

# STATISTICAL RELEASE

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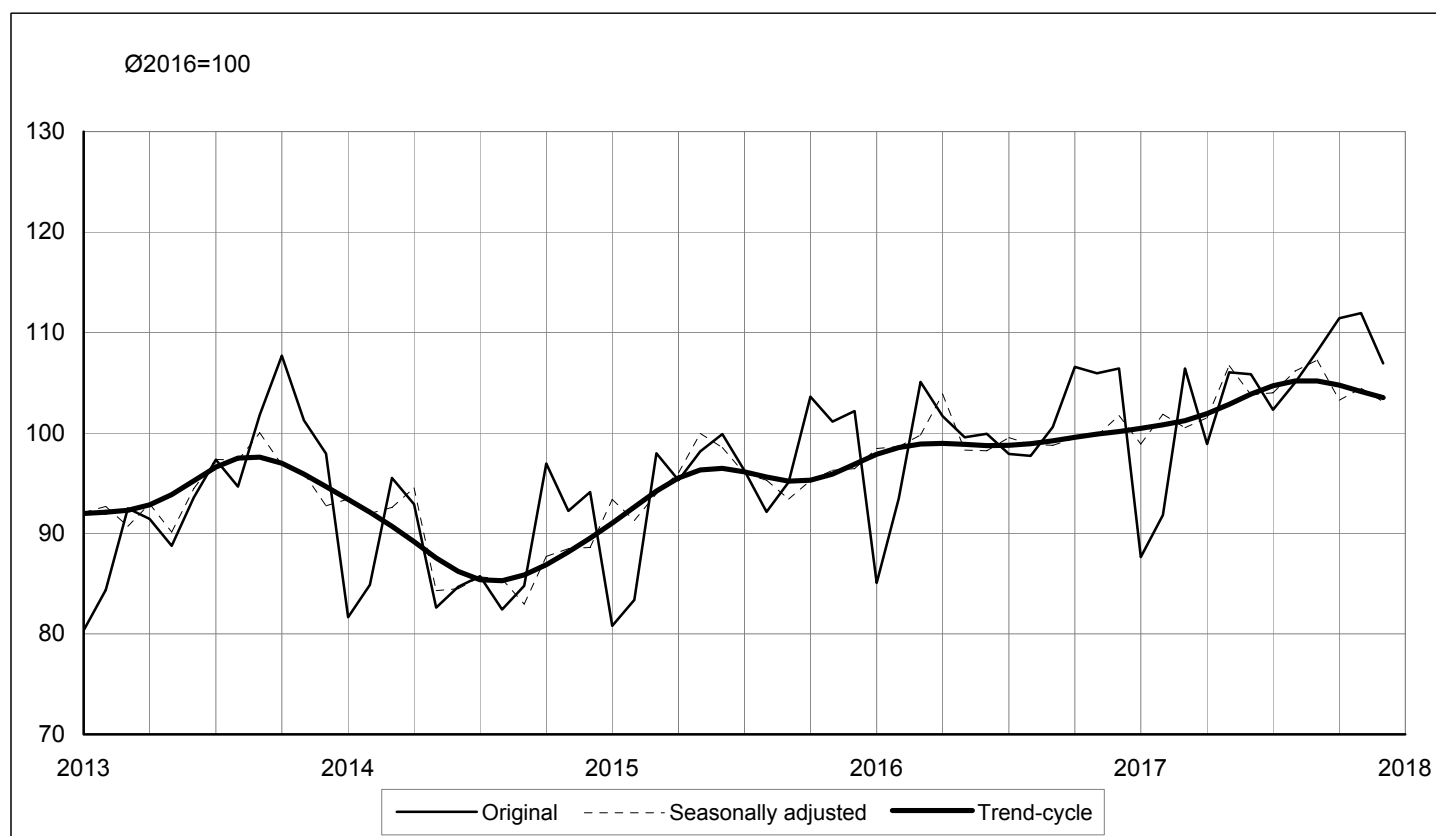
## Industry statistics

### Industrial production indices, December 2017 - Previous results -

Industrial production in the Republic of Serbia, in December 2017 was by 0.5% greater compared to December 2016 and was by 6.9% greater compared to 2016 average. Industrial production for January - December 2017, compared to the same period last year was by 3.5% greater. The manufacturing section increased by 6.4% in the period January-December 2017 compared to the same period in 2016.

