

Piraeus, 10 May 2021

# **PRESS RELEASE**

# INDUSTRIAL PRODUCTION INDEX: March 2021, y-o-y increase of 5.5%

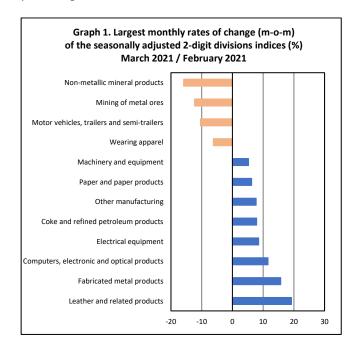
The Hellenic Statistical Authority announces the Industrial Production Index (IPI) with base year 2015=100.0 for March 2021, on the basis of provisional and working day adjusted data, as follows:

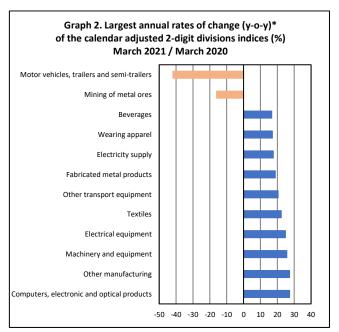
The Overall Industrial Production Index in March 2021 recorded an increase of 5.5% compared with March 2020. The Overall IPI in March 2020 increased by 0.03% compared with the corresponding index in March 2019 (Table 1).

The average Overall Industrial Production Index for the period from January to March 2021 recorded an increase of 4.5% compared with the average IPI of the period from January to March 2020 (Table 2).

The seasonally adjusted Overall Industrial Production Index in March 2021 recorded an increase of 2.3% compared with the corresponding index of February 2021 (Table 4).

The index of leather and related products division recorded the greatest percentage increase, whereas the index of other non-metallic mineral products division showed the greatest percentage decrease in March 2021 compared with February 2021. Comparing the indices of March 2021 with the corresponding indices of March 2020, the greatest percentage increases were recorded in computers, electronic and optical products and in other manufacturing, while the greatest percentage decrease was recorded in motor vehicles, trailers and semi-trailers (Tables 1 and 4).





<sup>\*</sup> The percentage increase of mining of coal and lignite, extraction of crude petroleum and natural gas, mining support service activities is not shown in the graph, due to the disproportion of percentage rates of changes and absolute values.

# Information for methodological issues:

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**Evolution of the Industrial Production Index in March 2021** 

I. Annual changes: March 2021/ March 2020 (Table 1)

The 5.5% increase of the working day adjusted Overall IPI in March 2021, compared with the corresponding index in

March 2020, is due to the annual changes of the sub-indices in the following industrial sections:

1. Increase of:

17.6% in the Electricity Supply Index.

3.4% in the Manufacturing Index. The increase was the result of the annual changes of the sub-indices in the

following 2-digit divisions: computers, electronic and optical products, other manufacturing, machinery and

equipment, electrical equipment, textiles, other transport equipment, fabricated metal products, wearing apparel,

beverages, basic metals.

0.8% in the Water Supply Index.

2. Decrease of:

4.3% in the Mining and Quarrying Index. The decrease was the result of the annual change of the sub-index in the

2-digit division of mining of metal ores.

II. Rates of change of the average index in the period January - March 2021 compared with the corresponding index of

the period January - March 2020 (Table 2)

The 4.5% increase of the working day adjusted average Overall IPI in the 3-month period January - March 2021, compared

with the corresponding index in January - March 2020, is due to the corresponding rates of change of the sub-indices in the

following industrial sections:

1. Increase of:

12.8% in the Electricity Supply Index.

2.6% in the Manufacturing Index.

2. Decrease of:

0.3% in the Water Supply Index.

1.1% in the Mining and Quarrying Index.

III. Monthly changes: March 2021 / February 2021 (Table 4)

The 2.3% increase of the seasonally adjusted Overall IPI in March 2021, compared with the corresponding index in

February 2021 is due to the monthly changes of the sub-indices in the following industrial sections:

1. Increase of:

3.0% in the Electricity Supply Index.

1.7% in the Manufacturing Index.

