

# STATISTICAL RELEASE

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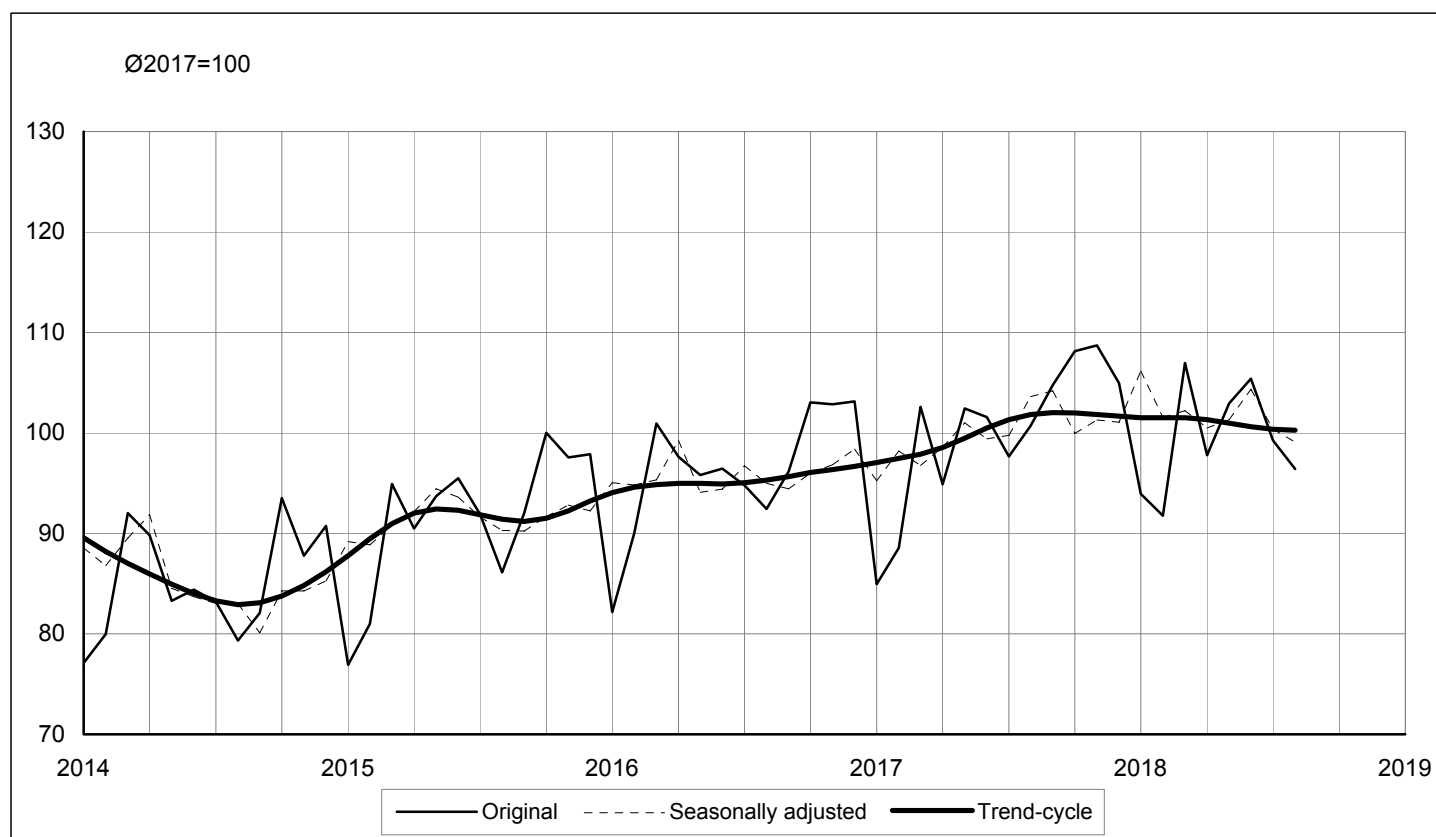
## Industry statistics

### Industrial production indices, August 2018 - Previous results -

Industrial production for the period January - August 2018, compared to the same period last year was by 2.7% higher.

The Manufacturing section for the period January - August 2018, compared to the same period last year was by 2.8% higher.

