	110,0	109,4
D Electricity, gas, steam and air conditioning supply	160,1	168,1	181,2	170,6	171,9	182,2	182,5	167,6
35 Electricity, gas, steam and air conditioning supply	160,1	168,1	181,2	170,6	171,9	182,2	182,5	167,6
E Water supply; sewerage, waste	101,9	101,9	102,1	102,1	102,1	102,4	102,1	102,0

4 INDUSTRIAL PRODUCER PRICE INDICES, TOTAL AND ACCORDING TO MIGs 2009 AND TO NKD 2007 SECTIONS AND DIVISIONS, APRIL 2023

2015 = 100

	2022				2023			
	IX	X	XI	XII	I	II	III	IV
Total industry	131,0	132,5	133,0	130,2	131,4	132,0	132,3	131,1
Total industry, excluding Energy	112,8	113,7	113,7	114,1	115,1	114,9	115,2	115,3
According to MIGs 2009								
AI Intermediate goods	117,3	117,9	117,9	117,7	118,9	118,7	118,8	118,4
AE Energy	221,7	227,1	231,1	207,1	209,6	215,6	216,0	205,5
BB Capital goods	111,1	112,2	112,2	112,1	111,7	111,9	112,1	111,8
CD Durable consumer goods	106,9	106,8	107,0	107,0	108,0	108,2	108,0	107,9
CN Non-durable consumer goods	110,4	111,7	111,6	112,8	114,1	113,7	114,3	115,0
According to NKD 2007 sections and divisions								
B Mining and quarrying	721,0	647,7	391,3	390,9	396,0	397,0	398,7	398,6
06 Extraction of crude petroleum and natural gas	1)	1)	390,7	390,7	390,7	390,7	390,7	390,7
08 Other mining and quarrying	116,3	116,7	116,8	116,7	121,0	121,7	123,1	123,0
09 Mining support service activities	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
C Manufacturing	119,0	120,1	120,4	118,6	119,7	119,4	119,7	119,6
10 Manufacture of food products	115,5	117,1	117,1	118,6	119,3	118,7	119,5	119,6
11 Manufacture of beverages	111,8	113,5	113,8	117,5	119,0	118,7	119,6	121,5
12 Manufacture of tobacco products	141,7	141,4	141,1	139,7	145,9	145,9	145,9	145,9
13 Manufacture of textiles	99,7	100,4	100,2	100,9	105,3	106,0	106,2	106,2
14 Manufacture of wearing apparel	98,1	98,1	98,4	98,5	98,3	98,3	98,4	97,5
15 Manufacture of leather and related products	103,6	103,6	100,1	100,1	101,4	101,5	101,7	101,7
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	121,8	122,9	123,5	123,0	122,7	122,2	121,8	121,8
17 Manufacture of paper and paper products	136,9	137,3	136,6	136,1	137,4	136,5	135,8	133,0
18 Printing and reproduction of recorded media	103,7	105,1	105,2	105,2	105,6	105,6	105,6	105,6
19 Manufacture of coke and refined petroleum products	186,9	191,1	196,3	155,0	158,5	157,7	158,2	155,8
20 Manufacture of chemicals and chemical products	110,0	111,5	113,5	112,2	112,2	111,8	112,0	110,6
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	106,9	107,2	107,3	106,9	111,4	110,5	110,4	113,1
22 Manufacture of rubber and plastic products	105,2	104,1	103,6	103,0	103,6	103,0	103,1	103,2
23 Manufacture of other non-metallic mineral products	126,5	128,3	128,2	128,6	132,6	133,1	133,7	134,3
24 Manufacture of basic metals	120,3	119,3	118,2	117,0	118,0	117,0	117,5	116,5
25 Manufacture of fabricated metal products, except machinery and equipment	115,3	115,7	115,5	115,4	115,5	115,5	115,3	114,6
26 Manufacture of computer, electronic and optical products	95,1	95,2	95,1	95,3	93,1	93,8	94,4	94,4
27 Manufacture of electrical equipment	108,4	108,3	108,3	109,0	108,9	109,0	109,0	108,9
28 Manufacture of machinery and equipment n. e. c.	108,2	109,0	109,1	109,1	108,9	109,6	109,6	109,9
29 Manufacture of motor vehicles, trailers and semi-trailers	108,1	108,7	108,8	106,8	106,7	106,6	106,6	106,4
30 Manufacture of other transport equipment	112,3	113,7	111,5	112,3	109,4	109,5	109,4	111,2
31 Manufacture of furniture	106,4	106,5	106,6	106,6	108,0	108,1	108,0	108,0
32 Other manufacturing	109,3	108,1	108,2	108,2	110,4	110,4	110,7	110,9
33 Repair and installation of machinery and equipment	116,4	118,6	118,8	118,9	119,6	119,6	120,9	120,4
D Electricity, gas, steam and air conditioning supply	160,1	168,1	180,9	170,3	171,6	181,9	182,2	167,3
35 Electricity, gas, steam and air conditioning supply	160,1	168,1	180,9	170,3	171,6	181,9	182,2	167,3
E Water supply; sewerage, waste management and remediation activities	101,9	101,9	102,1	102,1	102,1	102,4	102,1	102,0
36 Water collection, treatment and supply	101,9	101,9	102,1	102,1	102,1	102,4	102,1	102,0

