



## INDUSTRIAL PRODUCTION INDICES IN MARCH 2018<sup>1</sup>

In compliance with Regulation (EC) N 1165/98 and amendment Regulation (EC) N 1158/2005 since January 2018 the base year for Short-term business statistics has been changed. All short-term indicators presented in the form of indices are calculated and published at 2015 as a base year. The time series has been recalculated according to the new base year and they can be downloaded from INFOSTAT information system: <a href="https://infostat.nsi.bg/infostat/pages/module.jsf?x">https://infostat.nsi.bg/infostat/pages/module.jsf?x</a> 2=188

According to the preliminary data the Industrial Production Index<sup>2</sup>, seasonally adjusted<sup>3</sup>, increased by 2.3% in March 2018 as compared to February 2018.

In March 2018 working day adjusted<sup>4</sup> Industrial Production Index rose by 1.7% in comparison with the same month of 2017.

<sup>&</sup>lt;sup>1</sup> March 2018 data are preliminary. The final data on Industrial Production and Turnover Indices for February 2018 can be found on the NSI website: <a href="http://www.nsi.bg/en">http://www.nsi.bg/en</a>.

<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).





120 110 100 80 70 60 Ш.2010 IX.2012 IX.2013 IX.2014 IX.2017 IX.2010 III.2014 III.2018 III.2009 X.2009 III.2012 III.2013 III.2015 IX.2015 III.2016 IX.2016 III.2017 IX.2011 III.2011

Figure 1. Industrial Production Indices (2015 = 100)

## **Monthly comparisons**

In March 2018 as compared to February 2018, the seasonally adjusted Industrial Production Index increased in the electricity, gas, steam and air conditioning supply by 3.8%, in the manufacturing by 1.4%, and in the mining and quarrying industry by 0.2%.

Industrial production index - unadjusted

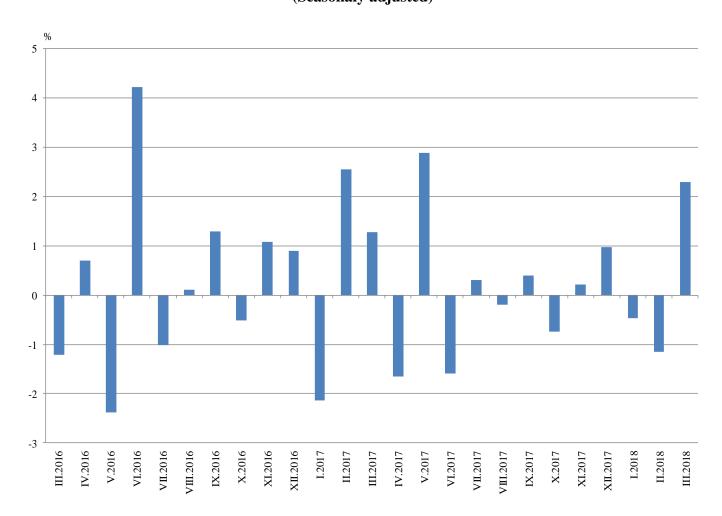
The most significant production increases in the manufacturing were registered in the manufacture of food products by 7.1%, in the manufacture of computer, electronic and optical products by 6.9%, in the manufacture of basic pharmaceutical products and pharmaceutical preparations by 6.0%, in the printing and reproduction of recorded media by 5.9%. There were decreases in the manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaining materials by 1.7%, in the manufacture of other transport equipment by 1.6%, in the manufacture of rubber and plastic products by 0.9%.