### Industrial production, 2014 - 2018



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, 2018

Republic of Serbia

	Ø2017=100			VIII 2018 VIII 2017	I-VIII 2018 I-VIII 2017
	VII	VIII	I-VIII		
<b>Industry total<sup>1)</sup></b>	<b>99.2</b>	<b>96.4</b>	<b>99.3</b>	<b>95.7</b>	<b>102.7</b>
<b>Energy</b>	<b>95.8</b>	<b>93.9</b>	<b>99.9</b>	<b>92.2</b>	<b>103.3</b>
<b>Intermediate goods, except energy</b>	<b>107.4</b>	<b>105.1</b>	<b>103.3</b>	<b>100.3</b>	<b>105.1</b>
<b>Capital goods</b>	<b>93.2</b>	<b>93.7</b>	<b>99.8</b>	<b>103.8</b>	<b>102.5</b>
<b>Durable consumer goods</b>	<b>94.8</b>	<b>105.2</b>	<b>100.5</b>	<b>108.0</b>	<b>104.4</b>
<b>Non-durable consumer goods</b>	<b>96.7</b>	<b>90.0</b>	<b>94.3</b>	<b>90.6</b>	<b>99.4</b>
<b>Mining and quarrying</b>	<b>95.2</b>	<b>86.9</b>	<b>91.9</b>	<b>79.8</b>	<b>96.2</b>
Mining of coal and lignite	87.5	75.7	88.0	69.9	93.9
Extraction of crude petroleum and natural gas	98.7	98.1	96.6	95.5	96.3
Mining of metal ores	109.3	102.3	98.6	92.9	100.5
Other mining and quarrying	113.5	118.4	97.9	98.1	104.4
<b>Manufacturing</b>	<b>101.5</b>	<b>99.6</b>	<b>99.2</b>	<b>99.0</b>	<b>102.8</b>
Manufacture of food products	91.8	94.3	91.7	97.9	100.3
Manufacture of beverages	116.1	126.8	105.4	97.8	102.1
Manufacture of tobacco products	100.5	81.4	89.9	97.5	93.3
Manufacture of textiles	84.7	72.2	96.3	89.1	103.0
Manufacture of wearing apparel	96.3	78.7	103.3	86.8	105.4
Manufacture of leather and related products	102.1	84.4	106.6	116.3	109.3
Manufacture of wood and of products of wood and cork, except furniture	102.3	113.4	99.6	101.7	104.4
Manufacture of paper and paper products	106.3	104.5	104.8	113.5	107.2
Printing and reproduction of recorded media	97.5	106.9	100.1	93.7	102.0
Manufacture of coke and refined petroleum products	113.0	123.7	100.7	114.4	106.3
Manufacture of chemicals and chemical products	94.6	93.8	103.0	95.7	103.1
Manufacture of basic pharmaceutical products and pharmaceutical preparations	102.7	52.3	91.8	53.3	94.0
Manufacture of rubber and plastic products	108.7	103.0	101.2	101.5	102.1
Manufacture of other non-metallic mineral products	120.4	125.6	103.0	110.2	108.0
Manufacture of basic metals	111.9	114.2	111.4	100.2	109.6
Manufacture of fabricated metal products, except machinery and equipment	98.8	109.9	99.8	113.4	104.0
Manufacture of computer, electronic and optical products	77.9	80.4	82.2	88.5	91.2
Manufacture of electrical equipment	93.1	88.3	93.6	80.3	94.5
Manufacture of machinery and equipment n.e.c.	99.0	114.4	105.5	107.3	110.4
Manufacture of motor vehicles, trailers and semi-trailers	68.7	60.1	104.2	78.6	100.4
Manufacture of other transport equipment	106.2	125.0	113.4	142.0	109.8
Manufacture of furniture	104.7	110.7	103.8	123.0	110.1
Other manufacturing	141.7	64.3	103.5	97.1	111.7
Repair and installation of machinery and equipment	133.5	114.1	116.1	108.5	119.7
<b>Electricity, gas, steam and air conditioning supply</b>	<b>90.9</b>	<b>86.6</b>	<b>103.1</b>	<b>89.0</b>	<b>105.1</b>
Electricity, gas, steam and air conditioning supply	90.9	86.6	103.1	89.0	105.1

<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 August 2018. 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 August 2018/2017 average, for total industrial production stands at 96.4 and for manufacturing 99.5.

## 2. Seasonally adjusted industrial production indices

Republic of Serbia

Ø2017=100

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>Industry total</b>												
2017	95.2	98.2	96.8	98.6	101.0	99.4	99.8	103.6	104.2	99.9	101.3	101.1
2018	106.2	101.5	102.2	100.5	101.3	104.3	100.4	99.1				
<b>Manufacturing</b>												
2017	94.9	97.9	99.7	98.7	100.5	98.6	99.4	102.8	103.3	99.7	101.6	101.2
2018	106.8	102.5	101.3	98.4	102.4	103.4	101.3	101.6				

### 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<sub>o</sub> – index of the physical volume of industrial production for divisions;

q<sub>1</sub> – quantity produced in the current period;

q<sub>0</sub> – quantity produced in the referent period;

k<sub>0</sub> – 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<sub>i</sub> – index of the physical volume of industrial production in a division;

W<sub>i</sub> – 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://www.stat.gov.rs/en-US/istrazivanja/methodology-and-documents/?a=06&s=0>. Time series of Industrial Production Indices are available on the SORS website, in the database <http://data.stat.gov.rs/?caller=0602&languageCode=en-US>.