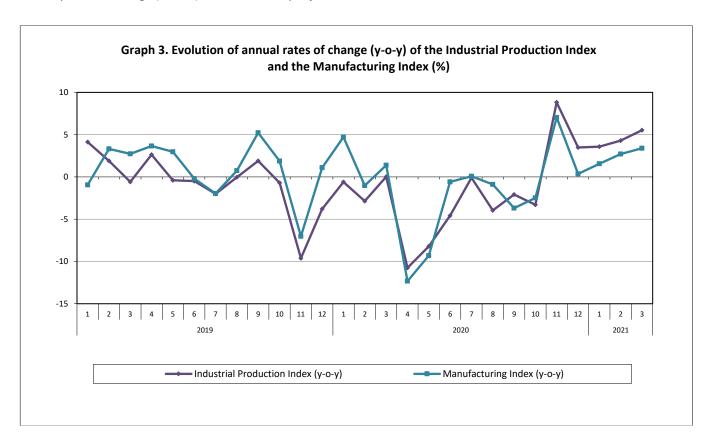
0.8% in the Water Supply Index.

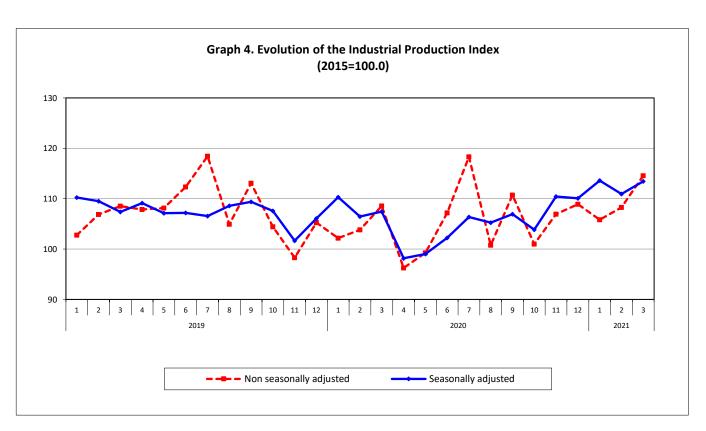
2. Decrease of:

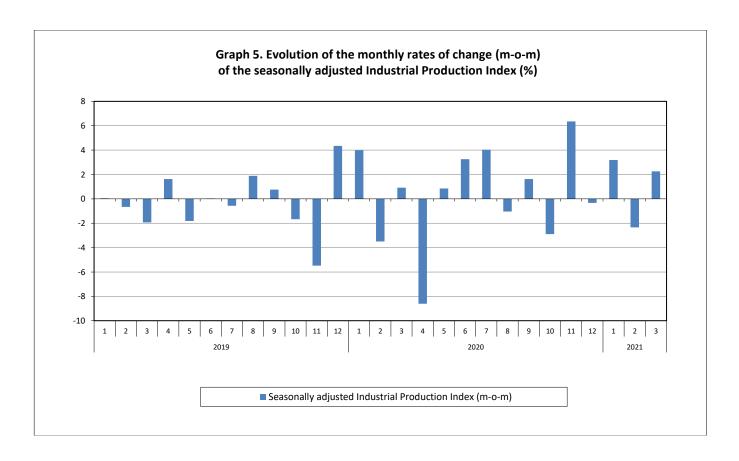
0.4% in the Mining and Quarrying Index.

2

The following graphs depict the annual rates of change (y-o-y) of the Industrial Production Index and the Manufacturing Index, the evolution of the seasonally and non-seasonally adjusted Overall Industrial Production Index, as well as the monthly rates of change (m-o-m) of the seasonally adjusted index.

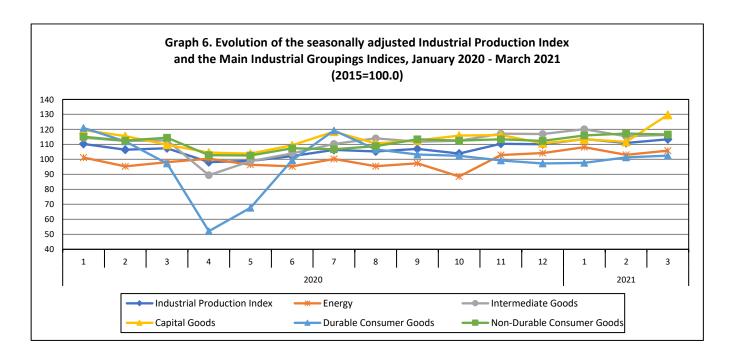






It should be noted that the time series with the seasonally adjusted indices is recalculated every time a new observation is added in the time series. Therefore, the seasonally adjusted data differ from the data published in the previous Press Release.

