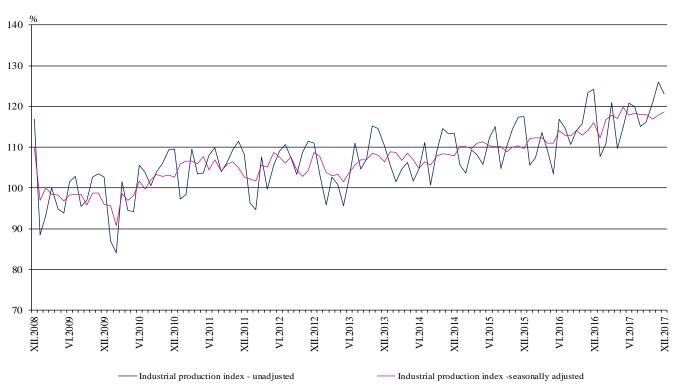


#### **INDUSTRIAL PRODUCTION INDICES IN DECEMBER 2017<sup>1</sup>**

According to the preliminary data the Industrial Production Index<sup>2</sup>, seasonally adjusted<sup>3</sup>, increased by 0.7% in December 2017 as compared to November 2017.

In December 2017 working day adjusted<sup>4</sup> Industrial Production Index rose by 2.0% in comparison with the same month of 2016.



#### **Figure 1. Industrial Production Indices (2010 = 100)**

<sup>&</sup>lt;sup>1</sup> December 2017 data are preliminary. The final data on Industrial Production and Turnover Indices for November 2017 can be found on the NSI website: <u>http://www.nsi.bg/en</u>.

<sup>&</sup>lt;sup>2</sup> Monthly Industrial Production and Industrial turnover indices measure changes in production and turnover values of industrial enterprises. This information can be used to access 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.

<sup>&</sup>lt;sup>3</sup> Seasonal adjustment is a statistical method, which eliminates the seasonal component of time series.

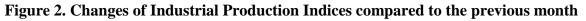
<sup>&</sup>lt;sup>4</sup> Working day adjustment is an adjustment for variations caused by calendar effects, different number of calendar and working days in the months, national holydays and outliers (for example the presence of more non-working days in May could contribute to the decline in the production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

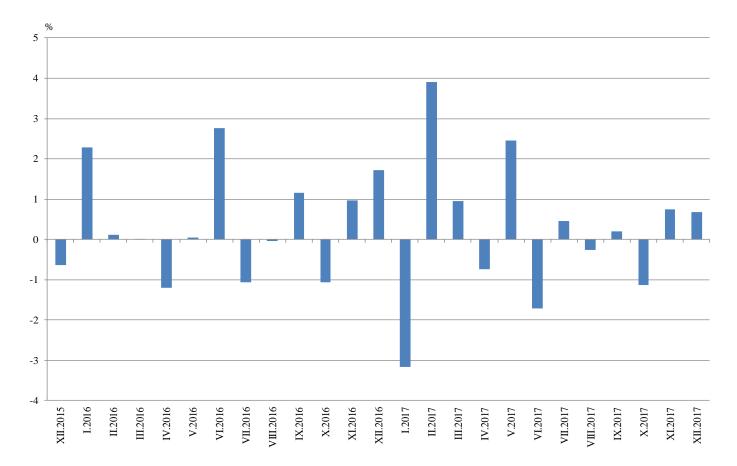


#### Monthly comparisons

In December 2017 as compared to November 2017, the seasonally adjusted Industrial Production Index rose in the manufacturing by 1.5% and in the mining and quarrying industry by 0.7%, while the electricity, gas, steam and air conditioning supply decreased by 0.2%.

The most significant production increases in the manufacturing were registered in the manufacture of furniture by 9.9%, in the repair and installation of machinery and equipment by 9.0%, in the manufacture of leather and related products by 7.7%, in the manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials by 4.7%. There were decreases in the manufacture of other transport equipment by 20.5%, in the manufacture of tobacco products by 10.9%, in the manufacture of paper and paper products by 6.6%, in the manufacture of computer, electronic and optical products by 5.4%.





