

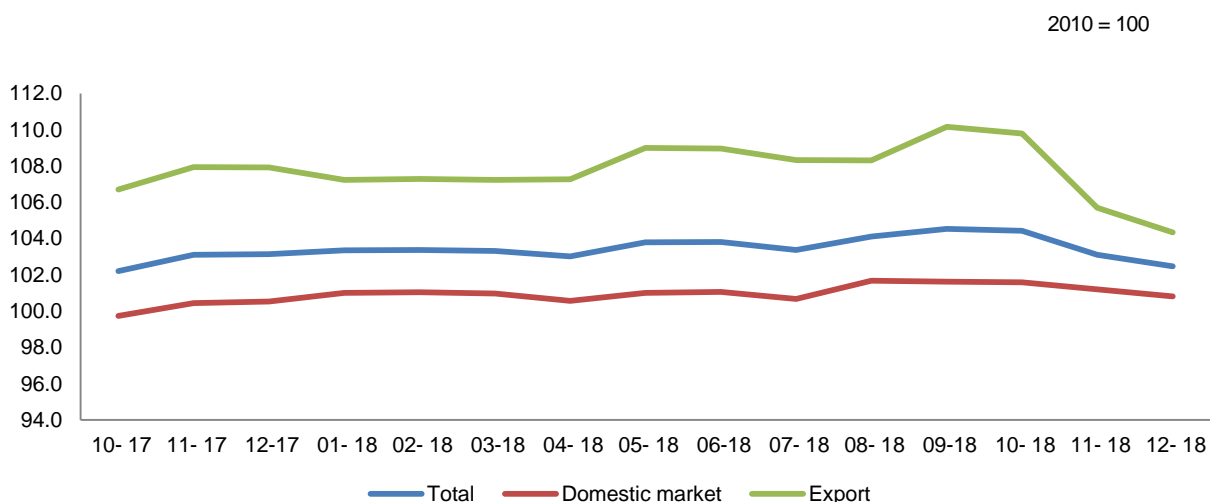
Producer price Index

Fourth quarter, 2018

Tirana, 05 March 2019: In fourth quarter 2018, producer price index reached 103.3, increasing by 0.5 %, compared with fourth quarter 2017.

Producer price index, in fourth quarter 2018, decreased by 0.6 % compared with third quarter 2018.

Fig.1 Producer Price Index



Annual change of producer price index

Producer price index in “Mining and quarrying” section increased by 4.3 %. Within this section a positive contribution was given by the group “Extraction of crude petroleum and natural gas, auxiliary services” by 6.5 %. Producer prices index in “Manufacture” section, decreased by 1.5 %. The main impact on this decrease was given by the activities such as “Manufacture of non-metallic mineral products” by 1.3 %, “Manufacture of food products” by 1.9 %, “Metallurgy” by 3.1 % and “Manufacture of dressing: wearing apparel” by 1.5 %.

Producer price Index for domestic market reached 101.2, signing an increase by 1.0 %, compared with the same period of 2017.

Export price index reached 106.6, signing a decrease by 0.8 %, compared with the fourth quarter of the previous year.

Quarter changes of Producer Price Index

Producer price index, in fourth quarter 2018, decreased by 0.6 % compared with third quarter 2018. Producer prices index in "Mining and quarrying" section decreased by 6,0 %, compared with the third quarter 2018. The main impact on this decrease was given by "Extraction of crude petroleum and natural gas products", by 10.4 %.

Producer price index in "Manufacturing" section has not changed compared with the previous quarter. On this industry "Manufacture of non-metallic mineral products" and "Manufacture of food products" activities increased respectively by 0.2 % and 0.6 %. While production prices in "Metallurgy" activity decreased by 0.4%

Compared with third quarter 2018, **producer prices for domestic market** signed a decrease by 0.1 %. The main impact on this decrease was given by the "Mining and quarrying" section by 3.2 %.

Export price index signed a decrease by 2.1 % compared with the previous quarter. The main impact on this decrease was given by "Mining and quarrying" section by 8.1 %.