The following graphs depict the evolution of the seasonally adjusted Industrial Production Index and the Main Industrial Groupings, as well as the evolution of the Industrial Production Index and the Industrial Sections Indices.



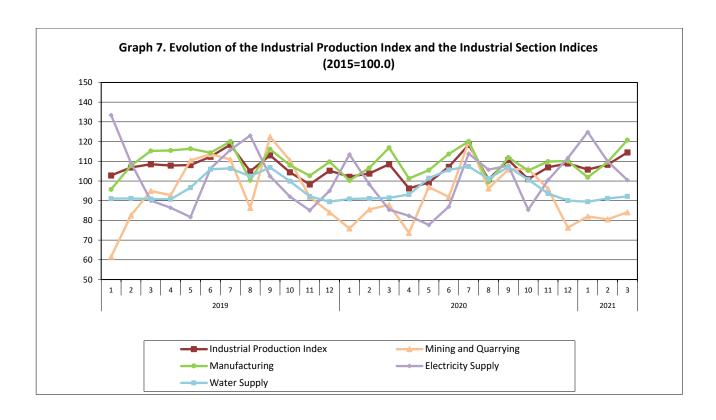


Table 1. Annual rates of change of the Industrial Production Index

(Working day adjusted data, according to the real number of working days)

Base year: 2015=100.0

Code	Division		March			Rate of change (%)		
Code	DIVISION	2021*	2020*	2019	2021/2020	2020/2019		
	OVERALL INDEX	114.54	108.53	108.50	5.5	0.03		
В	MINING AND QUARRYING	84.12	87.87	94.91	-4.3	-7.4		
05-06-09	Mining of coal and lignite – Extraction of crude petroleum and natural gas – Mining support service activities	20.99	4.45	67.50	371.4	-93.4		
07	Mining of metal ores	129.94	154.65	133.61	-16.0	15.7		
08	Other mining and quarrying	77.64	77.15	85.61	0.6	-9.9		
С	MANUFACTURING	120.80	116.85	115.26	3.4	1.4		
10	Food	106.51	108.98	105.27	-2.3	3.5		
11	Beverages	92.95	79.66	96.98	16.7	-17.9		
12	Tobacco products	129.37	126.20	96.18	2.5	31.2		
13	Textiles	128.67	105.20	121.55	22.3	-13.5		
14	Wearing apparel	60.46	51.64	93.05	17.1	-44.5		
15	Leather and related products	78.36	76.16	150.04	2.9	-49.2		
16	Wood and products of wood and cork, except furniture	104.00	112.67	125.50	-7.7	-10.2		
17	Paper and paper products	114.92	128.59	103.94	-10.6	23.72		
18	Printing and reproduction of recorded products	104.28	115.16	101.18	-9.4	13.8		
19	Coke and refined petroleum products		107.99	103.98	-4.3	3.9		
20	Chemicals and chemical products		142.85	137.67	2.0	3.8		
21	Basic pharmaceutical products and pharmaceutical preparations	220.10	216.12	175.55	1.8	23.1		
22	Rubber and plastic products		124.26	124.36	4.4	-0.1		
23	Other non-metallic mineral products	109.29	111.71	122.35	-2.2	-8.7		
24	Basic metals		120.97	129.70	11.4	-6.7		
25	Fabricated metal products, except machinery and equipment	155.71	131.11	133.09	18.8	-1.5		
26	Computers, electronic and optical products	203.45	159.86	121.90	27.3	31.1		
27	Electrical equipment	133.09	106.64	103.82	24.8	2.7		
28	Machinery and equipment n. e. c.	118.59	94.41	113.99	25.6	-17.2		
29	Motor vehicles, trailers and semi-trailers	88.36	151.98	85.21	-41.9	78.4		
30	Other transport equipment	67.25	55.83	57.07	20.5	-2.2		
31	Furniture	110.56	117.55	129.60	-5.9	-9.3		
32	Other manufacturing	114.65	90.09	111.84	27.3	-19.4		
33	Repair and installation of machinery and equipment	99.41	97.81	116.71	1.6	-16.2		
D	ELECTRICITY SUPPLY	100.50	85.44	90.03	17.6	-5.1		
35	Electricity supply	100.50	85.44	90.03	17.6	-5.1		
E	WATER SUPPLY	92.16	91.44	90.87	0.8	0.6		
36	Water collection, treatment and supply	92.16	91.44	90.87	0.8	0.6		
	MAIN INDUSTRIAL GROUPINGS							
1	Energy	100.36	92.92	94.45	8.0	-1.6		
2	Intermediate goods	122.23	118.41	117.99	3.2	0.4		
3	Capital goods	135.67	115.16	121.44	17.8	-5.2		
4	Consumer Durables	99.66	96.05	109.60	3.8	-12.4		
5	Consumer Non-Durables	120.89	118.60	114.66	1.9	3.4		

