

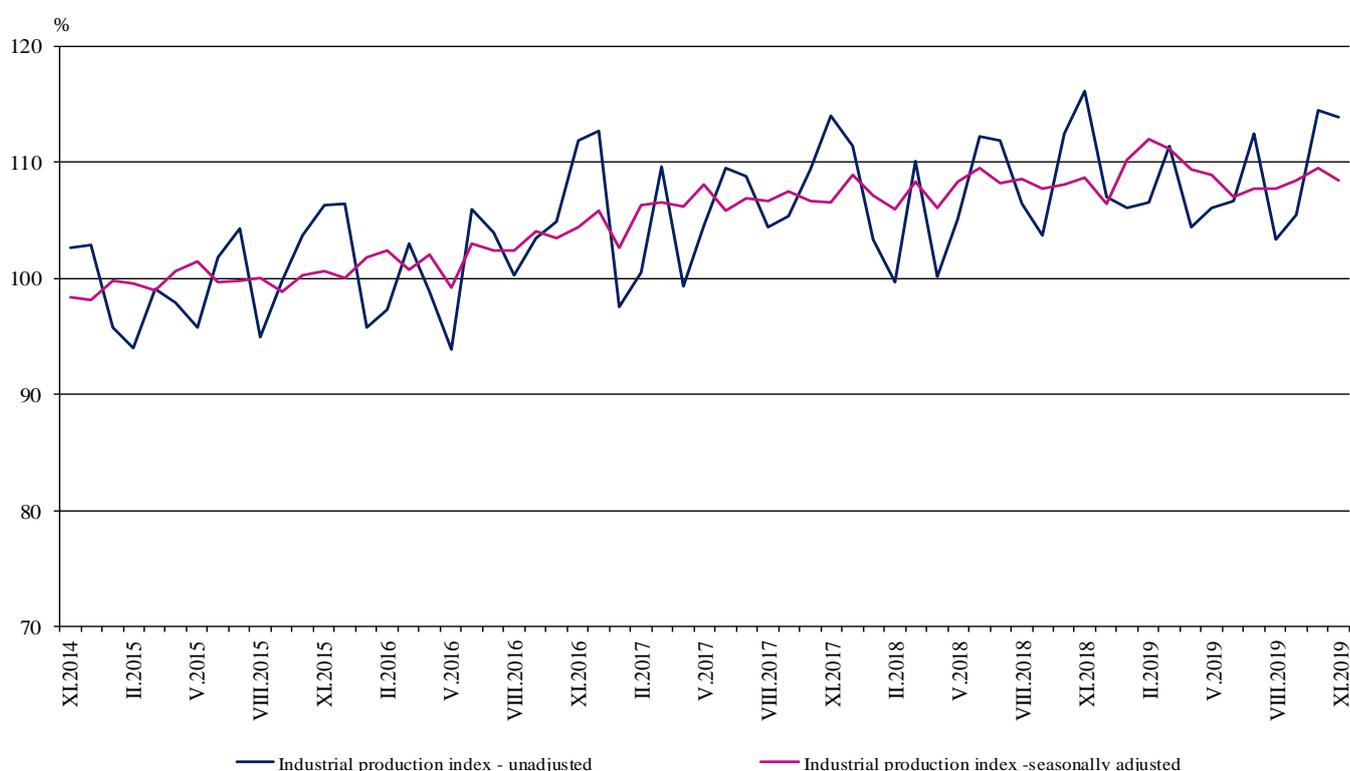


INDUSTRIAL PRODUCTION INDICES IN NOVEMBER 2019¹

According to the preliminary data in November 2019 the Industrial Production Index², seasonally adjusted³, fell by 1.0% as compared to October 2019.

In November 2019 the working day adjusted⁴ Industrial Production Index decreased by 0.4% in comparison with the same month of 2018.

Figure 1. Industrial Production Indices (2015 = 100)



¹ November 2019 data are preliminary. The final data on Industrial Production and Turnover Indices for October 2019 can be found on the NSI website: <http://www.nsi.bg/en>.