1) Index exceeds 999.

8 AVERAGE ANNUAL INDUSTRIAL PRODUCER PRICE INDICES, TOTAL, ON DOMESTIC AND NON-DOMESTIC MARKET

	Total		Domestic market		Non-domestic market	
	Previous year = 100	2015 = 100	Previous year = 100	2015 = 100	Previous year = 100	2015 = 100
2013	99,8	106,6	100,5	106,9	98,6	105,8
2014	97,5	103,9	97,3	104,0	97,9	103,5
2015	96,3	100,0	96,1	100,0	96,6	100,0
2016	96,0	95,7	96,0	96,1	95,9	96,0
2017	102,0	97,5	102,1	98,0	101,9	97,8
2018	102,1	100,0	102,4	100,4	102,0	99,7
2019	100,7	100,7	100,8	101,2	100,6	100,2
2020	96,7	97,4	98,0	99,2	95,1	95,3
2021	108,3	105,2	109,5	108,7	106,7	101,7
2022	120,2	126,2	126,4	137,4	112,7	114,6

NOTES ON METHODOLOGY

Introduction

Industrial producer price indices on the domestic, non-domestic and total market are presented on an interannual chain and on a month-on-month basis as well as on the fixed base year 2015 = 100 due to the harmonisation with the Regulation (EU) 2019/2152 of the European Parliament and of the Council of 27 November 2019 on European business statistics, repealing ten legal acts in the field of business statistics.

Concepts, definitions and terminology are completely harmonised with those used and regulated by the EU. Therefore, the term "industrial producers' price index" has been changed to "industrial producer price index".

According to the EU terminology, the term "industrial producer price index" is also known as the "industrial output index" and the term "industrial producer prices" should be considered its synonym. If not specified, the term "industrial producer price index" denotes the "total industrial producer price index" (on the domestic and the non-domestic market).

The concept of industrial producer prices and their purpose

Total industrial producer price index is composed of two sub-indices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market. The combination of sub-indices for these two markets provides the changes in given products/services, while their aggregation provides the divisions of products and activities.

Industrial producer price index measures the changes of producer prices of manufactured goods produced in the Republic of Croatia and sold by producers on the domestic (Croatian) and/or the non-domestic (non-Croatian) market.

Industrial producer price index on the domestic market measures the changes of producer prices of manufactured goods that are produced and sold by producers on the domestic (Croatian) market.

Industrial producer price index on the non-domestic market, further subdivided into the euro area and the non-euro area, measures the changes of producer prices of manufactured goods that are sold by producers on foreign (non-Croatian) market.

