

STATISTICAL RELEASE

IN10

Number 289 - Year LXIX, 31.10.2019.

SERB289 IN10 311019

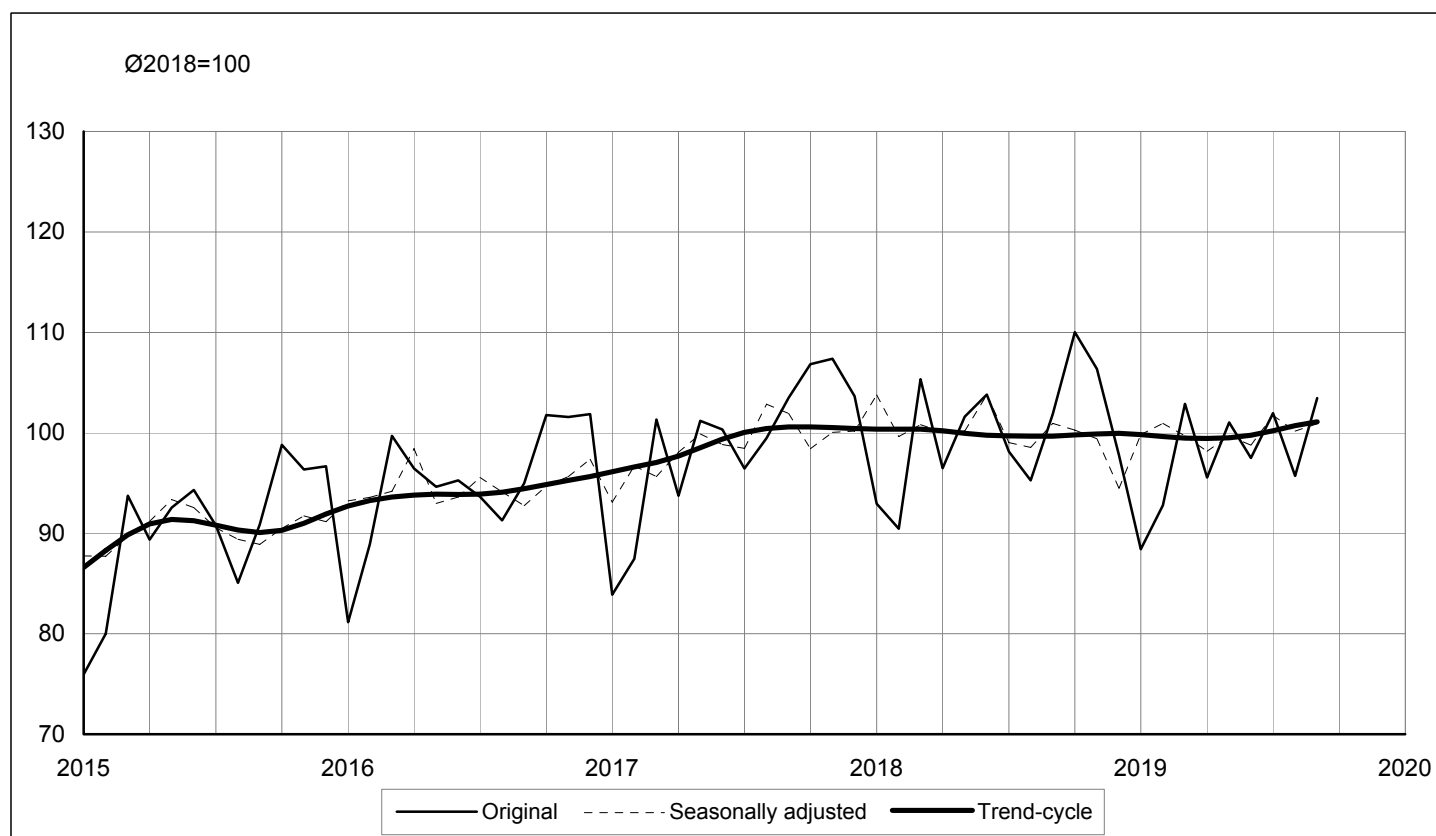
Industry statistics

Industrial production indices, September 2019 - Previous results -

Industrial production in the Republic of Serbia, in September 2019 was by 1.6% greater compared to September 2018 and was by 3.5% greater compared to 2018 average. Industrial production for January - September 2019, compared to the same period last year was by 0.7% lower.

Observed by sections, September 2019, compared to September 2018, in the mining and quarrying section increased by 1.6%, while the production in the manufacturing section increased by 1.7%, while the production in the section for electricity, gas, steam and air conditioning supply increased by 1.1%.

