REPUBLIC OF RWANDA

APRIL 2019
INDEX OF INDUSTRIAL PRODUCTION
(IIP)

This is the monthly Index of Industrial Production (IIP). Series has been developed by the National Institute of Statistics of Rwanda (NISR) to provide more timely estimates of the broad trends of industrial output.

April 2019

Index of Industrial Production

(IIP)

June 2019

NATIONAL INSTITUTE OF STATISTICS OF RWANDA

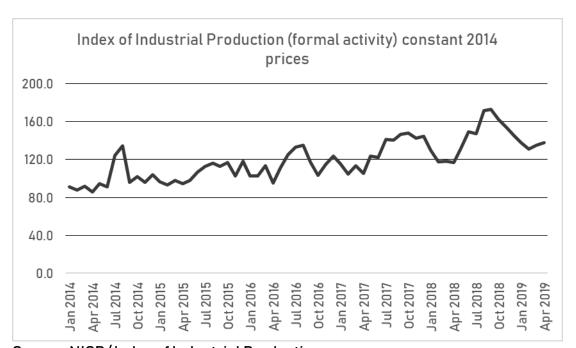# Monthly Index of Industrial Production – formal activity April 2019

1. Summary

In April 2019, the Index of Industrial Production (IIP) shows that: industrial output (formal sector) increased by 18.4 per cent compared to April 2018, against 14.5 per cent in March 2019 when compared to March 2018.

Activities in industry increased as follows:
  ➢ Mining and quarrying grew by 3.5 per cent;
  ➢ Manufacturing grew by 26.6 per cent;
  ➢ Electricity grew by 12.9 per cent; and
  ➢ Water and waste management grew by 13.6 per cent

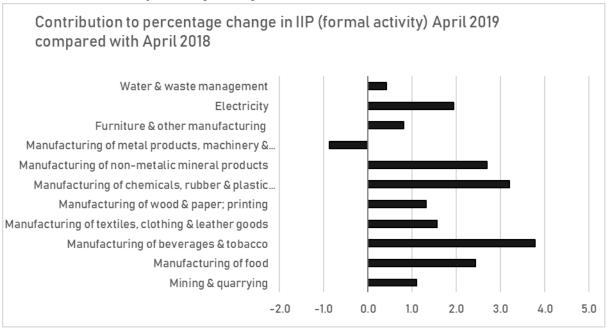Chart 1: Index of Industrial Production (formal activity) constant 2014 prices

Source: NISR/ Index of Industrial Production

2. Details

The increase in manufacturing is due mainly to an increase of 29.6 percent in manufacturing of beverages & tobacco; 13.2 percent increase in manufacturing of food; 55.7 percent increase in manufacturing of chemicals, rubber & plastic products; and 185.5 increase in manufacturing of non-metallic mineral products.

Chart 2: Contribution to percentage change

Contribution to percentage change in IIP (formal activity) April 2019 compared with April 2018