#### (Seasonaly adjusted)

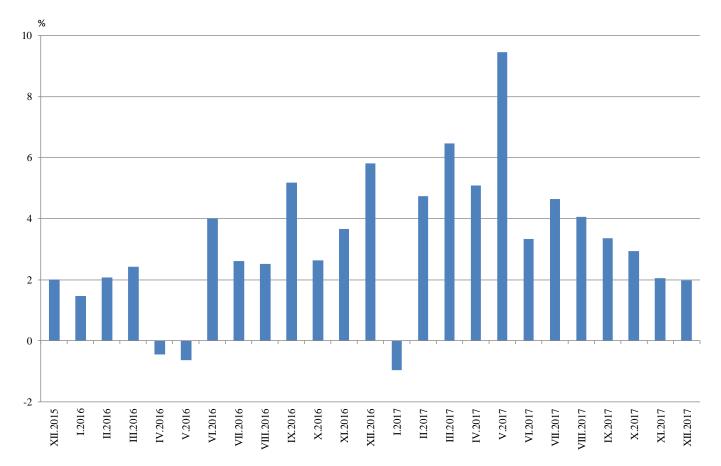


#### **Annual comparisons**

On annual basis in December 2017 Industrial Production Index calculated from working day adjusted data rose in the manufacturing by 5.2%, while the production fell in the mining and quarrying industry by 5.2% and in the electricity, gas, steam and air conditioning supply by 5.1%.

In the manufacturing, the more considerable increases compared to the same month of the previous year were registered in the manufacture of basic metals by 26.0%, in the manufacture of chemicals and chemical products by 24.2%, in the manufacture of basic pharmaceutical products and pharmaceutical preparations by 19.4%, in the manufacture of computer, electronic and optical products by 16.3%. Decreases were seen in the manufacture of tobacco products by 35.8%, in the manufacture of fabricated metal products, except machinery and equipment by 12.7%, in the manufacture of paper and paper products by 8.6%, in the manufacture of beverages by 6.1%.