Tab. 1 Producer Price Index

2010=100

NACE	Description	Weights %	Oct.-18	Nov.-18	Dec.-18	IV-18
	Total	100.0	104.4	103.1	102.5	103.3
B	Mining and quarrying	11.7	123.6	110.5	104.9	113.0
06	Extraction of crude petroleum and natural gas; auxiliary services	6.3	141.3	111.1	98.8	117.1
07	Mining of metal ores	3.9	95.8	102.7	104.9	101.1
08	Other mining and quarrying	1.5	107.0	107.0	107.0	107.0
C	Manufacturing	50.3	104.5	104.5	104.5	104.5
10	Manufacture of food products	7.9	104.3	104.3	104.3	104.3
11	Manufacture of beverages	2.0	104.7	104.3	104.5	104.5
12	Manufacture of tobacco products	0.1	99.1	99.1	99.1	99.1
13	Manufacture of textiles	0.4	101.5	101.4	101.5	101.4
14	Manufacture of dressing: wearing apparel	4.4	107.2	107.3	107.4	107.3
15	Manufacture of leathers and leather products	4.1	106.4	106.4	106.3	106.3
16	Manufacture of woods and products of wood and oak, except furniture; Manufacture of articles of straw and reed	0.7	106.6	106.6	106.5	106.6
17	Manufacture of papers and paper products	1.1	108.3	108.3	106.9	107.8
18	Paper printing and regrouping of recorded media	1.2	95.5	95.3	95.5	95.5
19	Manufacture of coke and petroleum products refinery	0.6	108.7	108.7	108.7	108.7
20	Manufacture of chemicals and chemical products	1.0	107.7	107.7	107.7	107.7
21	Manufacture of pharmaceutical products and pharmaceutical preparations	0.8	96.9	96.9	96.9	96.9
22	Manufacture of rubbers and plastic products	1.6	116.6	116.5	116.5	116.5
23	Manufacture of non-metallic mineral products	8.6	101.2	101.3	101.3	101.3
24	Metallurgy	5.6	98.0	98.0	98.0	98.0
25	Manufacture of fabricated metal products, except machinery and equipment	6.3	105.2	105.2	105.1	105.2
26	Manufacture of optics, electronics and computer products	0.1	117.0	116.8	116.4	116.7
27	Manufacture of electrical equipment	0.3	101.8	101.7	101.7	101.7
28	Manufacture of machinery and equipment	0.2	114.3	114.3	114.3	114.3
29	Manufacture of transport vehicles, trailers and semi-trailers	0.0	100.2	100.2	100.2	100.2
30	Other transport equipment	0.0	105.2	105.2	105.2	105.2
31	Manufacture of furniture	2.8	115.1	115.2	115.2	115.2
32	Other Industries	0.2	91.6	91.6	91.6	91.6
33	Repair and installation of machinery and equipment	0.2	103.6	103.6	104.0	103.7
D	Electricity, gas, steam and air conditioning	34.9	100.5	100.8	100.7	100.7
35	Electricity, gas, steam and air conditioning	34.9	100.5	100.8	100.7	100.7
E	Water supply, treatment activities and waste management	3.0	101.8	101.7	101.8	101.8
36	Water supply, treatment activities and waste management	1.4	117.6	117.6	117.6	117.6
37	Sewage removal and treatment services	0.0	101.5	101.5	101.5	101.5
38	Activities of collection, treatment and disposal of waste, materials recovery	1.7	80.9	80.8	80.9	80.9

