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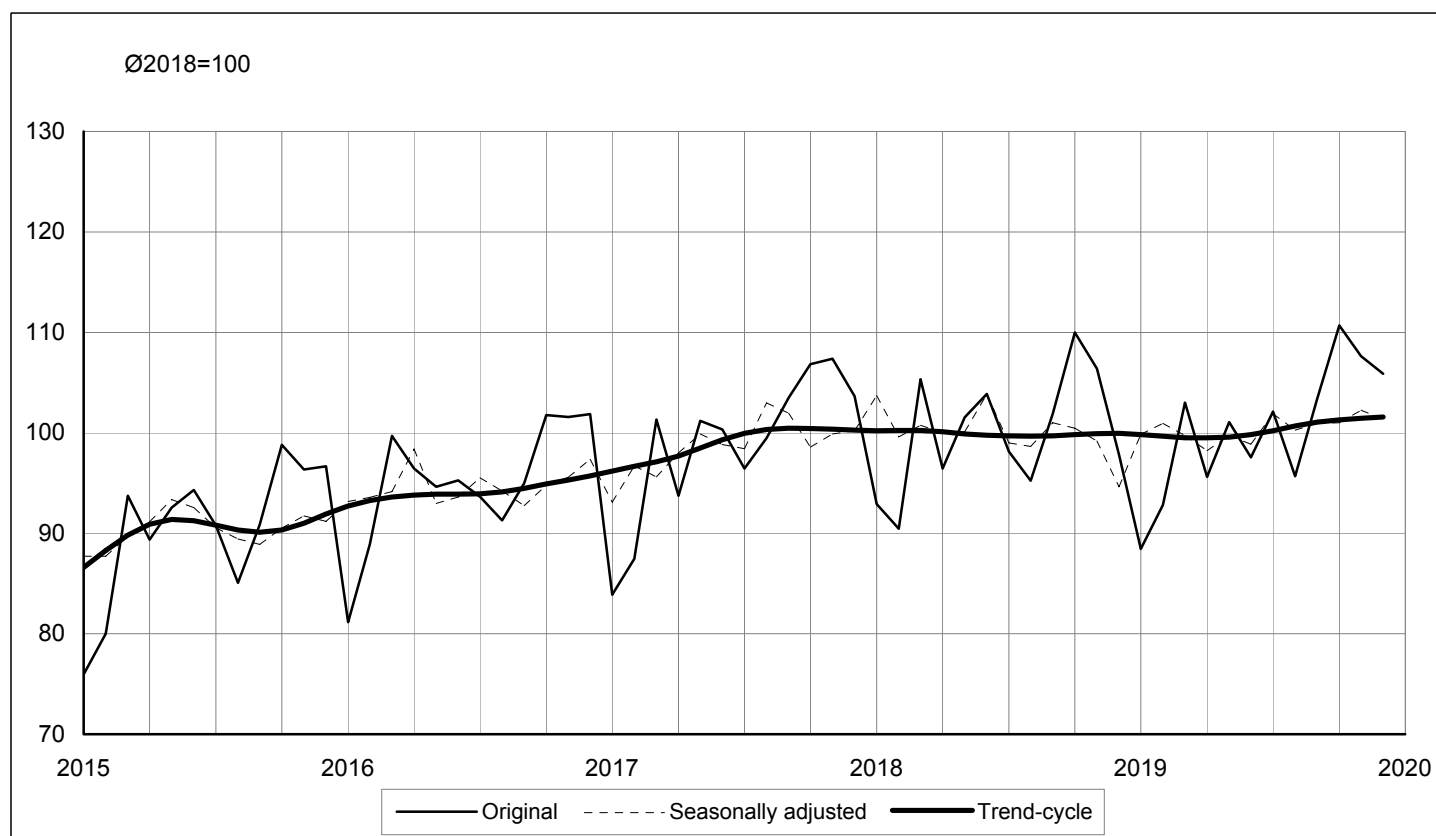
Industry statistics

Industrial production indices, December 2019 - Previous results -

Industrial production in the Republic of Serbia, in December 2019 was by 8.3% greater compared to December 2018 and was by 5.9% greater compared to 2018 average. Industrial production for January - December 2019, compared to the same period last year was by 0.3% greater.