#### Figure 3. Changes of Industrial Production Indices compared to the same month of the previous year



#### (Working day adjusted)



#### Annex

#### Table 1

## Changes of Industrial Production Indices compared to the previous month<sup>1,2</sup>

				201		(P	er cent)	
Economic activities	NACE.BG -	I	<u> </u>					
	2008	VII	VIII	IX	Χ	XI	XII	
Industry	<b>B_TO_E36</b>	0.5	-0.3	0.2	-1.1	0.8	0.7	
Mining and quarrying	В	0.2	4.3	-0.9	-3.5	-3.6	0.7	
Mining of coal and lignite	B05	-7.0	0.6	2.2	-2.7	-15.5	9.2	
Extraction of crude petroleum and natural gas	B06							
Mining of metal ores	B07	3.0	4.9	1.9	-2.2	-1.4	-5.3	
Other mining and quarrying	B08	-10.8	2.1	5.6	1.6	10.0	-2.4	
Mining support service activities	B09							
Manufacturing	С	0.6	-0.5	0.7	0.1	1.2	1.5	
Manufacture of food products	C10	-3.2	-4.2	0.7	1.8	0.1	4.4	
Manufacture of beverages	C11	4.1	-5.7	6.8	1.6	-7.1	2.3	
Manufacture of tobacco products	C12	-20.3	23.5	-4.9	-6.3	-9.1	-10.9	
Manufacture of textiles	C13	-2.0	1.2	2.0	-1.6	4.9	-5.3	
Manufacture of wearing apparel	C14	-4.5	-1.2	3.6	-2.7	5.4	-1.5	
Manufacture of leather and related products	C15	-13.0	0.7	3.8	6.1	0.2	7.7	
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	C16	-5.4	-2.5	2.8	-1.8	1.3	4.7	
Manufacture of paper and paper products	C17	-2.3	4.1	-1.7	3.3	-1.3	-6.6	
Printing and reproduction of recorded media	C18	2.2	-4.9	-0.7	0.4	-0.9	-2.6	
Manufacture of coke and refined petroleum products	C19							
Manufacture of chemicals and chemical products	C20	12.0	6.1	-7.4	2.7	-0.7	3.8	
Manufacture of basic pharmaceutical products and	C21	-1.4	-1.1	-3.6	-6.8	14.9	0.2	
pharmaceutical preparations								
Manufacture of rubber and plastic products	C22	-2.4	6.1	1.6	2.5	0.6	-2.8	
Manufacture of other non-metallic mineral products	C23	1.9	2.2	-0.3	2.0	0.4	0.6	
Manufacture of basic metals	C24	-6.3	3.3	6.5	1.4	5.0	4.2	
Manufacture of fabricated metal products, except machinery and equipment	C25	19.4	-11.9	-7.0	5.7	-2.8	-2.7	
Manufacture of computer, electronic and optical products	C26	-2.3	4.1	-12.5	14.0	1.4	-5.4	
Manufacture of electrical equipment	C27	-4.4	1.4	5.3	1.2	-2.1	1.4	
Manufacture of machinery and equipment n.e.c.	C28	3.0	-1.1	0.2	2.8	0.9	2.0	
Manufacture of motor vehicles, trailers and semi- trailers	C29	4.7	-0.8	6.6	3.0	-0.8	1.1	
Manufacture of other transport equipment	C30	-8.5	0.1	11.1	-3.5	18.7	-20.5	
Manufacture of furniture	C31	-3.4	0.1	-2.3	-1.5	2.5	9.9	
Other manufacturing	C32	-7.6	12.4	3.7	-9.6	7.6	10.2	
Repair and installation of machinery and equipment	C33	22.9	-21.2	10.7	-14.3	15.3	9.0	
Electricity, gas, steam and air conditioning supply	D	-1.0	-0.9	-1.1	-4.1	1.0	-0.2	
Electricity, gas, steam and air conditioning supply	D35	-1.0	-0.9	-1.1	-4.1	1.0	-0.2	

<sup>1</sup> Seasonally adjusted. <sup>2</sup> '..' - Confidential data.