Industrial production index -seasonally adjusted





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



## **Annual comparisons**

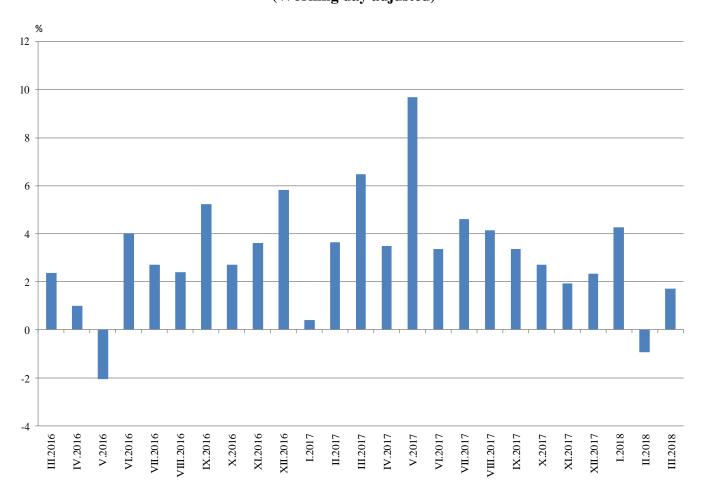
On annual basis in March 2018 Industrial Production Index calculated from working day adjusted data rose in the electricity, gas, steam and air conditioning supply by 7.8% and in the manufacturing by 0.7%, while the production fell in the mining and quarrying industry by 8.7%.

In the manufacturing, the more considerable increases compared to the same month of the previous year were registered in the manufacture of other transport equipment by 52.4%, in the repair and installation of machinery and equipment by 15.1%, in the manufacture of electrical equipment by 10.7%, in the manufacture of motor vehicles, trailers and semi-trailers by 9.6%. Decreases were seen in the manufacture of tobacco products by 22.0%, in the manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials by 13.2%, in the manufacture of wearing apparel by 8.4%, in the manufacture of basic metals by 5.6%.





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  $\mathrm{month}^{1,2}$ 

(Per cent)

			(Per cent)					
Economic activities	NACE.BG -		2017		2018			
Economic activities	2008	X	XI	XII	I	II	III	
Industry	B_TO_E36	-0.7	0.2	1.0	-0.5	-1.1	2.3	
Mining and quarrying	В	-4.7	-1.4	-2.5	0.6	-4.6	0.2	
Mining of coal and lignite	B05	-1.7	-15.1	8.3	-5.1	-8.3	25.6	
Extraction of crude petroleum and natural gas	B06							
Mining of metal ores	B07	-7.3	2.1	-8.4	13.1	-1.8	-10.0	
Other mining and quarrying	B08	2.7	12.2	-5.6	26.4	-7.3	-10.3	
Mining support service activities	B09							
Manufacturing	$\mathbf{C}$	0.0	0.8	1.9	0.0	-3.2	1.4	
Manufacture of food products	C10	1.0	0.3	5.4	-0.6	-5.9	7.1	
Manufacture of beverages	C11	1.7	-7.1	3.7	5.8	-6.0	2.4	
Manufacture of tobacco products	C12	-4.8	-2.4	-9.8	-0.4	11.0	-0.6	