The industrial producer price index is an important short-term indicator of the business cycle that shows monthly price changes in the total industrial sector (the NKD 2007 sections B, C, D and E - only division 36) on the domestic and the non-domestic market and further subdivided into the euro area and the non-euro area. According to the EU concept, it is an important business indicator that permits monthly monitoring of prices at different stages of the manufacturing process. It is also used for distinguishing effective growth of an activity due to price changes and provides information to the business community on particular markets of their interest. It can also indicate inflationary changes before they reach consumers.

Presentation of the industrial producer price index

All indices are presented in gross (unadjusted) form. They were calculated on the basis of data collected through the revised Monthly Survey on Industrial Producer Prices (IND-3/KPS/M form) for 2023.

Legal and methodological framework

The Monthly Survey on Industrial Producer Prices (IND-3/KPS/M form) in 2023 is carried out directly by the Croatian Bureau of Statistics on the basis of the Official Statistics Act (NN, No. 25/20). The internet application (CAWI method) is used in data collection. The reporting units directly access this application and enter their data on the basis of the instructions given.

The concepts and definitions used in the IND-3/KPS/M Survey are harmonised with the EU concepts and definitions, especially with the Regulation (EU) 2019/2152 of the European Parliament and of the Council and the Commission Implementing Regulation (EU) 2020/1197.

Scope and coverage

The reporting units included in the IND-3/KPS/M Survey are selected enterprises and parts thereof (legal entities and tradesmen) that produce selected products as defined in the Nomenclature of Industrial Products - NIP 2021, classified in the NKD 2007 (NN, Nos 58/07 and 72/07) activity sections B Mining and quarrying, C Manufacturing, D Electricity, gas, steam and air conditioning supply and E Water supply; sewerage, waste management and remediation activities (only division 36).

In order to collect data on industrial producer prices on the domestic and the non-domestic market, the IND-3/KPS/M Survey for 2023 covers a representative sample of industrial products at the level of covered activity classes of the NKD 2007, that is, all products that generated sales **exceeding 3 million euros on the domestic market and 2 million euros on the non-domestic market** according to the results of the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2021. The selection of enterprises has been done according to their share in the production of selected products, separately for the domestic and the non-domestic market.

For monitoring the **industrial producer prices on the domestic market**, the sample for the IND-3/KPS/M Survey for 2023 covers 1 839 item prices within the selected NIP 2021 products in 1 107 enterprises (legal entities and tradesmen), while for monitoring **industrial producer prices on the non-domestic market**, it covers 1 118 item prices within the selected NIP 2021 products in 675 enterprises (legal entities and tradesmen). In April 2023, the response rate was 98.4%, while the estimation rate of non-responded questionnaires was 1.6%.

Reference point

All industrial producer prices are recorded as transaction prices in effect on the 15th day of the month indicated. The prices at which a producer sells products at the domestic and/or the non-domestic market in the largest quantities to known buyer are recorded.

Completed IND-3/KPS/M forms are delivered directly on the website of the Croatian Bureau of Statistics in the period from 16th to 26th of the current reporting month (<https://podaci.dzs.hr/en/>).

Definitions

Producer price indices on the domestic and the non-domestic market require a separate compilation according to the destination of a product in order to obtain the producer price indices on the domestic and the non-domestic market.

The residency of the third party that has ordered or purchased the product determines the destination. The domestic market is defined when both the third party/buyer and the reporting unit are residents of the Republic of Croatia, while the non-domestic market is defined when the third party/buyer is not a resident of the Republic of Croatia.

Industrial producer prices on the domestic market are either the prices at which a producer sells products on the domestic market in the largest quantities, loaded free on a rail (truck) at a factory gate at the location of the producer or the price charged to another company by the producer. The selling price is increased for the amount of the compensation obtained by the seller and deducted for the amount of the discount and rebate as well as the value added tax and excises.

Industrial producer prices on the non-domestic market are prices at which a producer sells products on the non-domestic market in the largest quantities at the national border, FOB (free on board). The selling price is increased for the amount of the compensation obtained by the seller and deducted for the amount of the discount and rebate as well as the value added tax and excises.

