



REPUBLIC OF RWANDA



MAY 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.

May 2019
Index of Industrial
Production
(IIP)

July 2019

NATIONAL INSTITUTE OF STATISTICS OF RWANDA

Monthly Index of Industrial Production – formal activity May 2019

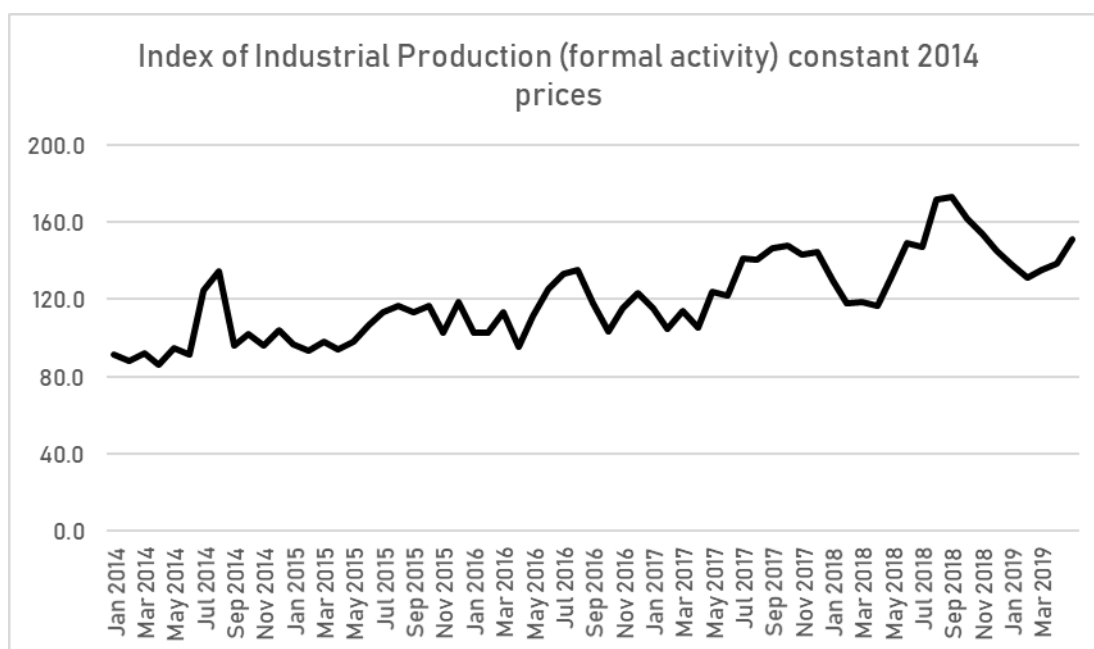
1. Summary

In May 2019, the Index of Industrial Production (IIP) shows that: industrial output (formal sector) increased by 14.7 percent compared to May 2018, against 18.4 percent in April 2019 when compared to April 2018.

Activities in industry increased as follows:

- Mining and quarrying grew by 9.8 percent;
- Manufacturing grew by 23.3 percent;
- Electricity grew by 8.3 percent; and
- Water and waste management grew by 13.6 percent