# Table 2 Changes of Industrial Production Indices compared to the same month of the previous year<sup>1,2</sup>

						(P	er cent)			
Economic activities	NACE.BG -	2017								
	2008	VII	VIII	IX	X	XI	XII			
Industry	<b>B_TO_E36</b>	4.6	4.1	3.4	2.9	2.0	2.0			
Mining and quarrying	В	3.9	13.0	8.0	4.4	-7.2	-5.2			
Mining of coal and lignite	B05	7.2	14.5	15.3	0.0	-23.2	-6.8			
Extraction of crude petroleum and natural gas	B06									
Mining of metal ores	B07	5.1	17.9	7.8	12.0	0.8	-1.4			
Other mining and quarrying	B08	-17.7	-17.9	-4.4	0.7	8.2	11.2			
Mining support service activities	B09									
Manufacturing	С	6.4	5.2	4.6	5.5	5.1	5.2			
Manufacture of food products	C10	3.7	-4.1	2.3	2.5	2.2	9.7			
Manufacture of beverages	C11	-6.9	-13.0	-3.4	-2.0	-11.3	-6.1			
Manufacture of tobacco products	C12	-26.4	3.8	9.6	-14.0	-24.5	-35.8			
Manufacture of textiles	C13	-0.8	1.4	0.4	-2.4	4.3	4.2			
Manufacture of wearing apparel	C14	-10.5	-5.8	-6.3	-8.8	7.0	-0.3			
Manufacture of leather and related products	C15	-15.1	-2.3	-11.9	-0.3	-5.3	12.7			
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw	C16	-4.7	-9.6	-0.2	-5.6	-2.8	1.4			
and plaiting materials	C10	-4.7	-9.0	-0.2	-5.0	-2.8	1.4			
Manufacture of paper and paper products	C17	-5.3	-3.0	-2.6	0.9	-6.2	-8.6			
Printing and reproduction of recorded media	C18	3.2	-1.6	-2.2	-5.0	-6.9	-4.2			
Manufacture of coke and refined petroleum products	C19									
Manufacture of chemicals and chemical products	C20	8.9	15.6	10.1	7.0	12.9	24.2			
Manufacture of basic pharmaceutical products and pharmaceutical preparations	C21	19.5	22.6	11.8	-4.4	13.8	19.4			
Manufacture of rubber and plastic products	C22	4.2	11.5	14.0	13.4	10.7	11.4			
Manufacture of other non-metallic mineral products	C23	6.2	7.4	8.3	9.4	9.2	7.5			
Manufacture of basic metals	C24	-4.4	7.3	27.9	6.2	11.4	26.0			
Manufacture of fabricated metal products, except machinery and equipment	C25	37.4	15.5	-9.1	18.6	1.3	-12.7			
Manufacture of computer, electronic and optical products	C26	18.6	24.7	4.2	10.8	15.4	16.3			
Manufacture of electrical equipment	C27	-1.5	1.0	8.1	10.1	4.9	10.7			
Manufacture of machinery and equipment n.e.c.	C28	12.3	15.8	18.4	16.9	9.5	10.9			
Manufacture of motor vehicles, trailers and semi-	C29	7.6	1.9	14.3	15.2	11.6	13.2			
trailers										
Manufacture of other transport equipment Manufacture of furniture	C30 C31	0.0 -3.9	-15.5 0.7	12.3 -5.9	12.9 -8.6	45.1 -9.8	1.4 8.7			
Other manufacturing	C32	-3.9	10.0	-5.9	-8.0	3.3	12.8			
Repair and installation of machinery and	C33	24.5	3.7	-0.1	-7.9	10.1	15.4			
equipment Electricity, gas, steam and air conditioning supply	D	-1.4								
	D	-1.4	-3.8	-3.6	-8.1	-4.6	-5.1			
Electricity, gas, steam and air conditioning supply	D35	-1.4	-3.8	-3.6	-8.1	-4.6	-5.1			