Source: NISR/Index of Industrial Production

Table 1: Index of Industrial Production, formal activity, 2014=100

				Manufacturing of:									
	Mining & quarrying	Food	Beverages & tobacco	Textiles, clothing & leather goods	Wood & paper; printing	Chemicals, rubber & plastic products	Non-metallic mineral products	Metal products, machinery & equipment	Furniture & other manufacturing	Manufacturing Total	Electricity	Water & waste management	General Index
Jan 2016	90.0	112.3	99.1	88.3	103.6	103.5	139.7	135.6	105.0	108.9	122.2	102.8	102.6
Feb 2016	90.9	114.9	103.3	80.2	95.9	105.2	137.1	149.4	109.8	112.4	111.6	97.5	102.8
Mar 2016	97.6	127.4	110.4	178.5	96.8	142.9	162.0	166.5	100.6	125.7	123.4	112.1	113.6
Apr 2016	78.3	95.5	92.8	89.6	113.9	110.7	155.3	139.8	102.8	102.9	120.7	106.9	95.5
May 2016	93.8	124.7	111.1	101.3	93.1	124.2	180.7	154.7	116.9	121.9	127.3	110.5	111.2
Jun 2016	119.2	116.7	117.8	93.8	95.9	151.5	175.8	267.1	123.1	135.8	120.2	113.0	125.4
Jul 2016	135.2	120.6	128.3	75.3	303.5	130.4	171.5	162.4	106.6	133.7	120.5	118.6	132.9
Aug 2016	132.2	141.1	134.4	84.2	100.4	156.2	155.7	192.9	124.2	140.9	127.4	119.4	135.0
Sep 2016	110.5	137.0	98.0	51.0	104.5	155.7	165.1	173.4	103.1	126.8	120.2	111.4	117.8
Oct 2016	83.9	115.5	91.9	80.5	146.0	133.2	190.1	139.5	83.6	114.5	126.8	113.8	103.1
Nov 2016	114.3	112.4	81.3	122.9	113.9	149.8	181.6	187.6	88.6	114.9	124.2	107.4	115.0
Dec 2016	113.7	119.2	121.3	291.0	125.8	125.9	200.0	161.2	123.5	129.5	128.5	114.3	123.4
Jan 2017	103.0	107.6	112.5	135.9	145.5	155.2	181.1	164.9	112.6	122.7	125.5	113.4	115.4
Feb 2017	99.6	94.4	93.6	70.8	108.2	131.9	155.3	159.7	86.7	107.3	116.8	101.4	104.5
Mar 2017	96.8	115.5	111.7	172.8	137.7	149.3	174.6	145.3	116.3	125.0	132.6	110.0	113.8
Apr 2017	91.6	116.8	93.3	62.7	115.9	134.5	171.5	118.2	99.1	114.0	127.2	108.6	105.2
May 2017	106.5	131.5	91.6	746.2	104.4	167.1	190.7	165.4	130.2	131.9	135.5	115.3	123.7
Jun 2017	102.9	123.1	100.6	228.1	89.7	198.1	192.5	296.5	110.8	141.8	128.5	119.4	122.2
Jul 2017	148.8	127.8	108.5	225.5	115.7	184.1	179.7	188.6	152.3	134.8	136.1	121.7	141.0
Aug 2017	145.5	127.1	116.0	206.4	99.3	177.7	218.8	183.0	121.2	136.4	139.6	119.8	140.5
Sep 2017	179.2	130.5	89.7	70.2	92.6	139.6	229.4	156.9	110.5	123.4	134.7	113.5	146.4
Oct 2017	173.0	148.6	87.6	166.9	100.2	147.5	206.7	145.9	155.1	130.2	140.1	109.6	147.8
Nov 2017	156.9	151.8	80.1	249.7	173.0	179.8	216.3	149.3	133.0	134.6	134.6	112.7	142.8
Dec 2017	140.3	166.9	115.0	359.9	131.1	178.3	227.1	148.7	151.6	151.3	138.2	117.8	144.7
Jan 2018	112.0	161.0	102.4	291.9	155.5	180.3	203.3	156.0	140.8	144.8	139.6	117.8	130.0
Feb 2018	92.8	157.9	100.7	324.0	130.6	160.2	173.9	144.3	134.9	137.9	131.7	103.4	117.7
Mar 2018	80.1	162.9	110.0	222.2	116.8	186.4	204.6	189.4	112.4	148.8	144.9	112.9	118.3
Apr 2018	89.8	162.3	99.5	416.8	121.7	164.6	72.1	200.7	109.3	139.8	133.1	106.1	116.8
May 2018	94.8	171.9	112.2	575.6	128.7	224.6	176.2	235.5	111.7	159.3	148.5	114.5	131.7
Jun 2018	137.9	146.0	118.3	300.7	129.1	183.8	257.1	377.2	118.6	167.4	146.0	117.5	149.4
Jul 2018	125.7	160.0	136.3	290.2	113.4	196.2	271.1	248.8	137.7	164.6	152.8	128.6	147.0
Aug 2018	177.8	173.9	135.9	226.9	135.9	225.7	248.4	287.1	133.5	176.9	153.7	126.4	171.9
Sep 2018	203.2	154.5	114.9	341.7	147.1	173.0	274.6	233.3	110.7	157.1	148.1	123.6	173.2
Oct 2018	175.2	154.1	108.5	402.1	122.9	191.0	247.7	240.4	112.6	156.8	154.3	124.7	162.0
Nov 2018	155.7	166.4	101.6	434.2	138.7	217.0	256.1	195.5	125.4	158.6	145.4	121.1	153.9
Dec 2018	128.3	142.0	137.3	656.4	122.9	210.4	224.7	188.3	103.2	158.7	148.0	125.4	145.1
Jan 2019	116.1	150.4	127.8	450.0	167.6	220.8	176.2	166.4	108.3	155.4	152.7	124.8	138.1
Feb 2019	107.9	141.6	120.2	492.8	188.9	195.6	180.9	164.2	133.4	150.8	141.2	114.4	130.9
Mar 2019	95.6	159.6	106.3	716.2	237.2	217.4	300.7	197.6	136.7	170.2	154.0	123.7	135.5
Apr 2019	92.9	183.7	129.0	642.3	217.1	256.3	205.9	168.0	152.7	177.1	150.3	120.5	138.2

Source: NISR/ Index of Industrial Production

Table 2: Index of Industrial Production, formal activity, 2014=100, percentage change on same month in previous year