Observed by sections, December 2017, compared to December 2016, in the mining and quarrying section increased by 3.3%, while the production in the manufacturing section increased by 0.4%, while the production in the section for electricity, gas, steam and air conditioning supply saw a 0.1% fall.

### Industrial production, 2013 - 2017



Data in this Communication represent previous results and may undergo certain modifications.

Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available certain data relative to AP Kosovo and Metohia and therefore these data are not included in the coverage for the Republic of Serbia (total).

## 1. Industrial production indices, by sections, MIGs and divisions, 2017

Republic of Serbia

	Ø2016=100			XII 2017	I-XII 2017
	XI	XII	I-XII	XII 2016	I-XII 2016
<b>Industry total<sup>1)</sup></b>	<b>111.9</b>	<b>106.9</b>	<b>103.5</b>	<b>100.5</b>	<b>103.5</b>
<b>Energy</b>	<b>104.0</b>	<b>108.8</b>	<b>97.2</b>	<b>100.6</b>	<b>97.2</b>
<b>Intermediate goods, except energy</b>	<b>115.7</b>	<b>106.8</b>	<b>110.0</b>	<b>107.2</b>	<b>110.0</b>
<b>Capital goods</b>	<b>112.0</b>	<b>99.3</b>	<b>109.2</b>	<b>89.6</b>	<b>109.2</b>
<b>Durable consumer goods</b>	<b>110.5</b>	<b>97.9</b>	<b>102.5</b>	<b>101.6</b>	<b>102.5</b>
<b>Non-durable consumer goods</b>	<b>116.6</b>	<b>107.8</b>	<b>102.4</b>	<b>97.4</b>	<b>102.4</b>
<b>Mining and quarrying</b>	<b>110.8</b>	<b>109.1</b>	<b>102.7</b>	<b>103.3</b>	<b>102.7</b>
Mining of coal and lignite	113.9	115.8	103.2	102.8	103.2
Extraction of crude petroleum and natural gas	92.3	93.2	94.6	96.9	94.6
Mining of metal ores	104.1	103.8	102.8	106.2	102.8
Other mining and quarrying	127.8	92.2	107.6	107.1	107.6
<b>Manufacturing</b>	<b>116.1</b>	<b>106.3</b>	<b>106.4</b>	<b>100.4</b>	<b>106.4</b>
Manufacture of food products	118.5	103.7	99.9	89.7	99.9
Manufacture of beverages	91.6	108.4	105.1	102.6	105.1
Manufacture of tobacco products	126.5	119.5	110.1	118.1	110.1
Manufacture of textiles	138.9	128.4	115.1	120.2	115.1
Manufacture of wearing apparel	113.6	103.8	103.5	113.2	103.5
Manufacture of leather and related products	112.6	109.1	101.1	122.2	101.1
Manufacture of wood and of products of wood and cork, except furniture	120.5	119.0	115.6	111.8	115.6
Manufacture of paper and paper products	111.1	112.2	109.3	99.3	109.3
Printing and reproduction of recorded media	85.9	85.5	82.5	82.1	82.5
Manufacture of coke and refined petroleum products	120.8	106.8	105.6	102.3	105.6
Manufacture of chemicals and chemical products	115.0	106.6	116.5	127.1	116.5
Manufacture of basic pharmaceutical products and pharmaceutical preparations	124.2	110.5	108.9	101.7	108.9
Manufacture of rubber and plastic products	114.2	100.3	113.1	102.5	113.1
Manufacture of other non-metallic mineral products	117.3	93.4	102.6	107.2	102.6
Manufacture of basic metals	126.4	122.9	110.7	106.0	110.7
Manufacture of fabricated metal products, except machinery and equipment	120.2	114.0	110.8	107.2	110.8
Manufacture of computer, electronic and optical products	114.6	118.1	100.6	72.0	100.6
Manufacture of electrical equipment	117.0	101.8	111.6	114.0	111.6
Manufacture of machinery and equipment n.e.c.	146.3	136.2	141.8	119.8	141.8
Manufacture of motor vehicles, trailers and semi-trailers	94.0	66.5	96.7	70.8	96.7
Manufacture of other transport equipment	119.7	65.5	91.4	52.8	91.4
Manufacture of furniture	125.4	124.3	110.5	109.9	110.5
Other manufacturing	150.8	136.6	96.7	93.6	96.7
Repair and installation of machinery and equipment	74.4	86.7	76.8	92.5	76.8
<b>Electricity, gas, steam and air conditioning supply</b>	<b>97.9</b>	<b>108.4</b>	<b>93.8</b>	<b>99.9</b>	<b>93.8</b>
Electricity, gas, steam and air conditioning supply	97.9	108.4	93.8	99.9	93.8