Reporting of data for the non-domestic market according to the euro area criterion

The territory of the European Union (EU-27) comprises the national territories of 27 EU Member States, and the data for producer prices of items sold on the non-domestic market are reported for the European Union market according to the criterion of the national markets of the Member States using the euro as currency (from the euro area) and those Member States not using the euro as currency (from the non-euro area). For the reporting of data in 2023, the following country composition of the euro area applies:

From the euro area (EA-19) – refers to the territories of 19 EU Member States that have adopted a common currency (euro), i.e. Austria, Belgium, Cyprus, Estonia, Finland, France, Greece, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Germany, Portugal, Slovakia, Slovenia and Spain.

From the non-euro area (EU-7) – refers to the territory of the other seven EU Member States that have not yet adopted a common currency (euro), i.e. to Bulgaria, the Czech Republic, Denmark, Hungary, Poland, Romania and Sweden, and to other non-EU states.

Calculation method

Total industrial producer price index is composed of two sub-indices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market.

Industrial producer price indices on the domestic market and the non-domestic market are calculated according to the Laspeyres formula for different levels of the NKD 2007.

Individual indices for each representative product are calculated from data on prices by dividing prices of the current period by prices of the base period (December of the previous year).

Aggregate indices, that is, indices of groups, divisions and sections of the NKD 2007 as well as the total industry index are calculated by a weighted arithmetic mean from individual indices according to the modified Laspeyres formula:

$$I = \frac{\sum \frac{P_n}{P_o} \times W_o}{\sum W_o} \times 100$$

Whereby:

I is an index of a group, division, section, subsection and the total index

P_n is a price in the current period (month)

P_o is a price in the base period

W_o is the relative sale structure in the base period.

Weights

The weighting system for 2023 reference year is based on the value of products sold from the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2021. The weighting system is changed at the beginning of every reference year in relation to changes in prices.

Data publishing

The total industrial producer price indices, both on the domestic and the non-domestic market, are published for the total industry according to the NKD 2007 sections and divisions and according to MIGs 2009 aggregates (end use of products) grouped by the NKD 2007 activity groups and divisions. The total industrial producer price indices on the non-domestic market, subdivided into the euro area and the non-euro area, are published for the total industry according to the NKD 2007 and according to the MIGs 2009 aggregates, at constant base 2015 = 100, in the STS database <https://sts baza.dzs.hr/en>.

The grouping of the NKD 2007 activity groups or divisions according to the MIGs 2009¹⁾, using alphabetic marks of abbreviations, was done as follows:

AI	Intermediate goods: the NKD 2007 divisions and groups: 07 (excl. 07.21) – 09, 10.6, 10.9, 13.1 – 13.3, 16, 17, 20.1 – 20.3, 20.5, 20.6, 22 – 24 (excl. 24.46), 25.5 – 25.7, 25.9, 26.1, 26.8, 27.1 – 27.4 and 27.9
AE	Energy: the NKD 2007 divisions: 05, 06, 19, 35 and 36
BB	Capital goods: the NKD 2007 divisions and groups: 25.1 – 25.3, 26.2, 26.3, 26.5, 26.6, 28, 29, 30.2, 32.5 and 33
CD	Durable consumer goods: the NKD 2007 divisions and groups: 26.4, 26.7, 27.5, 30.9, 31, 32.1 and 32.2
CN	Non-durable consumer goods: the NKD 2007 divisions and groups: 10.1 – 10.5, 10.7, 10.8, 11, 12, 13.9, 14, 15, 18, 20.4, 21, 32.3, 32.4 and 32.9.

1) The Commission Implementing Regulation (EU) 2020/1197 of 30 July 2020 laying down technical specifications and arrangements pursuant to Regulation (EU) 2019/2152 of the European Parliament and of the Council, as regards the definitions of Main Industrial Groupings (MIGs).



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Abbreviations

CAWI	computer-assisted web interview
EU	European Union
excl.	excluding
MIGs 2009	Main Industrial Groupings, 2009 version
n. e. c.	not elsewhere classified
NKD 2007	National Classification of Activities, 2007 version
NN	Narodne novine, official gazette of the Republic of Croatia
PRODCOM	PRODUcts of the European COMMunity

Symbols

... data not available

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