Industrial production, 2015 - 2019



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, 2019

Republic of Serbia

| | Ø2018=100 | | | IX 2019 | I-IX 2019 |
|--|--------------|--------------|--------------|--------------|--------------|
| | VIII | IX | I-IX | IX 2018 | I-IX 2018 |
| Industry total¹⁾ | 95.7 | 103.5 | 97.7 | 101.6 | 99.3 |
| Energy | 97.9 | 96.1 | 95.8 | 101.2 | 97.4 |
| Intermediate goods, except energy | 99.7 | 108.0 | 101.1 | 106.0 | 101.2 |
| Capital goods | 87.4 | 109.2 | 101.2 | 98.1 | 102.5 |
| Durable consumer goods | 100.4 | 105.7 | 96.8 | 100.9 | 97.9 |
| Non-durable consumer goods | 91.4 | 103.9 | 94.8 | 98.6 | 97.8 |
| Mining and quarrying | 106.7 | 106.0 | 98.4 | 101.6 | 101.1 |
| Mining of coal and lignite | 108.7 | 106.4 | 100.2 | 101.3 | 104.8 |
| Extraction of crude petroleum and natural gas | 98.0 | 94.5 | 96.6 | 94.5 | 96.7 |
| Mining of metal ores | 97.4 | 103.8 | 92.3 | 103.5 | 92.6 |
| Other mining and quarrying | 132.7 | 129.0 | 104.0 | 109.6 | 103.3 |
| Manufacturing | 96.4 | 107.6 | 97.2 | 101.7 | 99.0 |
| Manufacture of food products | 91.3 | 103.5 | 92.0 | 92.7 | 95.8 |
| Manufacture of beverages | 119.7 | 106.5 | 99.6 | 109.8 | 97.7 |
| Manufacture of tobacco products | 65.1 | 91.0 | 87.5 | 101.9 | 91.2 |
| Manufacture of textiles | 83.8 | 100.8 | 97.1 | 114.8 | 95.9 |
| Manufacture of wearing apparel | 74.4 | 103.4 | 93.3 | 106.1 | 93.4 |
| Manufacture of leather and related products | 72.9 | 95.8 | 99.3 | 107.4 | 100.1 |
| Manufacture of wood and of products of wood and cork, except furniture | 92.1 | 89.1 | 80.8 | 85.0 | 81.8 |
| Manufacture of paper and paper products | 104.9 | 110.6 | 106.6 | 110.6 | 108.2 |
| Printing and reproduction of recorded media | 95.1 | 103.3 | 92.4 | 97.1 | 92.8 |
| Manufacture of coke and refined petroleum products | 115.1 | 119.6 | 83.2 | 102.0 | 86.2 |
| Manufacture of chemicals and chemical products | 95.9 | 95.2 | 91.0 | 100.0 | 90.0 |
| Manufacture of basic pharmaceutical products and pharmaceutical preparations | 87.4 | 107.7 | 104.8 | 101.0 | 112.2 |
| Manufacture of rubber and plastic products | 99.6 | 111.0 | 105.0 | 105.6 | 104.5 |
| Manufacture of other non-metallic mineral products | 122.5 | 118.8 | 101.8 | 99.7 | 103.6 |
| Manufacture of basic metals | 78.5 | 112.2 | 104.9 | 125.1 | 105.4 |
| Manufacture of fabricated metal products, except machinery and equipment | 98.9 | 111.9 | 106.1 | 107.8 | 106.4 |
| Manufacture of computer, electronic and optical products | 89.4 | 105.5 | 103.4 | 99.7 | 102.9 |
| Manufacture of electrical equipment | 92.3 | 106.9 | 95.3 | 101.0 | 96.8 |
| Manufacture of machinery and equipment n.e.c. | 95.5 | 99.5 | 98.2 | 87.7 | 100.1 |
| Manufacture of motor vehicles, trailers and semi-trailers | 64.0 | 106.5 | 100.0 | 97.7 | 94.6 |
| Manufacture of other transport equipment | 136.5 | 125.5 | 135.9 | 120.1 | 133.6 |
| Manufacture of furniture | 111.3 | 112.7 | 101.2 | 110.5 | 103.7 |
| Other manufacturing | 91.3 | 131.4 | 112.0 | 122.1 | 125.4 |
| Repair and installation of machinery and equipment | 123.3 | 106.2 | 104.4 | 98.6 | 107.1 |
| Electricity, gas, steam and air conditioning supply | 87.9 | 83.7 | 99.8 | 101.1 | 100.0 |
| Electricity, gas, steam and air conditioning supply | 87.9 | 83.7 | 99.8 | 101.1 | 100.0 |

¹⁾ The estimate of the industrial production of small-sized enterprises that are not covered by regular statistical surveys of industry was made for september 2019. 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 september 2019/2018 average, for total industrial production stands at 102.7 and for manufacturing 106.6.

2. Seasonally adjusted industrial production indices

Republic of Serbia

Ø2018=100

| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| Industry total | | | | | | | | | | | | |
| 2018 | 103.8 | 99.6 | 100.8 | 100.1 | 100.2 | 103.8 | 99.0 | 98.6 | 100.9 | 100.3 | 99.4 | 94.5 |
| 2019 | 99.8 | 100.9 | 99.7 | 98.2 | 99.7 | 98.8 | 101.7 | 100.2 | 100.9 | | | |
| Manufacturing | | | | | | | | | | | | |
| 2018 | 101.6 | 100.3 | 100.4 | 98.7 | 100.6 | 102.8 | 99.4 | 100.1 | 101.4 | 101.1 | 99.6 | 94.2 |
| 2019 | 100.3 | 102.4 | 95.9 | 97.0 | 99.1 | 96.4 | 104.2 | 99.7 | 101.2 | | | |

Industrial production indices¹⁾

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.