Manufacture of textiles	C13	-1.9	3.4	-1.9	-3.6	-1.6	4.7	
Manufacture of wearing apparel	C14	-1.3	3.5	-4.0	-3.4	1.4	2.4	
Manufacture of leather and related products	C15	5.8	-0.7	8.2	-8.6	9.7	5.5	
Manufacture of wood and of products of wood and								
cork, except furniture; manufacture of articles of straw and plaiting materials	C16	-0.3	0.7	3.8	0.3	-9.5	-1.7	
Manufacture of paper and paper products	C17	3.0	-0.4	-7.1	7.0	-4.3	2.3	
Printing and reproduction of recorded media	C18	2.3	-3.0	-0.9	6.9	-7.0	5.9	
Manufacture of coke and refined petroleum products	C19							
Manufacture of chemicals and chemical products	C20	0.1	-1.1	1.4	-8.2	-2.8	-0.1	
Manufacture of basic pharmaceutical products and	C21	-8.8	14.0	2.5	-5.0	-4.6	6.0	
pharmaceutical preparations								
Manufacture of rubber and plastic products	C22	-0.5	0.0	2.9	0.7	-2.3	-0.9	
Manufacture of other non-metallic mineral products	C23	3.1	0.8	-1.8	13.4	-7.5	-0.3	
Manufacture of basic metals	C24	2.5	3.2	3.7	-2.4	-5.6	-0.4	
Manufacture of fabricated metal products, except	C25	8.7	-1.4	-9.1	4.7	-1.6	5.8	
machinery and equipment  Manufacture of computer, electronic and optical								
products	C26	12.7	1.6	-3.4	5.4	0.4	6.9	
Manufacture of electrical equipment	C27	-0.8	-2.2	5.3	-1.9	-4.1	5.6	
Manufacture of machinery and equipment n.e.c.	C28	2.9	-0.1	3.7	-2.0	-6.2	0.5	
Manufacture of motor vehicles, trailers and semi-	C29		-0.9	0.7	3.0	-0.2		
trailers		4.4					-0.2	
Manufacture of other transport equipment	C30	-1.3	18.9	-21.0	33.1	6.9	-1.6	
Manufacture of furniture	C31	-1.0	1.9	10.7	2.0	-1.3	1.0	
Other manufacturing	C32	-7.7	10.0	5.5	-0.2	-5.3	-4.0	
Repair and installation of machinery and equipment	C33	-14.1	17.9	4.5	0.9	-4.2	2.2	
Electricity, gas, steam and air conditioning supply	D	-4.3	1.9	0.6	1.3	1.6	3.8	
Electricity, gas, steam and air conditioning supply	D35	-4.3	1.9	0.6	1.3	1.6	3.8	