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

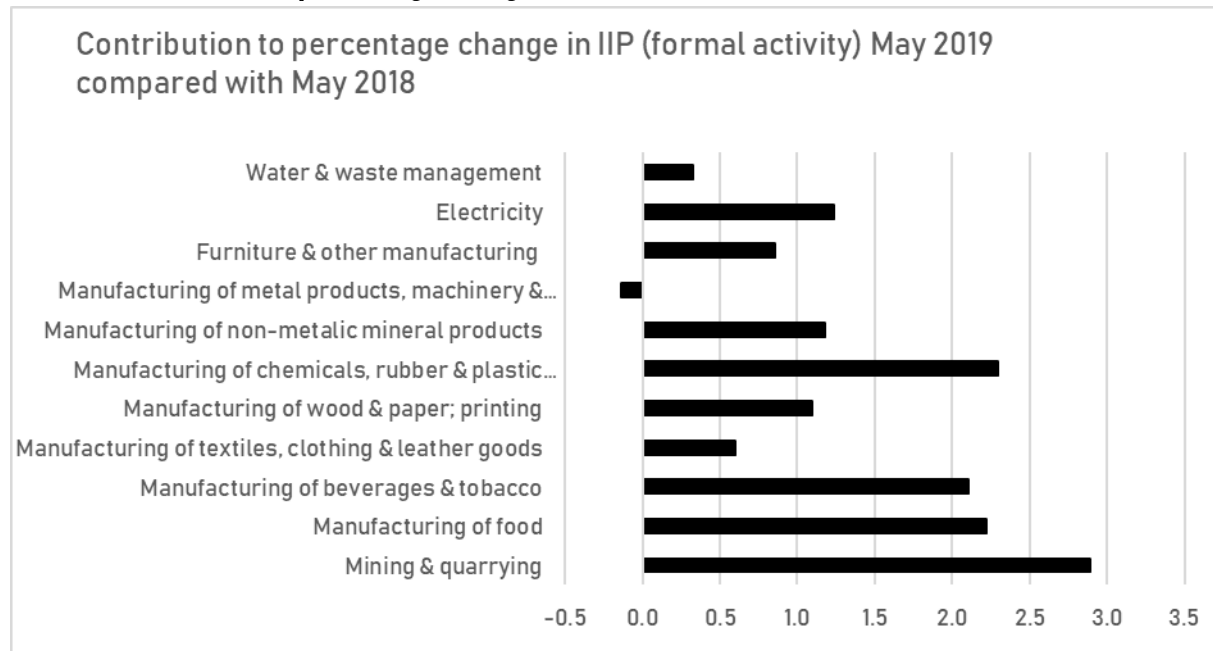


Source: NISR/ Index of Industrial Production

2. Details

The increase in manufacturing is due mainly to an increase of 16.5 percent in manufacturing of beverages & tobacco; 12.9 percent increase in manufacturing of food; 33.0 percent increase in manufacturing of chemicals, rubber & plastic products; and 37.6 percent increase in manufacturing of non-metallic mineral products.

Chart 2: Contribution to percentage change



Source: NISR/ Index of Industrial Production

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

	Manufacturing of:											Electricity	Water & waste management	General Index
	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				
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	
May 2019	104.0	194.0	130.7	672.6	218.6	298.8	242.3	229.8	163.3	196.4	160.8	127.5	151.1	

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:											Electricity	Water & waste management	General Index
	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				
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%	
May 2019	9.8%	12.9%	16.5%	16.8%	69.8%	33.0%	37.6%	-2.4%	46.2%	23.3%	8.3%	11.3%	14.7%	

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 Rwanda Classification of Products by Activity (RCPA). 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 3. The correspondence table between RCPA and ISIC (International Standard Industrial Classification) Revision 4 is shown in Table 4.

Table 3: 2014 Gross Value Added

RCPA	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

Table 4: Matching table between Rwanda Products Classification by Activity (RCPA) and International Standard Industrial Classification Revision 4 (ISIC Rev 4)

RCPA (Rwanda Classification of Products by Activity)			ISIC Rev.4 (here R stands for Rwanda)		
Code	Level	Description	Code	Code1	Description
B	2	Mining and quarrying	R	RB	Mining and quarrying
CA	4	Manufacturing of food	RC	RC10	Manufacture of food products
CB	4	Manufacturing of beverages & tobacco	RC	RC11	Manufacture of beverages
CB	4	Manufacturing of beverages & tobacco	RC	RC12	Manufacture of tobacco products
CC	4	Manufacturing of textiles, clothing & leather goods	RC	RC13	Manufacture of textiles
CC	4	Manufacturing of textiles, clothing & leather goods	RC	RC14	Manufacture of wearing apparel
CC	4	Manufacturing of textiles, clothing & leather goods	RC	RC15	Manufacture of leather and related products
CD	4	Manufacturing of wood & paper; printing	RC	RC16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
CD	4	Manufacturing of wood & paper; printing	RC	RC17	Manufacture of paper and paper products
CD	4	Manufacturing of wood & paper; printing	RC	RC18	Printing and reproduction of recorded media
CE	4	Manufacturing of chemicals, rubber & plastic products	RC	RC19	Manufacture of coke and refined petroleum products
CE	4	Manufacturing of chemicals, rubber & plastic products	RC	RC20	Manufacture of chemicals and chemical products
CE	4	Manufacturing of chemicals, rubber & plastic products	RC	RC21	Manufacture of pharmaceuticals, medicinal chemical and botanical products
CE	4	Manufacturing of chemicals, rubber & plastic products	RC	RC22	Manufacture of rubber and plastics products
CF	4	Manufacturing of non-metallic mineral products	RC	RC23	Manufacture of other non-metallic mineral products
CG	4	Manufacturing of metal products, machinery & equipment	RC	RC24	Manufacture of basic metals
CG	4	Manufacturing of metal products, machinery & equipment	RC	RC25	Manufacture of fabricated metal products, except machinery and equipment
CG	4	Manufacturing of metal products, machinery & equipment	RC	RC26	Manufacture of computer, electronic and optical products
CG	4	Manufacturing of metal products, machinery & equipment	RC	RC27	Manufacture of electrical equipment
CG	4	Manufacturing of metal products, machinery & equipment	RC	RC28	Manufacture of machinery and equipment n.e.c.
CG	4	Manufacturing of metal products, machinery & equipment	RC	RC29	Manufacture of motor vehicles, trailers and semi-trailers
CG	4	Manufacturing of metal products, machinery & equipment	RC	RC30	Manufacture of other transport equipment
CH	4	Furniture & other manufacturing	RC	RC31	Manufacture of furniture
CH	4	Furniture & other manufacturing	RC	RC32	Other manufacturing
CH	4	Furniture & other manufacturing	RC	RC33	Repair and installation of machinery and equipment
E	4	Electricity	RD	RD35	Electricity, gas, steam and air conditioning supply
D	4	Water & waste management	RE	RE36	Water collection, treatment and supply

Source: NISR/Index of Industrial Production

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