<sup>1)</sup> The estimate of the industrial production of small-sized enterprises that are not covered by regular statistical surveys of industry was made for December 2017. The estimate was made on the basis of the sample. If the estimate of industrial production of small-sized enterprises is included, the industrial production index for December 2017/2016 average, for total industrial production stands at 107.5 and for manufacturing 107.1.

## 2. Seasonally adjusted industrial production indices

Republic of Serbia

Ø2016=100

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>Industry total</b>												
2016	98.4	98.6	99.8	103.9	98.3	98.2	99.5	98.9	98.8	99.5	99.7	101.7
2017	98.9	101.9	100.5	101.5	106.7	103.8	104.0	106.2	107.2	103.3	104.4	103.1
<b>Manufacturing</b>												
2016	97.5	97.5	97.9	104.3	96.5	99.7	100.9	98.1	97.9	100.1	100.5	103.7
2017	102.4	105.8	107.3	105.1	108.0	105.9	105.9	108.0	108.6	105.3	107.7	105.6

### Industrial production indices<sup>1)</sup>

Industrial production index shows the percentage of decrease or increase in the quantities of produced manufactured products (services) on a selected territory. Hence, the index of industrial production presents trends of changes in industry development and the dynamics of its production in short time intervals.

There are two phases in the calculation of the index of production. In the first one, indices for groups and divisions are calculated on the basis of data on quantities, which are collected through the Monthly Survey on Industry, and on the basis of the weight by products (services).

Laspeyre's formula is used for the calculation. The quantities of products in the current and referent period are multiplied by weights of those products then those multiplication products are divided.

$$IFO_o = \frac{\sum q_1 k_0}{\sum q_0 k_0} * 100$$

$IFO_o$  – index of the physical volume of industrial production for divisions;

$q_1$  – quantity produced in the current period;

$q_0$  – quantity produced in the referent period;

$k_0$  – weights for the product in the referent period.

In the second phase, the index of the physical volume of industrial production for the overall industry, sections, sub-sections and MIGs is calculated on the basis of indices obtained for divisions and on the basis of the weight for divisions, the formula below being used for that purpose:

$$IFO = \frac{\sum I_i W_i}{\sum W_i}$$

$IFO$  – index of the physical volume of industrial production;

$I_i$  – index of the physical volume of industrial production in a division;

$W_i$  – weight for the division from the referent period.

<sup>1)</sup> Methodological explanations of Industrial Production Index could be found on the SORS website

<http://webrzs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=69>.

Time series of Industrial Production Indices are available on the SORS website, in the database

<http://webrzs.stat.gov.rs/WebSite/public/ReportView.aspx>.