<sup>&</sup>lt;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>

	NA CE DC		2015		(Per cent)				
Economic activities	NACE.BG - 2008	₹7	2017	<b>3711</b>	2018				
T. J. dom		X 27	XI	XII	I	II	1.7		
Industry	<b>B_TO_E36</b>	2.7	1.9	2.3	4.3	-0.9	1.7		
Mining and quarrying	В	5.3	-6.8	-7.0	-3.5	-14.4	-8.7		
Mining of coal and lignite	B05	0.3	-23.1	-8.2	-9.0	-31.7	-5.8		
Extraction of crude petroleum and natural gas	B06								
Mining of metal ores	B07	13.8	1.3	-3.9	5.1	2.1	-6.2		
Other mining and quarrying	B08	2.0	9.6	8.9	54.0	16.6	15.5		
Mining support service activities	B09				••	••			
Manufacturing	$\mathbf{C}$	5.2	4.9	5.7	11.1	1.2	0.7		
Manufacture of food products	C10	1.8	2.5	11.0	6.7	0.8	7.8		
Manufacture of beverages	C11	-3.7	-13.3	-7.6	14.8	-6.4	-1.8		
Manufacture of tobacco products	C12	-15.0	-23.9	-40.1	-39.2	-10.2	-22.0		
Manufacture of textiles	C13	-2.0	2.2	6.7	3.0	-10.9	0.4		
Manufacture of wearing apparel	C14	-8.1	7.1	0.4	-9.9	-7.3	-8.4		
Manufacture of leather and related products	C15	0.1	-8.3	9.4	-5.4	5.8	4.0		
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	C16	-5.9	-2.8	1.8	-0.5	-18.8	-13.2		
Manufacture of paper and paper products	C17	0.5	-6.1	-7.7	1.1	-4.8	-4.6		
Printing and reproduction of recorded media	C18	-3.0	-7.0	-1.7	2.0	-6.5	-4.7		
Manufacture of coke and refined petroleum products	C19								
Manufacture of chemicals and chemical products	C20	6.8	13.1	24.5	3.6	-7.6	-4.0		
Manufacture of basic pharmaceutical products and pharmaceutical preparations	C21	-6.3	13.7	22.5	2.7	2.8	6.1		
Manufacture of rubber and plastic products	C22	10.5	7.2	13.0	9.6	4.8	1.3		
Manufacture of other non-metallic mineral products	C23	8.6	9.2	5.5	39.5	7.0	1.7		
Manufacture of basic metals	C24	5.2	11.4	26.0	22.4	-2.8	-5.6		
Manufacture of fabricated metal products, except machinery and equipment	C25	21.2	0.7	-16.7	21.6	-5.5	-2.3		
Manufacture of computer, electronic and optical products	C26	10.3	15.4	18.3	0.7	11.9	8.5		
Manufacture of electrical equipment	C27	8.0	5.0	15.7	11.1	2.9	10.7		
Manufacture of machinery and equipment n.e.c.	C28	17.3	9.5	13.1	16.9	2.0	1.5		
Manufacture of motor vehicles, trailers and semi- trailers	C29	15.7	11.6	11.6	17.5	16.1	9.6		
Manufacture of other transport equipment	C30	16.7	47.1	-2.5	33.0	62.2	52.4		
Manufacture of furniture	C31	-8.4	-9.8	9.9	15.9	11.0	6.1		
Other manufacturing	C32	6.8	3.3	7.2	-9.5	-1.0	-3.2		
Repair and installation of machinery and equipment	C33	-7.1	12.0	12.3	30.0	11.7	15.1		
Electricity, gas, steam and air conditioning supply	D	-8.3	-4.6	-4.9	-8.4	-2.4	7.8		
Electricity, gas, steam and air conditioning supply	D35	-8.3	-4.6	-4.9	-8.4	-2.4	7.8		