² Monthly Industrial Production and Industrial turnover indices measure changes in production and turnover values of industrial enterprises. This information can be used to assess the current economic development and for short-term forecasts. Indices do not measure the actual production level, it aims to measure the average change in value of production between two points of time. Indices are compiled on the base of information collected through representative sampling survey on industrial enterprises. The sample covers enterprises with annual turnover more than 97% of total turnover in industry.

Industrial production indices are calculated at constant base year that is to say they are weighted with the structure of the value added at factor costs in the base year.

³ Seasonal adjustment is a statistical method, which eliminates the seasonal component of time series.

⁴ Working day adjustment is an adjustment for variations caused by calendar effects, different number of calendar and working days in the months, national holidays and outliers (for example the presence of more non-working days in May could contribute to the decline in the production in some activities).

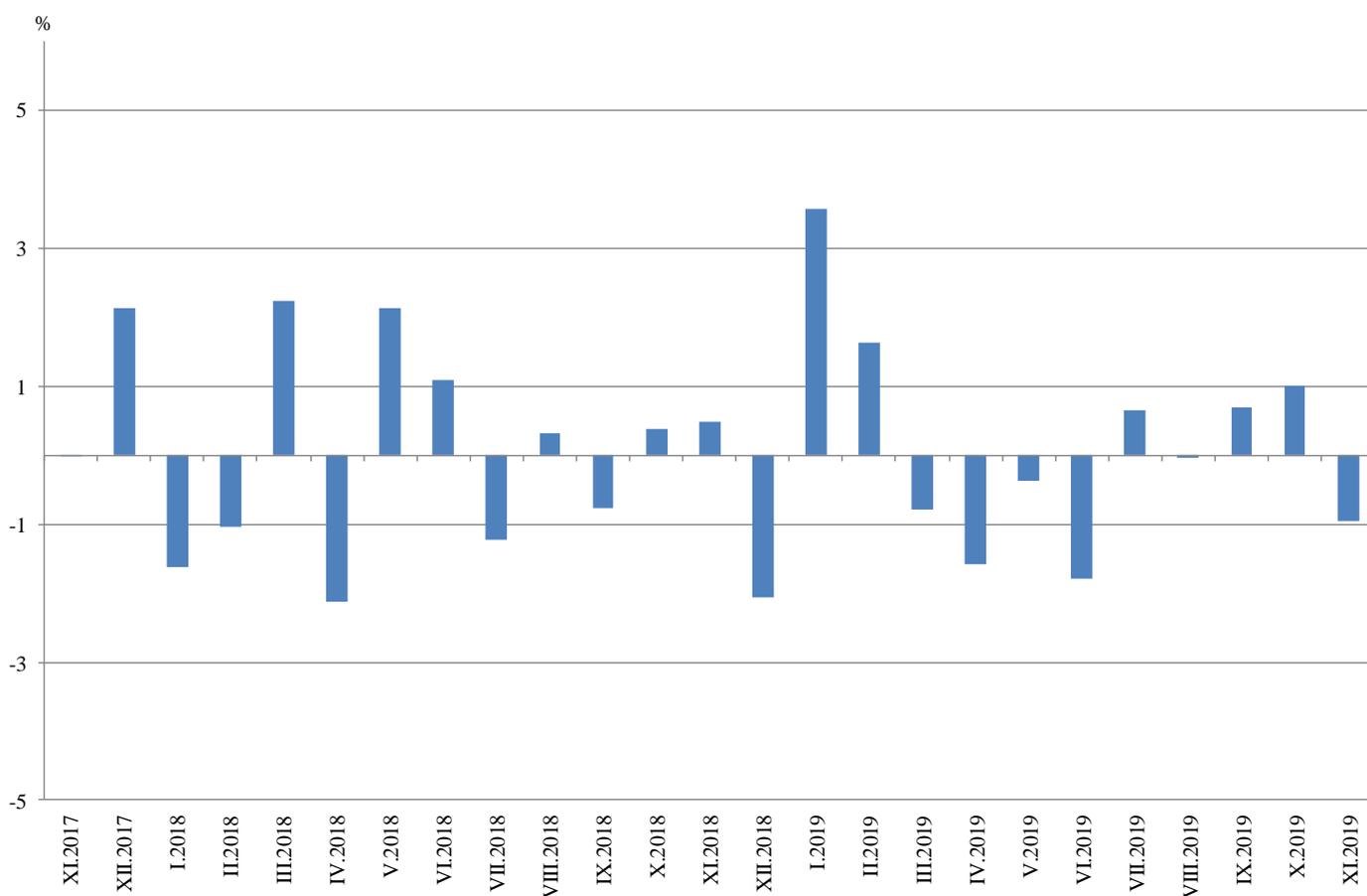


Monthly changes

In November 2019 as compared to October 2019, the seasonally adjusted Industrial Production Index went down in the mining and quarrying industry by 3.8%, in the electricity, gas, steam and air conditioning supply by 0.5% and in the manufacturing by 0.3%.

The most significant production decreases in the manufacturing were registered in the repair and installation of machinery and equipment by 11.7%, in the manufacture of beverages by 5.1%, in the manufacture of chemicals and chemical products by 4.8%, in the manufacture of food products by 4.5%. Important increases were seen in the other manufacturing by 16.6%, in the manufacture of basic pharmaceutical products and pharmaceutical preparations by 10.7%, in the manufacture of leather and related products by 9.3%, in the printing and reproduction of recorded media by 8.7%.