<sup>\*</sup> Provisional data

Table 2. Average indices of the period January – March and rates of change (%) of the Industrial Production Index (Working day adjusted data, according to the real number of working days)

Base year: 2015=100.0

-		Base year: 2015=100.0							
Code	Division	Average in	dices of the period	Rate of change (%)					
Code	D14131011	2021*	2020*	2019	2021/2020	2020/2019			
	OVERALL INDEX	109.54	104.83	106.05	4.5	-1.1			
В	MINING AND QUARRYING	82.25	83.14	79.67	-1.1	4.4			
05-06-09	Mining of coal and lignite – Extraction of crude petroleum and natural gas – Mining support service activities	23.87	11.19	59.09	113.4	-81.1			
07	Mining of metal ores		137.59	108.47	-2.6	26.8			
08	Other mining and quarrying	73.02	74.98	72.79	-2.6	3.0			
С	MANUFACTURING	110.74	107.94	106.27	2.6	1.6			
10	Food	100.57	102.60	98.17	-2.0	4.5			
11	Beverages	82.99	80.68	83.09	2.9	-2.9			
12	Tobacco products	121.44	101.25	103.40	19.9	-2.1			
13	Textiles	115.81	100.55	106.26	15.2	-5.4			
14	Wearing apparel	59.76	66.00	84.97	-9.5	-22.3			
15	Leather and related products	54.64	90.95	123.57	-39.9	-26.4			
16	Wood and products of wood and cork, except furniture	88.15	98.73	94.79	-10.7	4.2			
17	Paper and paper products	111.65	115.12	103.92	-3.0	10.8			
18	Printing and reproduction of recorded products	99.68	104.78	97.08	-4.9	7.9			
19	Coke and refined petroleum products	102.80	102.42	109.14	0.4	-6.2			
20	Chemicals and chemical products	130.39	130.78	123.35	-0.3	6.0			
21	Basic pharmaceutical products and pharmaceutical preparations	194.91	178.22	153.69	9.4	16.0			
22	Rubber and plastic products	121.44	114.66	116.13	5.9	-1.3			
23	Other non-metallic mineral products	108.56	99.85	100.70	8.7	-0.9			
24	Basic metals	128.35	123.07	128.35	4.3	-4.1			
25	Fabricated metal products, except machinery and equipment	124.83	115.16	114.63	8.4	0.5			
26	Computers, electronic and optical products	173.35	157.43	123.42	10.1	27.6			
27	Electrical equipment	114.82	97.50	94.17	17.8	3.5			
28	Machinery and equipment n. e. c.	98.24	93.63	96.84	4.9	-3.3			
29	Motor vehicles, trailers and semi-trailers	80.07	108.66	69.52	-26.3	56.3			
30	Other transport equipment	50.50	47.80	42.79	5.6	11.7			
31	Furniture	89.89	104.95	95.52	-14.4	9.9			
32	Other manufacturing	103.39	93.71	100.19	10.3	-6.5			
33	Repair and installation of machinery and equipment	79.68	85.30	87.49	-6.6	-2.5			
D	ELECTRICITY SUPPLY	111.78	99.08	110.89	12.8	-10.7			
35	Electricity supply	111.78	99.08	110.89	12.8	-10.7			
E	WATER SUPPLY	90.91	91.15	91.02	-0.3	0.1			
36	Water collection, treatment and supply	90.91	91.15	91.02	-0.3	0.1			
	MAIN INDUSTRIAL GROUPINGS								
1	Energy	106.66	99.10	108.24	7.6	-8.4			
2	Intermediate goods	113.25	109.31	106.72	3.6	2.4			
3	Capital goods	108.95	104.79	101.28	4.0	3.5			
4	Consumer Durables	82.45	89.53	86.70	-7.9	3.3			
5	Consumer Non-Durables	111.67	109.07	105.11	2.4	3.8			

<sup>\*</sup> Provisional data

Table 3. Monthly rate of change of the Industrial Production Index

(Working day adjusted data, according to the real number of working days)