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





Table 3 Industrial Production Indices $^1$  (Seasonally adjusted, 2015 = 100)

NACE.BG -			2018										
2008	III	IV	V	VI	VII	VIII	IX	X	XI	XII	I	II	Ш
B_TO_E36	107.2	105.4	108.4	106.7	107.0	106.8	107.3	106.5	106.7	107.7	107.2	106.0	108.4
В	105.7	97.9	105.1	107.2	104.0	112.3	109.5	104.4	102.9	100.4	101.0	96.3	96.5
B05	100.6	96.0	107.8	101.5	92.7	94.7	95.2	93.6	79.4	86.0	81.6	74.8	94.0
B06						••							
B07	116.0	102.9	107.4	113.5	118.2	129.5	126.9	117.5	120.0	110.0	124.4	122.1	109.9
B08	81.2	79.3	81.2	87.6	76.9	79.5	82.5	84.8	95.1	89.8	113.5	105.3	94.5
B09						••							
C	111.0	108.6	111.9	109.7	110.4	110.1	111.1	111.1	112.0	114.2	114.2	110.5	112.0
C10	103.1	99.3	105.2	110.3	106.9	102.8	103.7	104.8	105.1	110.7	110.1	103.6	111.0
C11	100.9	94.2	97.0	95.5	99.8	93.9	99.0	100.6	93.5	97.0	102.6	96.4	98.7
C12	74.8	72.5	81.1	76.4	60.9	71.4	68.8	65.5	64.0	57.7	57.4	63.7	63.4
C13	100.4	100.0	100.5	100.6	98.6	97.6	101.6	99.7	103.0	101.1	97.5	95.9	100.4
C14	105.5	98.2	98.4	98.5	96.2	93.8	97.4	96.1	99.5	95.5	92.2	93.6	95.8
C15	102.1	96.7	101.2	96.4	82.7	84.7	87.1	92.2	91.5	99.0	90.4	99.2	104.6
C16	89.1	89.8	91.5	88.8	84.7	81.0	84.0	83.8	84.4	87.5	87.8	79.5	78.1
C17	105.0	99.2	105.5	101.2	98.9	102.6	101.2	104.3	103.9	96.5	103.2	98.7	101.0
C18	109.5	100.3	106.0	102.1	105.8	99.8	100.2	102.5	99.5	98.6	105.4	98.0	103.8
C19													
C20	117.0	118.8	117.2	117.1	123.6	127.8	123.6	123.6	122.3	124.0	113.9	110.7	110.6
C21	103.4	93.4	106.0	111.2	112.7	111.0	108.1	98.6	112.4	115.2	109.5	104.5	110.8
C22	121.8	119.0	119.6	117.3	115.9	121.5	124.6	123.9	123.9	127.6	128.5	125.6	124.4
C23	103.7	100.0	100.9	98.4	99.6	102.5	101.0	104.1	104.9	103.0	116.8	108.1	107.8
C24	116.3	113.5	114.5	111.9	107.9	109.7	116.6	119.6	123.3	127.9	124.9	117.8	117.4
C25	137.2	154.5	142.4	131.3	156.3	138.7	126.3	137.2	135.3	123.0	128.7	126.7	134.0
C26	138.7	130.1	119.9	130.3	127.9	134.1	118.3	133.4	135.6	131.0	138.1	138.7	148.2
C27	102.0	102.1	107.0	106.9	103.7	103.8	110.8	109.9	107.5	113.2	111.1	106.5	112.4
C28	112.7	114.2	126.4	114.4	117.6	117.0	117.5	121.0	120.9	125.3	122.8	115.2	115.8
C29	118.9	110.8	117.6	111.9	117.3	116.1	123.0	128.4	127.2	128.1	132.0	131.7	131.4
C30	91.3	83.8	97.5	102.1	91.2	90.7	98.7	97.4	115.8	91.5	121.8	130.2	128.1
C31	107.9	107.2	109.6	104.9	102.1	102.3	100.5	99.5	101.4	112.2	114.4	112.9	113.9
C32	135.5	129.8	125.7	131.9	115.4	138.0	135.8	125.3	137.8	145.4	145.2	137.5	132.1
C33	95.5	96.6	110.9	97.2	120.1	95.2	104.9	90.2	106.4	111.1	112.1	107.4	109.7
D	93.1	95.5	97.7	96.8	96.3	95.2	94.5	90.5	92.2	92.7	93.9	95.4	99.1
D35	93.1	95.5	97.7	96.8	96.3	95.2	94.5	90.5	92.2	92.7	93.9	95.4	99.1

<sup>&</sup>lt;sup>1</sup> '..' - Confidential data.