### 3. Industrial production indices, by sectors, MIGs and divisions, 2017

AP Vojvodina

	Ø2016=100			XII 2017 XII 2016	I-XII 2017 I-XII 2016
	XI	XII	I-XII		
<b>Industry total</b>	<b>125.6</b>	<b>112.5</b>	<b>107.7</b>	<b>100.2</b>	<b>107.7</b>
<b>Energy</b>	<b>124.2</b>	<b>112.5</b>	<b>105.9</b>	<b>100.2</b>	<b>105.9</b>
<b>Intermediate goods, except energy</b>	<b>110.7</b>	<b>103.4</b>	<b>108.2</b>	<b>103.0</b>	<b>108.2</b>
<b>Capital goods</b>	<b>141.7</b>	<b>128.7</b>	<b>133.0</b>	<b>126.1</b>	<b>133.0</b>
<b>Durable consumer goods</b>	<b>132.0</b>	<b>100.1</b>	<b>118.5</b>	<b>108.2</b>	<b>118.5</b>
<b>Non-durable consumer goods</b>	<b>131.0</b>	<b>114.4</b>	<b>102.8</b>	<b>94.5</b>	<b>102.8</b>
<b>Mining and quarrying</b>	<b>96.9</b>	<b>93.2</b>	<b>94.3</b>	<b>95.1</b>	<b>94.3</b>
Mining of coal and lignite	132.2	85.6	97.4	67.1	97.4
Extraction of crude petroleum and natural gas	91.8	92.4	94.0	95.8	94.0
Other mining and quarrying	150.0	122.9	95.3	151.2	95.3
<b>Manufacturing</b>	<b>125.0</b>	<b>111.5</b>	<b>107.7</b>	<b>100.5</b>	<b>107.7</b>
Manufacture of food products	136.0	112.5	100.7	88.8	100.7
Manufacture of beverages	81.6	109.3	100.9	108.4	100.9
Manufacture of tobacco products	168.0	130.1	112.5	79.8	112.5
Manufacture of textiles	161.7	109.5	112.9	119.7	112.9
Manufacture of wearing apparel	113.8	90.6	101.3	103.2	101.3
Manufacture of leather and related products	123.2	143.0	112.9	170.6	112.9
Manufacture of wood and of products of wood and cork, except furniture	123.9	104.0	100.7	133.3	100.7
Manufacture of paper and paper products	84.5	76.1	96.3	61.1	96.3
Printing and reproduction of recorded media	98.4	99.8	103.7	109.0	103.7
Manufacture of coke and refined petroleum products	120.8	106.3	105.5	101.8	105.5
Manufacture of chemicals and chemical products	101.9	122.0	115.6	119.6	115.6
Manufacture of basic pharmaceutical products and pharmaceutical preparations	121.3	113.0	108.5	101.5	108.5
Manufacture of rubber and plastic products	117.7	103.3	115.6	105.7	115.6
Manufacture of other non-metallic mineral products	121.0	72.9	104.1	100.8	104.1
Manufacture of basic metals	95.6	93.8	100.7	104.1	100.7
Manufacture of fabricated metal products, except machinery and equipment	121.1	120.5	113.3	105.1	113.3
Manufacture of computer, electronic and optical products	76.8	94.5	97.7	52.2	97.7
Manufacture of electrical equipment	100.2	86.9	93.4	80.4	93.4
Manufacture of machinery and equipment n.e.c.	170.0	152.7	163.0	138.7	163.0
Manufacture of motor vehicles, trailers and semi-trailers	115.8	92.0	108.4	103.0	108.4
Manufacture of other transport equipment	188.5	105.0	128.9	134.1	128.9
Manufacture of furniture	117.7	92.4	98.2	86.2	98.2
Other manufacturing	188.4	173.2	113.9	132.5	113.9
Repair and installation of machinery and equipment	62.4	67.0	70.2	93.6	70.2
<b>Electricity, gas, steam and air conditioning supply</b>	<b>358.7</b>	<b>397.2</b>	<b>168.4</b>	<b>94.0</b>	<b>168.4</b>
Electricity, gas, steam and air conditioning supply	358.7	397.2	168.4	94.0	168.4

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