Tab.2 Quarterly and annualy change of Producer Price Index

					%
NACE	Description	Weights %	IV -18 / III-18	IV -18 / IV -17	
	Total	100.0	-0.6	0.5	
B	Mining and quarrying	11.7	-6.0	4.3	
06	Extraction of crude petroleum and natural gas; auxiliary services	6.3	-10.4	6.5	
07	Mining of metal ores	3.9	-0.4	0.7	
08	Other mining and quarrying	1.5	0.0	1.7	
C	Manufacturing	50.3	0.0	-1.5	
10	Manufacture of food products	7.9	0.6	-1.9	
11	Manufacture of beverages	2.0	-1.2	-0.7	
12	Manufacture of tobacco products	0.1	0.0	0.0	
13	Manufacture of textiles	0.4	0.4	-2.0	
14	Manufacture of dressing: wearing apparel	4.4	0.1	-1.5	
15	Manufacture of leathers and leather products	4.1	1.0	-3.1	
16	Manufacture of woods and products of wood and oak, except furniture; Manufacture of articles of straw and reed	0.7	0.9	-2.0	
17	Manufacture of papers and paper products	1.1	-0.4	-3.4	
18	Paper printing and regrouping of recorded media	1.2	-0.7	1.7	
19	Manufacture of coke and petroleum products refinery	0.6	0.0	-0.3	
20	Manufacture of chemicals and chemical products	1.0	0.2	0.5	
21	Manufacture of pharmaceutical products and pharmaceutical preparations	0.8	-0.3	0.0	
22	Manufacture of rubbers and plastic products	1.6	-1.8	-2.0	
23	Manufacture of non-metallic mineral products	8.6	0.2	-1.3	
24	Metallurgy	5.6	-0.4	-3.1	
25	Manufacture of fabricated metal products, except machinery and equipment	6.3	-0.1	0.0	
26	Manufacture of optics, electronics and computer products	0.1	-0.5	-2.1	
27	Manufacture of electrical equipment	0.3	-0.7	-3.9	
28	Manufacture of machinery and equipment	0.2	0.4	-1.6	
29	Manufacture of transport vehicles, trailers and semi-trailers	0.0	-0.4	-1.6	
30	Other transport equipment	0.0	-0.2	0.0	
31	Manufacture of furniture	2.8	-0.1	-0.5	
32	Other Industries	0.2	-1.2	-4.5	
33	Repair and installation of machinery and equipment	0.2	-1.0	-5.5	
D	Electricity, gas, steam and air conditioning	34.9	0.2	1.7	
35	Electricity, gas, steam and air conditioning	34.9	0.2	1.7	
E	Water supply, treatment activities and waste management	3.0	0.0	1.5	
36	Water supply, treatment activities and waste management	1.4	0.0	2.6	
37	Shërbime të trajtimit të kanalizimeve	0.0	0.0	0.0	
38	Aktivitetet e grumbullimit, trajtimit dhe asgjësimit të mbetjeve; rikuperimi i materialeve	1.7	0.0	0.6	