Observed by sections, December 2019, compared to December 2018, in the mining and quarrying section increased by 9.6%, while the production in the manufacturing section increased by 8.3%, while the production in the section for electricity, gas, steam and air conditioning supply increased by 7.5%.

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			XII 2019 XII 2018	I-XII 2019 I-XII 2018
	XI	XII	I-XII		
Industry total¹⁾	107.6	105.9	100.3	108.3	100.3
Energy	105.5	111.6	98.3	105.0	98.3
Intermediate goods, except energy	105.7	100.0	102.7	113.3	102.7
Capital goods	120.2	116.7	105.3	124.9	105.3
Durable consumer goods	105.2	91.3	98.3	116.0	98.3
Non-durable consumer goods	107.6	103.9	98.3	101.5	98.3
Mining and quarrying	104.5	112.2	101.2	109.6	101.2
Mining of coal and lignite	107.8	112.1	102.9	99.8	102.9
Extraction of crude petroleum and natural gas	92.8	96.0	96.2	96.3	96.2
Mining of metal ores	97.7	122.6	96.5	139.3	96.5
Other mining and quarrying	118.0	110.8	109.2	165.1	109.2
Manufacturing	109.3	103.2	100.2	108.3	100.2
Manufacture of food products	105.4	97.6	95.8	100.3	95.8
Manufacture of beverages	91.2	97.5	97.1	93.7	97.1
Manufacture of tobacco products	101.3	124.6	94.3	111.6	94.3
Manufacture of textiles	116.4	90.8	99.4	111.4	99.4
Manufacture of wearing apparel	111.7	95.9	96.6	108.6	96.6
Manufacture of leather and related products	94.6	99.9	99.2	100.8	99.2
Manufacture of wood and of products of wood and cork, except furniture	93.8	82.5	83.4	88.5	83.4
Manufacture of paper and paper products	111.2	113.8	108.5	113.3	108.5
Printing and reproduction of recorded media	108.2	92.2	95.4	99.0	95.4
Manufacture of coke and refined petroleum products	115.8	104.4	90.4	103.3	90.4
Manufacture of chemicals and chemical products	104.0	91.8	93.7	102.0	93.7
Manufacture of basic pharmaceutical products and pharmaceutical preparations	128.9	133.6	111.2	104.9	111.2
Manufacture of rubber and plastic products	104.8	88.3	104.1	104.5	104.1
Manufacture of other non-metallic mineral products	106.2	82.4	102.6	103.0	102.6
Manufacture of basic metals	106.1	105.1	105.7	117.4	105.7
Manufacture of fabricated metal products, except machinery and equipment	124.4	115.7	109.5	128.6	109.5
Manufacture of computer, electronic and optical products	103.8	186.8	108.7	171.7	108.7
Manufacture of electrical equipment	114.6	95.4	100.0	108.7	100.0
Manufacture of machinery and equipment n.e.c.	108.5	139.4	103.3	138.4	103.3
Manufacture of motor vehicles, trailers and semi-trailers	97.2	72.2	99.0	144.7	99.0
Manufacture of other transport equipment	145.9	104.0	134.9	148.8	134.9
Manufacture of furniture	116.6	112.7	105.2	119.3	105.2
Other manufacturing	127.3	108.9	115.2	89.4	115.2
Repair and installation of machinery and equipment	118.1	118.6	108.2	105.4	108.2
Electricity, gas, steam and air conditioning supply	101.3	115.3	100.5	107.5	100.5
Electricity, gas, steam and air conditioning supply	101.3	115.3	100.5	107.5	100.5

¹⁾ The estimate of the industrial production of small-sized enterprises that are not covered by regular statistical surveys of industry was made for December 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 December 2019/2018 average, for total industrial production stands at 105.8 and for manufacturing 103.1.