				Manufacturing of:									
	Mining & quarrying	Food	Beverages & tobacco	Textiles, clothing & leather goods	Wood & paper; printing	Chemicals, rubber & plastic products	Non–metallic mineral products	Metal products, machinery & equipment	Furniture & other manufacturing	Manufacturing Total	Electricity	Water & waste management	General Index
Jan 2016	5.2%	22.8%	-7.4%	-15.5%	-5.3%	-3.1%	31.2%	18.7%	-10.6%	7.7%	14.2%	-2.8%	6.3%
Feb 2016	8.1%	10.0%	1.8%	20.5%	22.6%	4.4%	58.5%	24.1%	10.3%	9.9%	15.0%	4.6%	10.1%
Mar 2016	16.3%	17.9%	1.7%	121.7%	4.3%	14.2%	82.0%	27.5%	-11.9%	13.4%	19.5%	10.8%	15.9%
Apr 2016	-5.1%	-9.4%	-1.5%	95.2%	11.8%	17.5%	55.6%	7.2%	-24.1%	-0.7%	14.0%	11.3%	1.2%
May 2016	15.9%	15.9%	5.1%	-21.2%	-9.5%	9.7%	117.4%	15.6%	18.4%	13.7%	6.2%	10.2%	13.3%
Jun 2016	31.7%	-13.2%	4.7%	-39.5%	-9.3%	13.3%	113.1%	75.2%	-16.5%	9.4%	19.0%	14.0%	17.4%
Jul 2016	30.6%	-5.2%	5.0%	37.5%	228.1%	4.6%	48.2%	1.6%	-16.4%	7.9%	9.0%	15.9%	17.3%
Aug 2016	20.2%	10.9%	8.2%	37.7%	-3.5%	17.1%	43.6%	9.4%	6.0%	11.1%	17.9%	18.0%	15.9%
Sep 2016	6.2%	10.6%	-9.9%	-46.2%	9.9%	25.3%	-22.9%	-5.0%	-2.5%	1.0%	14.5%	14.6%	4.3%
Oct 2016	-27.9%	-17.4%	-1.3%	-6.6%	11.2%	18.7%	3.2%	8.1%	-22.0%	-4.5%	10.5%	14.7%	-11.7%
Nov 2016	23.8%	1.3%	-11.5%	176.7%	5.4%	8.9%	31.3%	14.7%	-15.3%	3.1%	10.3%	8.5%	11.7%
Dec 2016	6.4%	-15.8%	-1.5%	104.6%	-1.8%	1.6%	19.9%	26.0%	-14.6%	-1.7%	15.6%	15.4%	4.2%
Jan 2017	14.5%	-4.2%	13.6%	53.9%	40.4%	50.0%	29.7%	21.6%	7.2%	12.6%	2.7%	10.3%	12.4%
Feb 2017	9.6%	-17.9%	-9.3%	-11.7%	12.8%	25.3%	13.3%	6.9%	-21.0%	-4.6%	4.6%	4.0%	1.6%
Mar 2017	-0.9%	-9.4%	1.2%	-3.2%	42.3%	4.5%	7.8%	-12.8%	15.6%	-0.5%	7.5%	-1.9%	0.2%
Apr 2017	17.1%	22.3%	0.5%	-30.1%	1.7%	21.4%	10.4%	-15.5%	-3.6%	10.7%	5.4%	1.6%	10.1%
May 2017	13.6%	5.4%	-17.5%	636.8%	12.1%	34.5%	5.5%	6.9%	11.4%	8.2%	6.4%	4.3%	11.2%
Jun 2017	-13.7%	5.5%	-14.6%	143.2%	-6.4%	30.7%	9.5%	11.0%	-10.0%	4.4%	7.0%	5.6%	-2.5%
Jul 2017	10.1%	6.0%	-15.4%	199.3%	-61.9%	41.2%	4.8%	16.1%	42.8%	0.8%	12.9%	2.6%	6.1%
Aug 2017	10.1%	-9.9%	-13.7%	145.2%	-1.1%	13.8%	40.6%	-5.1%	-2.4%	-3.2%	9.6%	0.4%	4.0%
Sep 2017	62.1%	-4.8%	-8.4%	37.7%	-11.4%	-10.4%	39.0%	-9.5%	7.2%	-2.7%	12.1%	1.9%	24.3%
Oct 2017	106.1%	28.6%	-4.6%	107.4%	-31.3%	10.7%	8.7%	4.6%	85.6%	13.7%	10.5%	-3.7%	43.3%
Nov 2017	37.3%	35.0%	-1.6%	103.2%	51.9%	20.0%	19.1%	-20.4%	50.2%	17.1%	8.4%	4.9%	24.2%
Dec 2017	23.3%	40.0%	-5.2%	23.7%	4.2%	41.6%	13.5%	-7.8%	22.7%	16.9%	7.6%	3.1%	17.3%
Jan 2018	8.8%	49.6%	-9.0%	114.8%	6.9%	16.2%	12.3%	-5.4%	25.1%	18.1%	11.3%	3.8%	12.6%
Feb 2018	-6.9%	67.3%	7.5%	357.7%	20.7%	21.5%	11.9%	-9.7%	55.6%	28.6%	12.7%	2.0%	12.7%
Mar 2018	-17.2%	41.1%	-1.5%	28.6%	-15.2%	24.8%	17.1%	30.4%	-3.4%	19.0%	9.2%	2.7%	3.9%
Apr 2018	-1.9%	39.0%	6.7%	565.3%	5.1%	22.4%	-57.9%	69.9%	10.2%	22.7%	4.6%	-2.3%	11.0%
May 2018	-11.1%	30.7%	22.4%	-22.9%	23.3%	34.4%	-7.6%	42.3%	-14.2%	20.7%	9.6%	-0.7%	6.5%
Jun 2018	34.0%	18.6%	17.6%	31.9%	43.9%	-7.2%	33.5%	27.2%	7.0%	18.1%	13.6%	-1.6%	22.2%
Jul 2018	-15.5%	25.1%	25.7%	28.7%	-2.0%	6.6%	50.8%	31.9%	-9.5%	22.1%	12.3%	5.6%	4.3%
Aug 2018	22.2%	36.8%	17.1%	9.9%	36.8%	27.0%	13.5%	56.9%	10.2%	29.7%	10.1%	5.5%	22.4%
Sep 2018	13.4%	18.4%	28.1%	386.8%	58.9%	23.9%	19.7%	48.7%	0.2%	27.3%	9.9%	8.9%	18.3%
Oct 2018	1.3%	3.7%	23.8%	140.8%	22.6%	29.5%	19.8%	64.7%	-27.4%	20.4%	10.1%	13.8%	9.6%
Nov 2018	-0.8%	9.7%	27.0%	73.9%	-19.8%	20.7%	18.4%	30.9%	-5.7%	17.8%	8.0%	7.5%	7.8%
Dec 2018	-8.5%	-14.9%	19.4%	82.4%	-6.3%	18.0%	-1.0%	26.6%	-31.9%	4.8%	7.1%	6.5%	0.3%
Jan 2019	3.6%	-6.6%	24.8%	54.2%	7.8%	22.5%	-13.3%	6.7%	-23.1%	7.3%	9.4%	5.9%	6.3%
Feb 2019	16.3%	-10.3%	19.4%	52.1%	44.7%	22.1%	4.1%	13.8%	-1.1%	9.4%	7.3%	10.6%	11.2%
Mar 2019	19.3%	-2.0%	-3.4%	222.4%	103.1%	16.7%	47.0%	4.3%	21.7%	14.4%	6.3%	9.6%	14.5%
Apr 2019	3.5%	13.2%	29.6%	54.1%	78.3%	55.7%	185.5%	-16.3%	39.8%	26.6%	12.9%	13.6%	18.4%