¹⁾ Methodological explanations of Industrial Production Index could be found on the SORS website <http://www.stat.gov.rs/en-US/istrazivanje/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, 2019

AP Vojvodina

| | Ø2018=100 | | | IX 2019 IX 2018 | I-IX 2019 I-IX 2018 |
|--|--------------|--------------|--------------|--------------------|------------------------|
| | VIII | IX | I-IX | | |
| Industry total | 98.4 | 111.9 | 95.9 | 102.6 | 100.4 |
| Energy | 112.6 | 117.8 | 87.2 | 103.2 | 90.7 |
| Intermediate goods, except energy | 94.1 | 100.4 | 92.3 | 100.1 | 91.4 |
| Capital goods | 103.0 | 123.2 | 112.9 | 120.3 | 117.6 |
| Durable consumer goods | 88.8 | 96.5 | 106.9 | 97.9 | 101.6 |
| Non-durable consumer goods | 91.4 | 112.4 | 97.4 | 98.5 | 106.9 |
| Mining and quarrying | 91.1 | 98.7 | 95.0 | 95.4 | 96.1 |
| Mining of coal and lignite | 16.9 | 136.8 | 76.8 | 109.2 | 84.9 |
| Extraction of crude petroleum and natural gas | 97.7 | 94.4 | 96.2 | 94.3 | 96.2 |
| Other mining and quarrying | 99.8 | 121.8 | 110.0 | 83.8 | 120.2 |
| Manufacturing | 98.4 | 112.2 | 95.4 | 102.5 | 99.9 |
| Manufacture of food products | 91.4 | 118.9 | 95.0 | 98.8 | 106.0 |
| Manufacture of beverages | 118.0 | 98.6 | 102.1 | 100.6 | 99.5 |
| Manufacture of tobacco products | 55.2 | 55.3 | 74.6 | 58.8 | 102.5 |
| Manufacture of textiles | 91.0 | 108.6 | 100.7 | 114.6 | 97.8 |
| Manufacture of wearing apparel | 83.7 | 117.4 | 100.6 | 110.2 | 102.8 |
| Manufacture of leather and related products | 73.3 | 112.5 | 106.4 | 94.5 | 106.5 |
| Manufacture of wood and of products of wood and cork, except furniture | 90.2 | 86.1 | 80.5 | 86.5 | 76.7 |
| Manufacture of paper and paper products | 88.7 | 99.7 | 97.8 | 102.7 | 99.3 |
| Printing and reproduction of recorded media | 91.6 | 83.7 | 85.3 | 85.4 | 88.2 |
| Manufacture of coke and refined petroleum products | 115.5 | 120.3 | 83.4 | 102.6 | 86.4 |
| Manufacture of chemicals and chemical products | 78.2 | 82.0 | 65.8 | 93.3 | 63.4 |
| Manufacture of basic pharmaceutical products and pharmaceutical preparations | 88.6 | 107.8 | 104.8 | 101.4 | 113.1 |
| Manufacture of rubber and plastic products | 93.4 | 108.2 | 103.7 | 103.1 | 102.9 |
| Manufacture of other non-metallic mineral products | 119.2 | 116.3 | 98.9 | 98.1 | 99.1 |
| Manufacture of basic metals | 86.5 | 104.1 | 96.9 | 100.4 | 99.0 |
| Manufacture of fabricated metal products, except machinery and equipment | 87.2 | 102.5 | 103.8 | 107.2 | 104.8 |
| Manufacture of computer, electronic and optical products | 142.1 | 198.7 | 492.5 | 217.9 | 491.0 |
| Manufacture of electrical equipment | 120.3 | 129.8 | 111.4 | 132.9 | 110.4 |
| Manufacture of machinery and equipment n.e.c. | 114.3 | 117.6 | 109.6 | 121.2 | 111.0 |
| Manufacture of motor vehicles, trailers and semi-trailers | 88.4 | 115.4 | 106.0 | 113.4 | 104.3 |
| Manufacture of other transport equipment | 133.3 | 123.7 | 142.4 | 113.6 | 139.3 |
| Manufacture of furniture | 109.3 | 114.2 | 104.7 | 103.3 | 104.5 |
| Other manufacturing | 87.8 | 130.2 | 110.3 | 120.1 | 124.6 |
| Repair and installation of machinery and equipment | 93.1 | 82.9 | 86.5 | 82.7 | 88.8 |
| Electricity, gas, steam and air conditioning supply | 119.0 | 128.4 | 177.5 | 181.1 | 249.3 |
| Electricity, gas, steam and air conditioning supply | 119.0 | 128.4 | 177.5 | 181.1 | 249.3 |

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Published and printed by: Statistical Office of the Republic of Serbia, Belgrade, 5, Milana Rakica St

Phone: +381-11/2412-922 (operator) • Fax: 2411-260 • www.stat.gov.rs

Responsible: Dr Miladin Kovačević, Acting Director

Issued monthly