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	103.7	99.6	100.8	100.0	100.1	103.8	99.0	98.6	101.0	100.5	99.2	94.6
2019	99.8	100.9	99.7	98.2	99.7	98.9	101.9	100.3	100.9	101.0	102.2	101.4
Manufacturing												
2018	101.6	100.2	100.3	98.7	100.6	103.0	99.4	100.2	101.6	100.8	99.1	94.7
2019	100.4	102.3	96.1	97.1	99.2	96.6	104.5	99.8	101.3	102.3	103.0	101.1

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			XII 2019	I-XII 2019
	XI	XII	I-XII	XII 2018	I-XII 2018
Industry total	117.6	107.2	100.9	103.7	100.9
Energy	118.5	109.2	93.9	103.9	93.9
Intermediate goods, except energy	102.9	92.3	94.6	108.1	94.6
Capital goods	135.4	117.2	116.5	113.8	116.5
Durable consumer goods	98.8	103.3	105.9	169.1	105.9
Non-durable consumer goods	120.9	111.7	103.5	97.1	103.5
Mining and quarrying	93.0	95.0	95.1	92.4	95.1
Mining of coal and lignite	105.7	99.8	84.2	73.1	84.2
Extraction of crude petroleum and natural gas	92.7	95.4	95.9	95.8	95.9
Other mining and quarrying	64.8	70.3	99.9	66.8	99.9
Manufacturing	117.1	106.2	100.4	103.4	100.4
Manufacture of food products	119.2	105.5	101.7	97.1	101.7
Manufacture of beverages	94.3	83.9	99.2	85.3	99.2
Manufacture of tobacco products	136.2	158.7	90.7	83.3	90.7
Manufacture of textiles	114.4	93.0	102.1	127.7	102.1
Manufacture of wearing apparel	135.7	100.6	105.3	119.2	105.3
Manufacture of leather and related products	88.0	79.8	103.7	84.9	103.7
Manufacture of wood and of products of wood and cork, except furniture	75.5	51.2	78.1	70.7	78.1
Manufacture of paper and paper products	106.0	96.5	100.0	106.4	100.0
Printing and reproduction of recorded media	92.2	83.5	86.7	84.5	86.7
Manufacture of coke and refined petroleum products	115.8	104.2	90.5	102.6	90.5
Manufacture of chemicals and chemical products	87.0	77.3	70.5	85.8	70.5
Manufacture of basic pharmaceutical products and pharmaceutical preparations	131.1	135.5	111.8	103.8	111.8
Manufacture of rubber and plastic products	104.1	82.3	102.3	101.5	102.3
Manufacture of other non-metallic mineral products	107.5	81.6	100.2	105.2	100.2
Manufacture of basic metals	104.8	113.4	100.3	109.6	100.3
Manufacture of fabricated metal products, except machinery and equipment	155.9	125.9	111.7	158.8	111.7
Manufacture of computer, electronic and optical products	126.9	1196.5	482.9	1951.9	482.9
Manufacture of electrical equipment	158.7	144.5	121.3	159.1	121.3
Manufacture of machinery and equipment n.e.c.	115.7	121.9	112.0	117.7	112.0
Manufacture of motor vehicles, trailers and semi-trailers	112.6	89.6	106.7	124.8	106.7
Manufacture of other transport equipment	153.6	91.9	139.1	165.0	139.1
Manufacture of furniture	96.0	128.9	107.9	120.8	107.9
Other manufacturing	129.8	111.6	114.7	87.7	114.7
Repair and installation of machinery and equipment	121.7	115.2	94.5	108.5	94.5
Electricity, gas, steam and air conditioning supply	315.1	329.9	199.1	144.1	199.1
Electricity, gas, steam and air conditioning supply	315.1	329.9	199.1	144.1	199.1

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