<sup>&</sup>lt;sup>1</sup> Working day adjusted. <sup>2</sup> '..' - Confidential data.



				(Sea	sonally	adjuste	d, 2010	) = 100)	)				
NACE.BG -	2016						2017	,					
2008	XII	Ι	II	III	IV	V	VI	VII	VIII	IX	Х	XI	XII
B_TO_E36	116.0	112.4	116.7	117.8	117.0	119.9	117.8	118.3	118.0	118.3	116.9	117.8	118.6
В	104.0	103.7	109.0	102.6	<b>99.</b> 7	103.6	104.4	104.6	109.1	108.1	104.4	100.6	101.3
B05	104.5	101.4	121.6	111.7	108.3	120.2	114.8	106.7	107.4	109.8	106.8	90.3	98.5
B06													
B07	105.2	96.8	100.7	101.4	94.6	92.9	103.3	106.4	111.6	113.7	111.2	109.6	103.8
B08	94.0	89.6	106.3	93.7	93.6	93.2	98.9	88.2	90.0	95.0	96.5	106.2	103.6
<b>B09</b>													
С	122.8	116.7	124.1	127.3	125.8	128.7	125.5	126.3	125.6	126.5	126.6	128.0	130.0
C10	89.9	88.3	93.8	92.5	88.9	94.6	99.0	95.8	91.9	92.5	94.2	94.4	98.5
C11	102.7	91.0	102.5	102.4	98.3	99.0	95.6	99.6	93.9	100.3	101.9	94.7	96.9
C12	81.0	78.3	79.4	79.0	83.1	87.2	77.7	62.0	76.5	72.7	68.2	62.0	55.2
C13	101.3	98.7	114.6	108.6	111.1	111.7	108.6	106.4	107.7	109.8	108.1	113.3	107.4
C14	94.5	94.0	97.8	100.4	93.6	95.5	95.4	91.2	90.1	93.3	90.8	95.7	94.2
C15	69.8	71.6	70.8	77.3	74.0	78.1	73.7	64.1	64.6	67.0	71.1	71.3	76.8
C16	85.5	88.3	97.0	89.2	92.0	91.9	87.8	83.1	81.0	83.3	81.7	82.8	86.7
C17	129.0	131.3	132.0	129.8	122.9	130.5	126.1	123.2	128.3	126.1	130.2	128.5	120.1
C18	114.1	117.7	119.1	126.2	115.7	122.0	118.7	121.4	115.5	114.6	115.0	114.0	111.0
C19													
C20	111.7	114.2	125.6	121.1	127.6	124.5	118.8	133.1	141.2	130.7	134.3	133.3	138.3
C21	141.4	151.8	145.5	151.5	136.3	156.8	166.4	164.1	162.3	156.5	145.8	167.4	167.7
C22	148.0	148.9	154.9	162.2	155.6	159.7	156.0	152.3	161.6	164.1	168.2	169.2	164.5
C23	121.4	117.0	128.8	129.3	129.4	128.2	125.3	127.7	130.5	130.1	132.7	133.3	134.1
C24	108.1	105.5	113.0	115.9	110.5	114.0	111.1	104.0	107.4	114.4	115.9	121.7	126.9
C25	190.3	124.8	169.2	177.4	208.8	184.5	171.3	204.6	180.3	167.8	177.4	172.3	167.7
C26	158.7	196.2	179.3	203.1	189.6	174.9	191.6	187.2	194.9		194.6	197.4	186.7
C27	144.6	142.9	145.0	149.0	143.8	154.9	154.3	147.5	149.6	157.6	159.5	156.1	158.3
C28	158.0	146.9	157.9	159.7	163.0	180.9	162.8	167.6	165.8	166.0	170.7	172.1	175.6
C29	179.5	181.4	180.9	185.9	177.2	183.1	173.6	181.8	180.2	192.2	198.0	196.4	198.6
C30	83.1	98.8	86.3	83.9	80.1	87.9	93.1	85.1	85.2	94.6	91.3	108.4	86.2
C31	130.4	122.3	130.6	136.9	136.8	139.0	133.0	128.5	128.6	125.6	123.8	126.8	139.4
C31 C32	237.7	268.8	245.6	232.2	241.0	219.3	227.2	210.0	236.1	244.8	221.2	237.9	262.3
C32 C33	89.0	208.8 78.5	245.0 86.1	85.4	88.3	219.3 99.7	87.9	108.1	85.1	244.8 94.2	80.8	93.2	101.6
D D25	102.5	111.4	102.8	<b>96.9</b>	100.5	102.6	<b>102.7</b>	<b>101.7</b>	100.8	<b>99.7</b>	<b>95.6</b>	<b>96.5</b>	<b>96.3</b>
D35	102.5	111.4	102.8	96.9	100.5	102.6	102.7	101.7	100.8	99.7	95.6	96.5	96.3

### Industrial Production Indices<sup>1</sup> (Seasonally adjusted, 2010 = 100)

<sup>1</sup> '..' - Confidential data.