Base year: 2015=100.0

	Base year:							
Code	Division	March	February	Rate of change (%)				
	OVERALL INDEX	2021*	2021**	Mar. 2021/ Feb. 2021				
В	OVERALL INDEX MINING AND QUARRYING	114.54 84.12	108.26 80.60	5.8 4.4				
05-06-09	Mining of coal and lignite – Extraction of crude petroleum and	20.99	22.60	-7.1				
03 00 03	natural gas – Mining support service activities	20.33	22.00	7.1				
07	Mining of metal ores	129.94	137.16	-5.3				
08	Other mining and quarrying	77.64	69.66	11.4				
С	MANUFACTURING	120.80	109.55	10.3				
10	Food	106.51	99.80	6.7				
11	Beverages	92.95	83.36	11.5				
12	Tobacco products	129.37	122.36	5.7				
13	Textiles	128.67	109.16	17.9				
14	Wearing apparel	60.46	62.11	-2.7				
15	Leather and related products	78.36	51.19	53.1				
16	Wood and products of wood and cork, except furniture	104.00	91.92	13.1				
17	Paper and paper products	114.92	106.66	7.7				
18	Printing and reproduction of recorded products	104.28	96.54	8.0				
19	Coke and refined petroleum products	103.36	97.58	5.9				
20	Chemicals and chemical products	145.65	128.56	13.3				
21	Basic pharmaceutical products and pharmaceutical preparations	220.10	205.27	7.2				
22	Rubber and plastic products	129.72	123.80	4.8				
23	Other non-metallic mineral products	109.29	115.87	-5.7				
24	Basic metals	134.75	125.71	7.2				
25	Fabricated metal products, except machinery and equipment	155.71	115.61	34.7				
26	Computers, electronic and optical products	203.45	168.43	20.8				
27	Electrical equipment	133.09	108.23	23.0				
28	Machinery and equipment n. e. c.	118.59	102.30	15.9				
29	Motor vehicles, trailers and semi-trailers	88.36	90.54	-2.4				
30	Other transport equipment	67.25	48.00	40.1				
31	Furniture	110.56	94.56	16.9				
32	Other manufacturing	114.65	97.65	17.4				
33	Repair and installation of machinery and equipment	99.41	78.05	27.4				
D	ELECTRICITY SUPPLY	100.50	110.00	-8.6				
35	Electricity supply	100.50	110.00	-8.6				
E	WATER SUPPLY	92.16	91.08	1.2				
36	Water collection, treatment and supply	92.16	91.08	1.2				
	MAIN INDUSTRIAL GROUPINGS							
1	Energy	100.36	103.98	-3.5				
2	Intermediate goods	122.23	112.26	8.9				
3	Capital goods	135.67	105.03	29.2				
4	Consumer Durables	99.66	86.65	15.0				
5	Consumer Non-Durables	120.89	112.27	7.7				

<sup>\*</sup> Provisional data \*\* Revised data

Table 4. Monthly rate of change of the seasonally adjusted Industrial Production Index

Base year: 2015=100.0

		March	February	Rate of change (%)	
Code	Division	2021	2021	Mar. 2021/ Feb. 2021	
	OVERALL INDEX	113.43	110.92	2.3	
В	MINING AND QUARRYING	92.01	92.40	-0.4	
05-06-09	Mining of coal and lignite – Extraction of crude petroleum and natural gas – Mining support service activities	-	-	-	
07	Mining of metal ores	127.86	145.80	-12.3	
08	Other mining and quarrying	87.64	85.83	2.1	
С	MANUFACTURING	115.63	113.70	1.7	
10	Food	103.33	103.43	-0.1	
11	Beverages	102.12	97.08	5.2	
12	Tobacco products	127.18	129.81	-2.0	
13	Textiles	119.58	115.11	3.9	
14	Wearing apparel	62.70	66.85	-6.2	
15	Leather and related products	56.44	47.34	19.2	
16	Wood and products of wood and cork, except furniture	101.71	101.44	0.3	
17	Paper and paper products	111.02	104.48	6.3	
18	Printing and reproduction of recorded products	99.44	99.83	-0.4	
19	Coke and refined petroleum products	103.40	95.84	7.9	
20	Chemicals and chemical products	127.52	124.99	2.0	
21	Basic pharmaceutical products and pharmaceutical preparations	200.26	202.87	-1.3	
22	Rubber and plastic products	118.98	119.96	-0.8	
23	Other non-metallic mineral products	107.87	128.24	-15.9	
24	Basic metals	127.66	123.92	3.0	
25	Fabricated metal products, except machinery and equipment	144.86	125.18	15.7	
26	Computers, electronic and optical products	186.83	167.42	11.6	
27	Electrical equipment	121.60	112.03	8.5	
28	Machinery and equipment n. e. c.	111.37	105.83	5.2	
29	Motor vehicles, trailers and semi-trailers	91.18	101.75	-10.4	
30	Other transport equipment	65.04	61.87	5.1	
31	Furniture	110.57	112.46	-1.7	
32	Other manufacturing	115.70	107.40	7.7	
33	Repair and installation of machinery and equipment	86.89	84.57	2.8	
D	ELECTRICITY SUPPLY	109.45	106.23	3.0	
35	Electricity supply	109.45	106.23	3.0	
E	WATER SUPPLY	98.89	98.11	0.8	
36	Water collection, treatment and supply	98.89	98.11	0.8	
	MAIN INDUSTRIAL GROUPINGS				
1	Energy	105.82	103.03	2.7	
2	Intermediate goods	116.39	115.44	0.8	
3	Capital goods	129.68	111.72	16.1	
4	Consumer Durables	102.50	101.29	1.2	
5	Consumer Non-Durables	116.60	117.22	-0.5	