**Figure 2. Changes of Industrial Production Indices compared to the previous month
(Seasonally adjusted)**

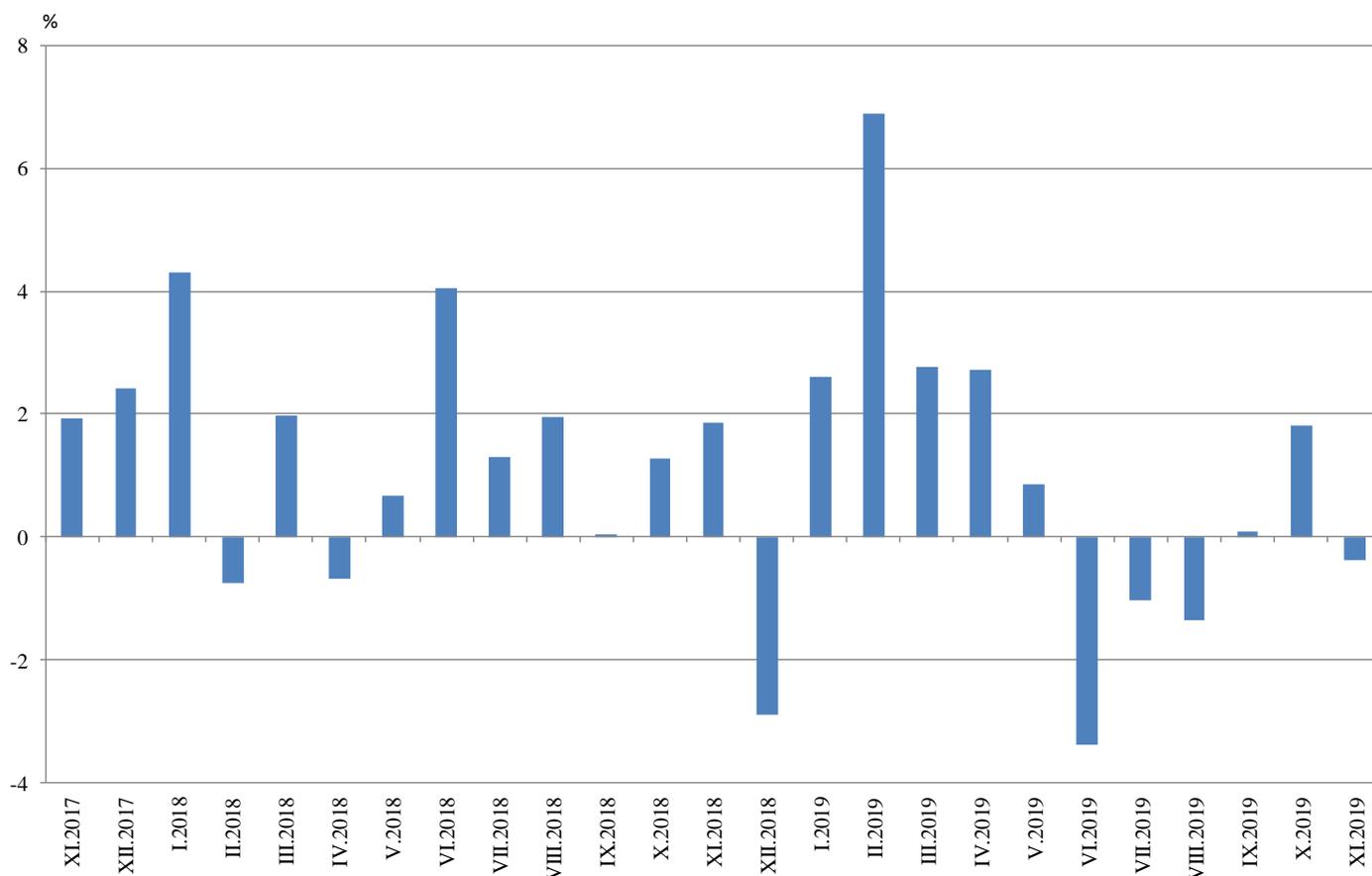


Annual changes

On annual basis in November 2019 Industrial Production Index calculated from working day adjusted data rose in the mining and quarrying industry by 1.4% and in the manufacturing by 1.4%, while the production fell in the electricity, gas, steam and air conditioning supply by 9.6%.

In the manufacturing, the more considerable increases compared to the same month of the previous year were registered in the other manufacturing by 33.2%, in the printing and reproduction of recorded media by 21.5%, in the manufacture of other transport equipment by 15.9%, in the manufacture of leather and related products by 14.8%. Major decreases were seen in the manufacture of tobacco products by 14.8%, in the manufacture of fabricated metal products, except machinery and equipment by 8.4%, in the manufacture of wearing apparel by 8.2%, in the repair and installation of machinery and equipment by 7.9%.

**Figure 3. Changes of Industrial Production Indices compared to the same month of the previous year
(Working day adjusted)**



Annex

Changes of Industrial Production Indices compared to the previous month¹

Table 1

(Per cent)