Source: NISR/ Index of Industrial Production

Notes

IIP definition

IIP is a statistical instrument used to monitor the monthly trends in output of industrial activities.

The IIP series presented in this statistical release have been developed based on range of short term monthly indicators of economic activity. These sources are still under development. The series should therefore be considered as 'experimental', and will be further developed in the coming period to improve their quality and consistency with the annual estimates.

The IIP in this statistical release relates to the activity of businesses in the formal sector in Rwanda, defined as those registered with the tax authorities.

The IIP series is entirely consistent with the quarterly estimates of Gross Value Added published by NISR, which still provide the most comprehensive and detailed assessment of economic activity. However, the IIP provides more timely estimates of the volume of economic activity in the industrial sector, which includes mining and quarrying, manufacturing, as well as electricity and water production activities.

The IIP is produced based on monthly indicators of the volume of economic activity for eleven industrial activities classified according to the International Standard Industrial Classification Revision 4 (ISIC Rev 4). These are weighted together based on the gross value added in the reference year for the series (currently, 2014), consistent with the estimates of published value added within the Gross Domestic Product series, see table below.

Table 3: 2014 Gross Value Added

ISIC	Activity	Gross Value Added (RWF, billions)	Percentage of total GVA
B	Mining & quarrying	147.1	41.1%
CA	Manufacturing of food	47.3	13.2%
CB	Manufacturing of beverages & tobacco	53.7	15.0%
CC	Manufacturing of textiles, clothing & leather goods	2.9	0.8%
CD	Manufacturing of wood & paper; printing	5.7	1.6%
CE	Manufacturing of chemicals, rubber & plastic products	14.6	4.1%
CF	Manufacturing of non-metallic mineral products	8.4	2.3%
CG	Manufacturing of metal products, machinery & equipment	11.2	3.1%
CH	Furniture & other manufacturing	7.8	2.2%
D	Electricity	47.1	13.1%
E	Water & waste management	11.9	3.3%
	Total	357.9	100.0%

Source: NISR/ Index of Industrial Production

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