Tab. 3 Producer Price Index for domestic market

2010=100

%

NACE	Description	Weights %	Oct.-18	Nov.-18	Dec.-18	VI-18	IV -18 / III-18	IV-18 / IV-17
	Total	100.0	101.6	101.2	100.8	101.2	-0.1	1.0
B	Mining and quarrying	7,1	122.6	114.1	108.1	114.9	-3.2	4.8
06	Extraction of crude petroleum and natural gas; auxiliary services	2.8	146.5	120.5	103.8	123.6	-6.6	8.9
07	Mining of metal ores	2.4	112.7	116.7	117.6	115.7	-1.4	-0.7
08	Other mining and quarrying	1.8	108.2	108.2	108.2	108.2	0.3	2.2
C	Manufacturing	42.5	101.8	101.8	101.8	101.8	0.0	-0.9
10	Manufacture of food products	7.2	106.4	106.6	106.6	106.5	0.2	-1.4
11	Manufacture of tobacco products	2.5	104.2	103.7	104.0	104.0	-1.3	-0.8
12	Manufacture of beverages	0.1	100.0	100.0	100.0	100.0	0.0	0.0
13	Manufacture of textile	0.2	86.4	86.4	86.5	86.4	-0.1	-1.0
14	Manufacture of dressing: wearing apparel	1.8	108.0	108.1	108.2	108.1	-0.3	0.3
15	Manufacture of leathers and leather products	1.7	108.9	108.3	109.0	108.7	-0.2	-4.4
16	Manufacture of woods and products of wood and oak, except furniture; Manufacture of articles of straw and reed	0.5	106.4	106.4	106.4	106.4	-0.1	-0.8
17	Manufacture of papers and paper products	0.5	96.6	96.6	96.6	96.6	1.9	-0.9
18	Paper printing and regrouping of recorded media	1.7	95.5	95.3	95.5	95.5	-0.7	1.7
19	Manufacture of coke and petroleum products refinery	0.1	98.6	98.6	98.6	98.6	0.0	-0.1
20	Manufacture of chemicals and chemical products	0.9	98.9	99.0	99.0	99.0	0.4	0.5
21	Manufacture of pharmaceutical products and pharmaceutical preparations	0.9	97.4	97.4	97.4	97.4	0.0	0.7
22	Manufacture of rubbers and plastic products	1.8	112.3	112.3	112.3	112.3	-1.9	-1.0
23	Manufacture of non-metallic mineral products	9.9	90.0	90.1	90.1	90.0	0.6	-1.0
24	Metallurgy	2.5	87.6	87.6	87.6	87.6	-0.1	-2.2
25	Manufacture of fabricated metal products, except machinery and equipment	6.3	96.5	96.4	96.4	96.4	0.0	0.0
26	Manufacture of optics, electronics and computer products	0.0	108.1	108.1	108.1	108.1	-0.5	1.5
27	Manufacture of electrical equipment	0.1	105.8	105.8	105.8	105.8	0.0	-3.7
28	Manufacture of machinery and equipment	0.1	115.2	115.2	115.2	115.2	1.7	-3.5
29	Manufacture of transport vehicles, trailers and semi-trailers	0.0	99.6	99.6	99.6	99.6	-0.1	0.0
30	Other transport equipment	0.0	102.5	102.5	102.5	102.5	-0.2	0.0
31	Manufacture of furniture	3.1	119.5	119.6	119.6	119.6	-0.2	-0.3
32	Other Industries	0.2	94.3	94.3	94.3	94.3	-1.1	-3.5
33	Repair and installation of machinery and equipment	0.3	112.0	112.0	112.3	112.1	-1.0	-5.5
D	Electricity, gas, steam and air conditioning	47.5	100.5	100.8	100.7	100.7	0.2	1.7
35	Electricity, gas, steam and air conditioning	47.5	100.5	100.8	100.7	100.7	0.2	1.7
E	Water supply, treatment activities and waste management	3.0	108.4	108.4	108.4	108.4	0.0	1.6
36	Water supply, treatment activities and waste management	1.9	117.6	117.6	117.6	117.6	0.0	2.6
37	Sewage removal and treatment services	0.0	101.5	101.5	101.5	101.5	0.0	0.0
38	Activities of collection, Treatment and disposal of waste, materials recovery	1.1	79.7	79.7	79.7	79.7	0.0	0.0