Economic activities	NACE.BG - 2008	2019					
		VI	VII	VIII	IX	X	XI*
Industry	B_TO_E36	-1.8	0.7	0.0	0.7	1.0	-1.0
Mining and quarrying	B	-12.3	7.1	-6.3	13.0	0.8	-3.8
Mining of coal and lignite	B05	-19.8	4.8	-1.8	11.6	-11.1	-6.5
Extraction of crude petroleum and natural gas	B06	..	..	..	..	..	..
Mining of metal ores	B07	-2.7	6.6	-14.9	22.5	8.4	-6.1
Other mining and quarrying	B08	-10.1	11.9	-3.1	5.1	1.1	0.9
Mining support service activities	B09	..	..	..	..	..	..
Manufacturing	C	-1.2	-0.1	0.7	0.2	1.9	-0.3
Manufacture of food products	C10	-3.0	1.2	2.6	-2.7	6.2	-4.5
Manufacture of beverages	C11	2.0	-1.3	3.3	-0.8	2.3	-5.1
Manufacture of tobacco products	C12	-33.4	35.7	-19.5	18.7	-2.5	4.5
Manufacture of textiles	C13	11.5	-6.8	-0.5	9.2	-2.5	1.5
Manufacture of wearing apparel	C14	-2.4	2.0	-2.4	3.1	-1.2	-1.0
Manufacture of leather and related products	C15	-14.8	-5.6	-5.6	8.5	7.2	9.3
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	C16	-8.8	5.4	-4.6	9.1	-1.5	0.6
Manufacture of paper and paper products	C17	-5.0	1.9	-3.1	-0.6	2.1	-1.8
Printing and reproduction of recorded media	C18	-6.7	-0.2	-5.0	-1.5	1.7	8.7
Manufacture of coke and refined petroleum products	C19	..	..	..	..	..	..
Manufacture of chemicals and chemical products	C20	-5.1	1.9	-6.9	3.8	3.7	-4.8
Manufacture of basic pharmaceutical products and pharmaceutical preparations	C21	0.5	7.3	-12.2	-3.3	2.6	10.7
Manufacture of rubber and plastic products	C22	-0.6	-1.1	0.7	-0.6	3.5	3.1
Manufacture of other non-metallic mineral products	C23	-0.3	0.2	-0.5	2.2	1.4	0.8
Manufacture of basic metals	C24	-1.1	5.7	2.7	2.3	3.3	-0.4
Manufacture of fabricated metal products, except machinery and equipment	C25	3.3	-1.5	6.8	-8.5	4.5	-3.1
Manufacture of computer, electronic and optical products	C26	10.1	-2.9	8.8	-5.3	-0.7	1.1
Manufacture of electrical equipment	C27	-2.2	-0.6	5.2	-3.0	-3.2	3.3
Manufacture of machinery and equipment n.e.c.	C28	-2.9	-2.5	-4.6	4.8	3.3	-4.1
Manufacture of motor vehicles, trailers and semi-trailers	C29	-6.1	2.4	0.9	1.9	-0.7	-1.2
Manufacture of other transport equipment	C30	-7.8	11.8	5.6	-4.9	5.1	8.3
Manufacture of furniture	C31	1.6	0.1	-4.0	-2.6	0.9	0.6
Other manufacturing	C32	3.5	11.0	-29.1	9.6	19.4	16.6
Repair and installation of machinery and equipment	C33	8.8	-12.6	5.1	0.2	1.2	-11.7
Electricity, gas, steam and air conditioning supply	D	-1.7	1.1	-0.5	-1.3	-4.1	-0.5
Electricity, gas, steam and air conditioning supply	D35	-1.7	1.1	-0.5	-1.3	-4.1	-0.5

¹ Seasonally adjusted

* Preliminary data

„...“ - Confidential data



Table 2
Changes of Industrial Production Indices compared to the same month of the previous year¹
(Per cent)