## Notes.

<sup>1.</sup> The indices are rounded up to two decimal digits when published and percentage changes up to one decimal digit when published.

<sup>2.</sup> The whole time-series with seasonally adjusted indices is recalculated every time a new observation is added in the time-series.

<sup>3.</sup> The composed index of divisions 05-06-09 is not seasonally adjusted, due to the fact that it is calculated from January 2015 and thus the number of observations is not adequate.

**Table 5. Evolution of the Overall Industrial Production Index** 

(Working day adjusted data, according to the real number of working days)

Base year: 2015=100.0

Vanna I			Monthly rate	Annual rate	12-month average	Rate of change of the 12-month
Year a	and month	Overall Index	of change (%)	of change (%)	index (moving average)	average index (%)
2019:	1	102.78	-6.0	4.1	108.61	2.0
	2	106.85	4.0	1.9	108.78	2.2
	3	108.50	1.5	-0.6	108.73	2.1
	4	107.85	-0.6	2.6	108.96	2.0
	5	108.13	0.3	-0.4	108.92	1.9
	6	112.35	3.9	-0.5	108.88	1.8
	7	118.42	5.4	-2.0	108.67	1.2
	8	104.92	-11.4	-0.03	108.67	1.3
	9	113.05	7.7	1.9	108.85	1.1
	10	104.43	-7.6	-0.7	108.79	1.1
	11	98.28	-5.9	-9.6	107.91	-0.1
	12	105.24	7.1	-3.8	107.57	-0.7
Annual d	average	107.57				
2020*:	1	102.17	-2.9	-0.6	107.52	-1.0
	2	103.80	1.6	-2.9	107.26	-1.4
	3	108.53	4.6	0.03	107.27	-1.3
	4	96.26	-11.3	-10.8	106.30	-2.4
	5	99.25	3.1	-8.2	105.56	-3.1
	6	107.19	8.0	-4.6	105.13	-3.4
	7	118.32	10.4	-0.1	105.12	-3.3
	8	100.77	-14.8	-4.0	104.77	-3.6
	9	110.70	9.8	-2.1	104.58	-3.9
	10	100.99	-8.8	-3.3	104.29	-4.1
	11	106.94	5.9	8.8	105.01	-2.7
	12	108.91	1.8	3.5	105.32	-2.1
Annual average		105.32				
2021*:	1	105.82	-2.8	3.6	105.62	-1.8
	2	108.26	2.3	4.3	106.00	-1.2
	3	114.54	5.8	5.5	106.50	-0.7

<sup>\*</sup> Provisional data

Table 6. Monthly evolution of the seasonally adjusted Overall Industrial Production Index and Main Industrial Groupings