Table 3



Table 4

(Working day adjusted, $2010 = 100$ )															
NACE.BG -	2014	2015	2015 2016 2017												
2008	XII	XII	XII	Ι	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
B_TO_E36	113.5	115.8	122.5	106.8	111.1	119.9	113.0	114.3	119.7	122.0	113.7	118.0	121.1	124.9	124.9
В	110.7	108.7	114.4	99.2	105.2	98.8	92.0	96.1	99.9	102.7	108.1	113.0	116.6	108.6	108.4
B05	124.8	137.7	127.0	116.6	123.3	97.9	90.0	103.2	91.3	97.8	103.2	116.2	131.1	104.3	118.3
B06															
<b>B07</b>	103.0	85.6	105.2	96.8	100.7	101.4	94.6	92.9	103.3	106.4	111.6	113.7	111.2	109.6	103.8
B08	116.1	133.3	97.1	52.1	79.5	83.7	92.4	96.6	110.5	99.8	100.6	104.7	113.4	121.4	108.0
B09															
С	108.5	114.1	122.9	100.1	112.8	129.2	124.7	127.9	133.5	134.8	121.6	128.9	133.3	135.6	129.3
C10	96.0	92.8	94.0	74.0	81.2	90.8	85.3	92.6	101.9	97.3	94.8	99.7	104.0	101.2	103.1
C11	101.5	99.8	106.6	54.9	71.8	96.8	101.4	105.9	115.3	128.0	117.8	108.6	91.6	84.2	100.1
C12	119.0	107.1	89.8	60.6	63.3	85.5	77.0	87.3	83.4	72.1	75.0	71.9	64.7	59.8	57.7
C13	100.4	93.6	87.7	82.8	112.4	121.3	122.8	128.4	120.8	110.9	85.2	105.6	110.3	118.5	91.4
C14	93.1	100.0	95.1	98.0	95.1	96.8	85.4	86.7	105.0	105.4	85.7	92.7	90.8	93.5	94.8
C15	79.5	67.6	64.2	73.2	68.2	77.5	65.3	65.5	76.3	75.8	62.3	73.5	74.5	73.4	72.4
C16	89.1	98.4	79.6	67.7	83.5	87.8	90.4	91.2	96.2	91.7	81.6	87.7	92.3	91.4	80.7
C17	110.4	117.6	121.7	122.9	125.4	135.4	124.1	133.9	132.9	127.3	127.1	126.5	130.9	130.0	111.2
C18	121.1	129.5	126.5	103.5	109.9	127.4	110.3	117.3	119.5	120.6	107.6	113.5	122.6	130.3	121.2
C19															
C20	107.5	96.5	108.9	105.5	117.9	131.5	131.9	124.7	122.9	135.4	135.2	131.2	133.8	137.2	135.2
C21	157.1	154.5	144.7	142.6	148.8	164.9	135.5	153.5	178.1	158.0	144.7	153.2	151.1	177.3	172.8
C22	105.8	115.4	127.3	131.0	143.1	166.9	157.5	161.0	168.4	160.8	159.6	168.8	183.2	176.8	141.9
C23	101.0	123.0	109.2	77.1	104.4	129.9	133.6	140.1	136.2	138.6	140.4	140.1	149.3	144.6	117.3
C24	79.5	71.5	90.9	102.3	107.4	125.9	109.8	113.3	116.7	109.5	96.2	117.0	123.0	125.6	114.5
C25	136.7	164.6	221.2	97.2	149.6	176.5	207.1	174.9	182.1	213.9	174.3	172.1	180.6	187.4	193.2
C26	147.5	148.7	171.4	181.5	165.0	214.5	187.6	173.0	201.9	190.9	171.2	164.7	203.8	211.0	199.3
C27	120.1	130.7	129.0	130.0	141.3	160.4	138.6	152.6	164.3	156.1	131.3	160.5	176.8	169.9	142.9
C28	129.5	129.1	152.2	128.9	153.3	171.7	163.3	182.1	176.1	177.5	148.7	164.1	174.8	183.9	168.8
C29	135.1	137.6	161.3	177.7	180.2	201.3	177.0	185.7	177.5	181.4	148.9	194.0	216.4	211.2	182.6
C30	85.4	101.8	85.0	81.1	78.2	94.4	84.3	103.6	100.3	84.2	72.2	87.8	85.0	106.7	86.2
C31	120.0	126.7	131.9	102.9	115.4	135.3	134.0	135.9	134.4	131.6	128.2	130.9	136.1	140.1	143.4
C32	125.8	175.7	205.0	237.5	211.0	235.4	232.3	216.5	256.9	207.2	242.0	260.0	251.5	250.5	231.2
C33	105.2	110.4	121.0	55.5	72.1	82.9	78.3	94.7	87.9	111.9	82.6	99.9	84.9	109.5	139.7
D	134.1	129.0	128.9	134.8	112.9	105.0	90.2	83.1	88.4	93.5	91.5	87.1	88.3	103.6	122.3
D35	134.1	129.0	128.9	134.8	112.9	105.0	90.2	83.1	88.4	93.5	91.5	87.1	88.3	103.6	122.3

### **Industrial Production Indices<sup>1</sup>** (Working day adjusted, 2010 = 100)

<sup>1</sup> '..' - Confidential data.