Economic activities	NACE.BG - 2008	2019					
		VI	VII	VIII	IX	X	XI*
Industry	B_TO_E36	-3.4	-1.0	-1.4	0.1	1.8	-0.4
Mining and quarrying	B	-19.8	4.7	-1.1	7.9	9.4	1.4
Mining of coal and lignite	B05	-33.5	-5.8	-3.9	22.0	-11.8	-15.7
Extraction of crude petroleum and natural gas	B06	..	..	..	..	..	..
Mining of metal ores	B07	-19.5	5.1	-2.9	0.9	29.3	10.5
Other mining and quarrying	B08	-12.9	15.6	3.6	-1.0	9.7	11.7
Mining support service activities	B09	..	..	..	..	..	..
Manufacturing	C	-1.5	-1.3	-0.9	-0.1	2.6	1.4
Manufacture of food products	C10	2.7	3.4	6.8	3.9	13.2	7.6
Manufacture of beverages	C11	0.6	4.6	7.2	-0.6	5.7	-5.9
Manufacture of tobacco products	C12	-47.9	-1.1	-24.6	-4.5	-28.1	-14.8
Manufacture of textiles	C13	7.2	-6.9	-9.6	6.7	1.0	3.0
Manufacture of wearing apparel	C14	-10.6	-8.3	-11.8	-4.9	-2.4	-8.2
Manufacture of leather and related products	C15	-9.2	-4.5	-9.5	1.0	2.2	14.8
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	C16	-9.3	-1.4	-5.0	0.0	1.8	3.5
Manufacture of paper and paper products	C17	-9.5	-4.5	-5.1	-7.1	-8.4	-4.9
Printing and reproduction of recorded media	C18	15.5	18.3	6.7	8.4	5.7	21.5
Manufacture of coke and refined petroleum products	C19	..	..	..	..	..	..
Manufacture of chemicals and chemical products	C20	-2.6	3.1	-8.7	3.0	-5.8	6.6
Manufacture of basic pharmaceutical products and pharmaceutical preparations	C21	4.5	13.7	-3.0	-19.3	-7.2	3.2
Manufacture of rubber and plastic products	C22	1.0	-2.4	4.5	-0.7	2.3	3.4
Manufacture of other non-metallic mineral products	C23	0.0	3.5	-0.9	5.1	-0.4	0.9
Manufacture of basic metals	C24	-20.6	-5.1	-10.4	-8.2	17.9	0.4
Manufacture of fabricated metal products, except machinery and equipment	C25	-3.9	-19.7	-5.3	3.6	-0.9	-8.4
Manufacture of computer, electronic and optical products	C26	10.9	5.0	14.3	3.1	4.9	12.6
Manufacture of electrical equipment	C27	5.3	7.4	4.7	6.0	0.0	1.6
Manufacture of machinery and equipment n.e.c.	C28	2.7	1.0	-5.9	-3.6	-2.0	-6.6
Manufacture of motor vehicles, trailers and semi-trailers	C29	-3.2	5.1	5.5	5.5	2.7	-1.9
Manufacture of other transport equipment	C30	-0.8	25.8	51.8	25.7	5.7	15.9
Manufacture of furniture	C31	-2.9	-2.6	-2.1	-8.1	-5.5	-5.2
Other manufacturing	C32	8.9	29.4	-9.5	-0.1	36.5	33.2
Repair and installation of machinery and equipment	C33	3.6	-3.9	-10.4	-3.9	2.0	-7.9
Electricity, gas, steam and air conditioning supply	D	-5.2	-2.9	-4.5	-3.8	-6.8	-9.6
Electricity, gas, steam and air conditioning supply	D35	-5.2	-2.9	-4.5	-3.8	-6.8	-9.6

¹ Working day adjusted

* Preliminary data

„...“ - Confidential data

Table 3

Industrial Production Indices
(Seasonally adjusted, 2015 = 100)