Base year: 2015=100.0

		Overa	ll Index	Ene	ergy	Intermed	liate goods	Capita	Capital goods		er durables	Consumer non-durables	
Year and month	d month	Index	Monthly rate of change (%)	Index	Monthly rate of change (%)	Index	Monthly rate of change (%)	Index	Monthly rate of change (%)	Index	Monthly rate of change (%)	Index	Monthly rate of change (%)
2019:	1	110.23	0.1	114.12	2.8	107.99	0.2	104.85	-1.6	98.81	-8.0	109.26	-2.5
	2	109.50	-0.7	107.65	-5.7	110.77	2.6	113.53	8.3	102.20	3.4	110.04	0.7
	3	107.38	-1.9	99.90	-7.2	112.18	1.3	114.54	0.9	106.24	4.0	110.86	0.7
	4	109.12	1.6	102.76	2.9	114.13	1.7	114.51	-0.03	109.07	2.7	111.50	0.6
	5	107.13	-1.8	98.80	-3.8	111.75	-2.1	114.07	-0.4	106.14	-2.7	111.84	0.3
	6	107.18	0.04	105.70	7.0	107.30	-4.0	112.19	-1.7	105.22	-0.9	107.64	-3.8
	7	106.56	-0.6	101.14	-4.3	108.51	1.1	107.93	-3.8	109.32	3.9	111.10	3.2
	8	108.57	1.9	109.07	7.8	107.58	-0.9	111.99	3.8	96.43	-11.8	108.45	-2.4
	9	109.39	0.8	103.47	-5.1	110.84	3.0	115.61	3.2	105.34	9.2	113.98	5.1
	10	107.56	-1.7	101.40	-2.0	111.44	0.5	112.08	-3.1	109.18	3.7	110.70	-2.9
	11	101.66	-5.5	90.19	-11.1	106.59	-4.4	107.37	-4.2	115.80	6.1	109.45	-1.1
	12	106.08	4.4	94.93	5.3	109.20	2.5	116.22	8.2	108.84	-6.0	114.31	4.4
Annual	average	107.53		102.43		109.86		112.07		106.05		110.76	
2020:	1	110.31	4.0	101.22	6.6	114.48	4.8	119.55	2.9	120.99	11.2	115.06	0.7
	2	106.45	-3.5	95.37	-5.8	112.37	-1.8	115.53	-3.4	112.02	-7.4	112.55	-2.2
	3	107.42	0.9	98.13	2.9	112.68	0.3	109.74	-5.0	97.28	-13.2	114.47	1.7
	4	98.17	-8.6	100.49	2.4	89.46	-20.6	104.50	-4.8	52.09	-46.5	102.80	-10.2
	5	99.01	0.9	96.46	-4.0	98.79	10.4	103.82	-0.6	67.68	29.9	102.58	-0.2
	6	102.23	3.3	95.34	-1.2	103.98	5.2	109.43	5.4	99.55	47.1	107.44	4.7
	7	106.35	4.0	100.29	5.2	110.31	6.1	118.51	8.3	119.26	19.8	106.74	-0.7
	8	105.23	-1.0	95.41	-4.9	113.99	3.3	110.60	-6.7	106.66	-10.6	108.81	1.9
	9	106.94	1.6	97.38	2.1	111.81	-1.9	112.65	1.9	103.22	-3.2	113.39	4.2
	10	103.85	-2.9	88.58	-9.0	112.39	0.5	115.82	2.8	102.41	-0.8	112.57	-0.7
	11	110.44	6.3	102.94	16.2	117.09	4.2	116.31	0.4	99.31	-3.0	113.35	0.7
	12	110.08	-0.3	104.17	1.2	116.97	-0.1	110.69	-4.8	97.25	-2.1	112.35	-0.9
Annual	average	105.54		97.98		109.53		112.26		98.14		110.18	
2021:	1	113.59	3.2	108.12	3.8	120.15	2.7	113.34	2.4	97.73	0.5	115.97	3.2
	2	110.92	-2.3	103.03	-4.7	115.44	-3.9	111.72	-1.4	101.29	3.6	117.22	1.1
	3	113.43	2.3	105.82	2.7	116.39	0.8	129.68	16.1	102.50	1.2	116.60	-0.5

## Notes:

 $<sup>1. \ \, \</sup>textit{The indices are rounded up to two decimal digits when published and percentage changes up to one decimal digit when published.}$ 

<sup>2.</sup> The whole time-series with seasonally adjusted indices is recalculated every time a new observation is added in the time-series.

### **METHODOLOGICAL NOTES**

Generally

The Industrial Production Index (IPI) in Greece has been compiled by the Hellenic Statistical Authority (ELSTAT) from 1959 onwards.

Purpose of the index

The objective of the index is to compare the magnitude (volume) of the output in the current month in the mining and quarrying, manufacturing, electricity and water supply divisions with the corresponding output of a given fixed period, which is considered as base period. The Industrial Production Index shows the evolution of the value added of the production factors cost, at constant prices.