Table 4

## Industrial Production Indices<sup>1</sup> (Working day adjusted, 2015 = 100)

	2017											2018				
NACE.BG - 2008	2015	2016	***	TX7	₹7	<b>377</b>	1		IV	•	3/1	VII	-			
	III	III	III	IV	102.0	VI	VII	VIII	IX	X 100.6	XI	XII	I	II	III	
B_TO_E36	99.7	102.1	108.7	102.0	103.9	108.5	110.6		106.9		113.1	113.6	102.4	99.5	110.5	
B	90.7	96.9	101.0	91.7	98.4	102.2	103.0		113.5		111.4	109.2	97.9	90.3	92.2	
B05	83.3	64.4	87.3	78.7	92.5	81.5	85.8	92.3	102.3		93.0	104.2	94.5	74.5	82.2	
B06					105.0							1150			100.2	
B07	97.3	117.3	115.5	103.1	105.8	117.6	118.0		126.6	125.2	125.2	115.8	116.0	112.9	108.3	
B08 B09	84.0	88.7	73.3	78.6	84.7	96.8	85.6	87.4	89.9	98.4	107.8	93.2	70.4	78.9	84.7	
С	 97.8	102.3	112.8	 108.4	 111.8	 116.6	 117.8		112.7		 118.2	113.5	 99.3	 99.3	 113.6	
C10	95.6	97.9	101.1	95.2	103.4	113.7	108.5		111.6		112.6	115.6	92.8	89.2	109.0	
C10 C11	90.9	96.3	95.2	96.5	103.4	115.7	127.8		107.5	89.8	82.6	100.7	63.3	67.1	93.4	
C12	117.1	91.3	82.2	68.9	85.7	84.2	66.4	73.9	67.3	63.1	62.6	56.3	36.0	50.2	64.1	
C12	102.8	118.3	112.1	110.5	115.5	111.7	102.3	76.7	97.7	102.4	107.4	86.6	82.4	93.3	112.6	
C14	90.2	95.7	102.3	90.4	89.7	107.0	110.5	90.6	95.0	96.9	99.3	95.7	95.1	91.4	93.8	
C15	95.8	96.4	103.0	84.5	86.0	100.4	97.6	82.3	94.7	96.3	93.4	92.9	90.7	97.2	107.2	
C16	103.5	98.0	88.0	88.6	91.4	96.3	92.0	82.0	87.9	92.5	91.5	81.5	70.1	69.1	76.4	
C17	104.2	106.8	108.8	100.1	107.7	106.8	102.5	102.0	102.0	105.4	104.6	90.0	100.4	95.0	103.7	
C18	97.5	105.2	110.6	96.0	102.6	103.7	105.6	93.2		109.8	112.9	107.6	94.5	89.4	105.3	
C19																
C20	100.6	102.4	124.2	124.9	118.0	116.5	127.8	126.6	121.1		126.0	124.2	105.7	103.2	119.2	
C21	109.0	108.4	110.6	92.1		119.4	107.9		105.0		119.4		102.5	102.9	117.3	
C22	96.4	109.7	125.0	121.5	120.7	126.1	123.8	119.2	129.4	137.0	128.1	107.6	113.1	113.9	126.6	
C23	93.3	97.3	101.2	104.4	109.1	106.9	108.4	108.8	109.2	116.7	113.3	91.9	80.7	85.0	102.9	
C24	91.3	83.4	127.3	112.5	114.7	118.1	111.6	96.4	119.5	124.7	127.1	115.4	126.5	105.2	120.2	
C25	87.7	119.9	138.4	153.6	137.6	141.2	163.6	137.6	130.5	139.3	146.4	146.2	93.1	110.8	135.2	
C26	103.0	102.5	147.0	129.0	118.9	137.0	130.8	117.2	113.4	139.8	144.6	138.9	129.7	128.2	159.5	
C27	103.3	113.1	107.4	99.7	105.1	113.0	110.0	89.8	112.7	122.3	116.9	102.4	103.0	100.7	118.9	
C28	104.5	107.1	120.4	115.0	127.6	123.6	125.0	104.5	115.7	123.7	128.9	120.6	108.2	110.0	122.3	
C29	104.7	119.0	128.7	111.4	118.3	113.8	115.3	95.6	122.9	138.3	135.3	116.9	134.8	133.2	141.0	
C30	107.2	120.5	100.9	85.5	110.4	107.2	86.9	77.6	90.9	90.8	115.5	89.1	115.2	128.5	153.7	
C31	91.6	105.5	107.3	105.9	108.1	106.6	104.5	101.7	103.8	108.2	111.1	115.0	98.1	100.5	113.9	
C32	90.4	124.3	136.9	125.4	125.3	149.4	114.1	141.7	144.4	143.2	145.5	129.3	125.1	119.0	132.5	
C33	107.4	82.4	92.7	85.8	104.9	98.1	123.9	92.4	110.5	94.4	124.4	152.3	79.1	89.4	106.7	
D	111.2	104.9	99.8	85.9	80.1	84.1	89.1	87.3	83.0	83.9	98.3	116.3	116.9	104.6	107.6	
D35	111.2	104.9	99.8	85.9	80.1	84.1	89.1	87.3	83.0	83.9	98.3	116.3	116.9	104.6	107.6	

<sup>1 &#</sup>x27;...' - Confidential data.