NACE.BG - 2008	2018		2019										
	XI	XII	I	II	III	IV	V	VI	VII	VIII	IX	X	XI*
B_TO_E36	108.6	106.4	110.2	112.0	111.1	109.4	109.0	107.0	107.7	107.7	108.4	109.5	108.5
B	101.0	103.7	116.8	111.1	100.1	97.2	106.1	93.1	99.6	93.4	105.5	106.4	102.3
B05	86.4	97.5	113.0	98.9	91.2	79.4	94.7	76.0	79.6	78.1	87.2	77.5	72.4
B06	..	..	..	..	..	..	..	..	..	..	..	..	..
B07	121.3	117.4	119.3	117.4	105.9	112.8	116.1	113.0	120.4	102.4	125.4	135.9	127.7
B08	95.7	85.9	119.4	119.2	111.6	101.4	102.1	91.7	102.6	99.5	104.5	105.6	106.6
B09	..	..	..	..	..	..	..	..	..	..	..	..	..
C	114.2	111.6	116.9	119.5	117.6	115.4	114.5	113.1	113.0	113.7	113.9	116.1	115.8
C10	101.1	104.6	117.0	109.7	106.6	107.5	109.6	106.3	107.5	110.3	107.3	114.0	108.8
C11	107.9	100.0	108.3	109.6	104.9	102.6	102.6	104.6	103.2	106.7	105.8	108.2	102.7
C12	60.8	59.0	41.2	40.9	43.9	52.5	58.0	38.6	52.4	42.1	50.0	48.8	51.0
C13	99.4	103.7	110.7	95.8	94.7	85.9	89.3	99.7	92.9	92.5	100.9	98.4	99.9
C14	90.2	82.9	88.0	86.4	88.8	84.7	84.4	82.3	83.9	81.9	84.5	83.4	82.6
C15	97.3	86.7	92.4	97.4	96.7	93.8	110.1	93.7	88.5	83.5	90.6	97.1	106.1
C16	75.7	78.5	79.7	80.7	80.8	75.8	78.8	71.9	75.7	72.2	78.8	77.6	78.1
C17	100.5	100.3	106.8	100.8	100.6	101.6	103.1	97.9	99.8	96.7	96.1	98.2	96.4
C18	102.9	101.3	110.1	119.9	118.7	123.1	129.6	120.9	120.7	114.6	112.9	114.9	124.9
C19	..	..	..	..	..	..	..	..	..	..	..	..	..
C20	105.1	115.5	118.7	119.2	122.8	115.0	121.8	115.5	117.7	109.6	113.7	118.0	112.2
C21	121.8	124.9	115.4	115.3	118.9	116.0	118.0	118.6	127.2	111.7	108.0	110.9	122.8
C22	138.4	140.6	139.1	142.6	143.7	137.6	134.5	133.7	132.3	133.1	132.4	137.1	141.3
C23	112.4	115.2	121.1	119.9	119.5	108.4	108.5	108.2	108.4	107.8	110.2	111.8	112.7
C24	111.0	117.2	114.7	115.2	112.0	105.9	97.7	96.6	102.1	104.9	107.3	110.8	110.4
C25	126.6	94.0	120.9	142.1	122.6	117.3	116.0	119.8	118.1	126.1	115.4	120.6	116.8
C26	141.0	138.8	143.8	154.2	144.6	150.0	143.7	158.2	153.7	167.3	158.5	157.4	159.1
C27	125.2	120.6	127.6	131.3	129.4	133.5	128.8	125.9	125.2	131.7	127.8	123.8	127.9
C28	124.6	122.4	128.3	123.2	125.8	127.3	124.5	120.9	117.9	112.6	117.9	121.8	116.8
C29	148.6	111.8	141.7	147.6	147.2	152.3	151.5	142.3	145.8	147.1	149.9	148.8	147.1
C30	160.4	121.7	156.2	170.4	164.8	158.3	152.8	140.9	157.5	166.2	158.1	166.2	180.0
C31	107.8	105.3	107.0	109.0	106.1	98.9	105.9	107.6	107.6	103.3	100.7	101.6	102.3
C32	141.7	145.0	160.0	161.6	151.2	135.5	148.4	153.5	170.4	120.8	132.4	158.0	184.3
C33	121.0	129.6	143.5	147.8	127.8	139.3	127.4	138.6	121.1	127.2	127.5	129.0	113.9
D	90.1	90.6	91.3	89.9	91.0	88.1	89.3	87.8	88.7	88.2	87.1	83.5	83.1
D35	90.1	90.6	91.3	89.9	91.0	88.1	89.3	87.8	88.7	88.2	87.1	83.5	83.1