### 3. Industrial production indices, by sectors, MIGs and divisions, 2018

AP Vojvodina

	Ø2017=100			VIII 2018	I-VIII 2018
	VII	VIII	I-VIII	VIII 2017	I-VIII 2017
<b>Industry total</b>	<b>97.5</b>	<b>94.8</b>	<b>96.1</b>	<b>98.9</b>	<b>102.3</b>
<b>Energy</b>	<b>108.9</b>	<b>118.3</b>	<b>99.9</b>	<b>111.5</b>	<b>105.0</b>
<b>Intermediate goods, except energy</b>	<b>100.9</b>	<b>98.8</b>	<b>103.8</b>	<b>99.4</b>	<b>105.0</b>
<b>Capital goods</b>	<b>118.6</b>	<b>100.2</b>	<b>110.7</b>	<b>113.1</b>	<b>115.7</b>
<b>Durable consumer goods</b>	<b>111.7</b>	<b>86.6</b>	<b>111.2</b>	<b>104.3</b>	<b>110.8</b>
<b>Non-durable consumer goods</b>	<b>84.0</b>	<b>79.3</b>	<b>85.8</b>	<b>87.2</b>	<b>95.3</b>
<b>Mining and quarrying</b>	<b>93.9</b>	<b>94.0</b>	<b>96.2</b>	<b>88.0</b>	<b>96.7</b>
Mining of coal and lignite	10.5	16.6	84.0	10.6	89.8
Extraction of crude petroleum and natural gas	98.9	98.2	96.6	95.8	96.2
Other mining and quarrying	184.1	196.1	124.6	179.4	148.7
<b>Manufacturing</b>	<b>97.9</b>	<b>95.1</b>	<b>96.2</b>	<b>99.2</b>	<b>102.4</b>
Manufacture of food products	75.4	86.5	81.2	100.7	96.1
Manufacture of beverages	116.5	128.1	104.0	97.6	99.0
Manufacture of tobacco products	35.4	72.0	58.5	96.6	69.2
Manufacture of textiles	82.6	80.4	102.1	95.3	108.0
Manufacture of wearing apparel	98.8	72.3	96.5	82.3	96.7
Manufacture of leather and related products	90.0	107.6	116.7	186.2	124.1
Manufacture of wood and of products of wood and cork, except furniture	97.8	99.6	98.7	90.4	103.9
Manufacture of paper and paper products	81.2	86.9	86.5	91.0	86.2
Printing and reproduction of recorded media	83.1	102.8	95.9	105.4	98.3
Manufacture of coke and refined petroleum products	113.5	124.6	101.1	115.7	106.6
Manufacture of chemicals and chemical products	80.1	81.5	102.3	88.5	98.1
Manufacture of basic pharmaceutical products and pharmaceutical preparations	104.2	50.4	92.7	51.4	94.7
Manufacture of rubber and plastic products	110.4	100.3	103.9	99.7	106.5
Manufacture of other non-metallic mineral products	115.4	119.0	100.2	108.2	105.4
Manufacture of basic metals	86.3	97.1	95.3	111.0	95.3
Manufacture of fabricated metal products, except machinery and equipment	112.9	108.1	118.2	122.3	124.9
Manufacture of computer, electronic and optical products	34.2	34.2	68.1	24.8	58.9
Manufacture of electrical equipment	95.2	73.8	94.6	77.6	95.5
Manufacture of machinery and equipment n.e.c.	106.2	112.7	107.0	112.9	109.5
Manufacture of motor vehicles, trailers and semi-trailers	127.9	103.5	148.1	102.9	156.7
Manufacture of other transport equipment	131.4	149.3	139.2	180.8	130.1
Manufacture of furniture	110.0	117.9	107.8	134.9	114.8
Other manufacturing	142.3	59.0	101.7	95.2	111.6
Repair and installation of machinery and equipment	129.0	110.1	116.6	103.0	117.5
<b>Electricity, gas, steam and air conditioning supply</b>	<b>38.5</b>	<b>37.0</b>	<b>78.7</b>	<b>83.5</b>	<b>97.2</b>
Electricity, gas, steam and air conditioning supply	38.5	37.0	78.7	83.5	97.2

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