Legal framework

The compilation of the IPI is based on the framework of the implementation of Council Regulation (EC) No 1165/1998 concerning short-term statistics (STS-R). Furthermore, the IPI is governed by Regulation (EC) No 1893/2006 of the European Parliament and of the Council, by Commission Regulation (EC) No 656/2007, by Council Regulation (EC) No 451/2008, by Regulation (EU) No 2019/2152 of the European Parliament and of the Council on European business statistics, as well as Commission Implementing Regulation (EU) No 2020/1197 laying down technical specifications and arrangements pursuant to Regulation (EU) No 2019/2152.

Reference period

Month.

Base year

2015=100.0.

Revision

The IPI is a fixed base index. The Industrial Production Index was currently revised with new base year 2015 (2015=100.0) according to the provisions of Council Regulation No 1165/1998 concerning short-term statistics. Short-term indices are revised every five (5) years, particularly in calendar years ending in 0 or 5.

Statistical classifications

At the level of branches of economic activities, the statistical classification of economic activities NACE Rev.2 of EU was used (Regulation No 1893/2006), while at the level of main industrial groupings, the allocation of two-digit and three-digit NACE Rev. 2 headings to categories of aggregate classification was used, in accordance with Council Regulation No 656/2007. At product level, the statistical classification CPA 2008 of EU was used, according to Council Regulation No 451/2008.

Geographical coverage

The index covers the whole Country.

Coverage of economic activities

The index covers all the sections of industry, the main industrial groups, as well as all levels of economic activity.

Statistical survey

The data are collected from a sample of 1,263 enterprises. The survey covers 325 products and the measurement of the surveyed products is made in terms of output quantities or in terms of production value or turnover, according to the specific features in each branch of economic activity.

Data collection and processing in the context of the COVID-19 pandemic The compilation of the indices was mainly based on data collected by the enterprises (via web-based application, email), as well as data from administrative sources. In order to deal with missing data for products measured in terms of output quantities, appropriate estimation methods were applied on a case-by-case basis. The estimation is made at product per enterprise level, either on the basis of the annual rate of change in the turnover of the enterprise producing the product, or on the basis of the average annual rate of change in the quantity produced by the other enterprises, for which data were collected during the reference month (ratio imputation).

For March 2021 there was no significant change in the data collection compared to previous reference months.

Seasonal adjustment

Seasonal adjustment is the procedure followed to remove the impact of seasonality on the time-series (i.e. the impact of monthly effects, e.g. holidays, tourist period etc.), in order to improve comparability over time. The method applied is TRAMO-SEATS with the use of JDemetra+ 2.0.0.

For the seasonal adjustment of the Industrial Production Index at 2-digit level of NACE Rev.2, at section level (B – Mining and Quarrying, C – Manufacturing, D – Electricity and E – Water Supply) and for the Main Industrial Groupings (MIGs), the direct approach is applied, namely each time-series is seasonally adjusted independently. For the overall Industrial Production Index, the indirect approach is applied, with the seasonally adjusted IPI being computed by aggregating the seasonally adjusted MIGs using appropriate weights.

# Seasonal adjustment in the context of the COVID-19 pandemic

The COVID-19 outbreak has a severe impact on several economic activities. Given the fact that, calendar and seasonal adjustment corresponds to predictable and recurrent phenomena, the impact of COVID-19 pandemic, as an extraordinary phenomenon, shall not be included in the calendar or seasonal component of the time-series.

According to the methodological recommendations and guidance of the European Statistical Service (Eurostat) on time-series treatment in the context of the COVID-19 pandemic, this impact is strongly suggested to be treated as outlier and be included in the trend-cycle component or in the irregular, depending on the type of outlier.

During the seasonal adjustment of time-series for March 2021, outliers were determined (additive outliers) in cases where it was deemed appropriate, based on statistical criteria and economic information. As new observations become available and are added in the time-series, the type of outliers may change (from additive outlier to a transitory change or a level shift), depending on the evolution of the phenomenon, which may result in significant revisions, only to the already published seasonally adjusted data (Tables 4 and 6 and Graphs 1, 4, 5 and 6).

## **Publication of data**

The revised IPI with the new base year 2015 (2015=100.0) is released since July 2019, with May 2019 as the first reference month. Data with base year 2015=100.0 are available from January 2000 onwards.

#### References

More information about the methodology concerning the compilation and calculation of the index and the time series are available on the website of the Hellenic Statistical Authority (ELSTAT) (http://www.statistics.gr/en/statistics/-/publication/DKT21/-).