* Preliminary data

„..“ - Confidential data

Table 4

**Industrial Production Indices
(Working day adjusted, 2015 = 100)**

NACE.BG - 2008	2016	2017	2018		2019										
	XI	XI	XI	XII	I	II	III	IV	V	VI	VII	VIII	IX	X	XI*
B_TO_E36	110.9	113.0	115.1	110.3	105.1	106.6	113.9	104.1	105.5	109.1	111.0	103.6	107.1	113.1	114.7
B	119.6	111.4	109.4	111.6	114.1	104.8	93.9	88.5	99.4	89.4	98.3	91.1	109.9	120.7	110.9
B05	121.0	93.0	99.6	116.0	128.9	99.9	80.0	57.6	80.3	56.9	70.7	72.6	91.6	99.2	84.0
B06	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B07	123.7	125.2	121.3	117.4	119.3	117.4	105.9	112.8	116.1	113.0	120.4	102.4	125.4	144.0	134.1
B08	98.4	107.8	107.2	86.5	76.1	91.3	101.0	101.1	107.6	100.0	111.7	107.5	115.1	121.5	119.7
B09	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
C	112.6	118.2	121.3	109.7	102.4	109.1	120.3	112.4	114.3	119.8	119.4	109.9	114.5	122.3	123.0
C10	109.9	112.6	108.0	109.2	99.2	94.9	104.8	102.7	107.9	109.2	109.0	113.7	115.0	125.6	116.3
C11	95.1	82.4	96.8	101.4	67.1	76.4	99.2	102.0	110.9	128.3	127.5	135.7	117.0	98.1	91.1
C12	82.2	62.6	65.9	63.4	19.0	18.5	40.5	47.4	67.6	41.3	56.9	35.0	48.7	57.0	56.1
C13	105.0	107.3	102.1	88.6	95.4	92.4	107.0	92.1	99.1	111.1	97.6	73.2	97.6	101.6	105.2
C14	92.7	99.3	91.1	80.8	91.3	84.4	88.9	76.7	76.9	88.4	97.8	79.2	83.1	82.9	83.7
C15	101.9	93.4	100.1	79.7	92.2	96.9	101.1	85.8	97.7	98.4	102.8	75.4	95.3	100.9	115.0
C16	94.1	91.5	81.9	73.5	64.2	70.5	79.8	74.6	79.7	76.9	81.9	71.7	83.0	85.6	84.8
C17	111.3	104.4	101.3	93.6	102.0	94.9	103.9	99.3	106.2	100.0	101.9	94.7	94.5	102.7	96.3
C18	121.4	112.8	116.0	109.2	98.9	111.8	121.8	120.0	129.9	123.5	119.8	106.7	109.7	120.8	140.9
C19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
C20	111.2	125.8	106.8	112.3	109.8	111.1	132.3	117.6	121.8	119.4	120.5	105.6	113.6	120.0	113.9
C21	105.2	119.6	130.2	132.2	109.5	111.5	124.9	110.5	114.5	121.7	128.6	99.2	107.2	107.8	134.4
C22	119.6	128.1	144.9	120.7	122.7	129.8	148.1	137.0	136.0	142.7	140.5	126.5	135.0	150.9	149.8
C23	103.7	113.2	121.1	101.4	86.4	94.4	120.8	109.5	117.2	117.7	117.3	113.0	118.6	125.8	122.1
C24	114.0	127.1	119.9	113.7	107.6	110.3	120.9	106.9	92.2	89.5	116.0	99.2	96.2	122.7	120.4
C25	145.4	146.4	139.5	107.8	87.7	126.4	123.8	114.7	111.7	128.6	125.9	126.0	117.4	123.2	127.7
C26	125.4	144.6	148.7	144.6	133.6	144.5	154.7	148.4	138.8	168.6	157.3	150.0	154.3	165.5	167.4
C27	111.4	116.9	137.5	107.7	117.7	125.0	135.1	132.4	127.9	132.9	126.7	118.6	129.7	134.4	139.8
C28	117.7	128.9	134.2	118.3	114.8	117.7	132.9	129.2	124.4	128.8	123.1	97.4	115.5	127.4	125.4
C29	121.8	135.9	159.4	100.4	139.9	148.3	155.3	153.4	155.3	144.6	141.7	124.1	150.8	158.9	156.4
C30	78.5	115.5	165.9	108.8	147.1	177.6	193.2	167.0	168.4	142.1	145.5	135.6	133.4	162.7	192.3
C31	123.2	111.1	117.9	107.0	91.6	97.7	106.9	95.3	106.4	110.0	111.3	101.3	103.1	109.5	111.7
C32	140.9	145.5	150.2	129.3	142.5	142.4	153.6	130.9	147.2	174.4	170.8	119.5	137.3	175.0	200.0
C33	111.1	124.4	138.1	176.3	101.6	125.8	123.9	124.9	119.3	142.9	122.8	124.3	133.1	133.5	127.2
D	103.1	98.3	94.9	112.4	114.2	98.9	99.5	78.6	73.3	75.8	82.0	81.2	76.1	74.2	85.8
D35	103.1	98.3	94.9	112.4	114.2	98.9	99.5	78.6	73.3	75.8	82.0	81.2	76.1	74.2	85.8

* Preliminary data
 „...“ - Confidential data