Tab. 4 Export Price Index

2010=100									%
NACE	Description	Weights	Oct.-18	Nov.-18	Dec.-18	IV-18	IV-18 / III-18	IV-18 / IV-17	
	Total	100.0	109.8	105.7	104.3	106.6	-2.1	-0.8	
B	Mining and quarrying	25	116.7	100.9	96.0	104.5	-8.1	4.0	
06	Extraction of crude petroleum and natural gas; auxiliary services	15.9	125.7	96.6	87.3	103.2	-12.1	5.1	
07	Mining of metal ores	8.2	86.7	95.7	98.9	93.8	0.4	1.8	
08	Other mining and quarrying	0.7	100.8	100.9	100.9	100.8	-2.4	-2.0	
C	Manufacturing	72.1	106.9	106.9	106.8	106.9	0.1	-2.6	
10	Manufacture of food products	9.9	99.6	99.2	99.3	99.3	1.5	-2.8	
11	Manufacture of tobacco products	0.6	100.0	100.0	100.0	100.0	0.0	0.0	
12	Manufacture of beverages	0.1	113.9	113.9	113.9	113.9	0.0	0.0	
13	Manufacture of textiles	0.7	109.5	109.5	109.5	109.5	0.9	-2.9	
14	Manufacture of dressing; wearing apparel	11.6	106.8	106.9	107.0	106.9	0.3	-2.3	
15	Manufacture of leathers and leather products	10.9	107.9	108.1	107.7	107.9	1.5	-2.6	
16	Manufacture of woods and products of wood and oak, except furniture; Manufacture of articles of straw and reed	1.2	103.9	103.9	103.8	103.8	2.2	-3.5	
17	Manufacture of papers and paper products	3.0	112.4	112.4	110.3	111.7	-1.4	-4.5	
19	Manufacture of coke and petroleum products refinery	1.8	103.5	103.5	103.5	103.5	0.0	-0.3	
20	Manufacture of chemicals and chemical products	1.2	122.0	122.0	122.0	122.0	-0.3	0.3	
21	Manufacture of pharmaceutical products and pharmaceutical preparations	0.4	102.5	102.5	102.5	102.5	-2.0	-4.0	
22	Manufacture of rubbers and plastic products	1.2	121.9	121.5	121.8	121.7	-1.2	-6.0	
23	Manufacture of non-metallic mineral products	5.1	151.1	151.7	151.5	151.4	-1.7	-2.6	
24	Metallurgy	14.4	103.2	103.3	103.3	103.2	-0.6	-3.5	
25	Manufacture of fabricated metal products, except machinery and equipment	6.2	115.4	115.4	115.3	115.4	-0.5	0.3	
26	Manufacture of optics, electronics and computer products	0.4	117.5	117.2	116.7	117.1	-0.4	-3.4	
27	Manufacture of electrical equipment	0.8	100.1	100.1	100.0	100.1	-0.9	-3.9	
28	Manufacture of machinery and equipment	0.4	114.1	114.1	114.1	114.1	-0.4	-0.4	
29	Manufacture of transport vehicles, trailers and semi-trailers	0.1	100.2	100.2	100.2	100.2	-0.5	-2.0	
31	Manufacture of furniture	1.8	104.4	104.3	104.3	104.3	0.0	-1.6	
32	Other Industries	0.4	90.4	90.4	90.4	90.4	-1.2	-5.9	
E	Water supply, treatment activities and waste management	3.3	85.6	85.4	85.5	85.5	0.0	0.9	
38	Activities of collection, treatment and disposal of waste, materials recovery	3.3	85.6	85.4	85.5	85.5	0.0	0.9	

Metodology

Producer price index measures the change in the prices of products at the first point of sale after production. Producer Price Index is compatible with Eurostat methodology and covers following economic activities:

- Extracting industry. B
- Manufacturing industry. C
- Electric power, water and gas. D
- Water supply, treatment activities and waste management

INSTAT calculates Producer Price Index for Domestic Production and Export Price Index. Calculation and publication of Producer Price Index in Albania include:

- Producer Price Index in Total
- Producer Price Index for Domestic Production
- Export Price Index

These indices are calculated for each product classified according to the Classification of Products by Economic Activity (CPA) in 6 – digit level and are published in two digit level. Renovation of the basket of enterprises and products is based on the results of Annual Structural Survey of Enterprises. For calculation of products' weights of Producer Price Index for Domestic Production are used data coming from SBS while for calculation of products' weights of Export Price Index are used data coming from Foreign Trade Statistics.

Producer Price Index (PPI) is calculated taking into consideration 2010 as base year (2010 = 100). Calculation's method used in compiling of this index is Laspayer chain – index. It means that each transaction will be compared with its previous year December price (y -1).

Index calculation

For calculation of index is used Laspeyres type and is calculated as following:

$$I_{2010}^{y,m} = \frac{100}{\frac{1}{12} \sum_{M=JAN}^{DEC} I_{2010Dec}^{2010,M}} \times \prod_{Y=2010}^{y-1} I_{Y-1,dec}^{Y,dec} \times I_{y-1,dec}^{y,m}$$

- The first part before the equal sign is stating the price level of December 2009 in percent of the average price level during 2010. hence adjusting the average of 2010 to 100.
- The second term is the chained index movement from December 2010 to December y-1 (a product of yearly index links [short-term - links] from December to December).
- The last part is showing the movement from December y-1 to month m year y.

Measures of index

The annual change measures the price change between the current quarter and the same quarter of previous year. This measures is responsive to recent changes in price levels but can be influenced by one – off effects in either quarter.

Quarterly change measures the price changes between current quarter and previous quarter.