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## **STATISTICAL RELEASE**

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# **Manufacturing: Production and sales (Preliminary)**

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## Contents

<b>Production: results for March 2024</b> .....	<b>2</b>
Table A – Key growth rates in the volume of manufacturing production .....	2
Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2019=100) .....	3
Figure 1 – Volume of manufacturing production (Base: 2019=100) .....	4
Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change .....	4
<b>Sales: results for March 2024</b> .....	<b>5</b>
Table C – Key growth rates in manufacturing sales at current prices .....	5
Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division .....	5
<b>Tables</b> .....	<b>6</b>
Table 1 – Index of the volume of manufacturing production (Base: 2019=100).....	6
Table 2 – Year-on-year percentage change in the volume of manufacturing production .....	6
Table 3 – Seasonally adjusted volume of manufacturing production .....	6
Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2019=100) .....	7
Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2019=100) .....	8
Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points) .....	9
Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2019=100) .....	10
Table 8 – Manufacturing sales at current prices (R million) .....	11
Table 9 – Year-on-year percentage change in manufacturing sales at current prices.....	11
Table 10 – Seasonally adjusted manufacturing sales at current prices .....	11
Table 11 – Manufacturing sales at current prices by division and major group (R million) .....	12
Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group.....	13
Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points) .....	14
Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million) .....	15
<b>Explanatory notes</b> .....	<b>16</b>
<b>Technical notes</b> .....	<b>17</b>
Table E – Weights by division and major group .....	19
<b>Glossary</b> .....	<b>21</b>
<b>Technical enquiries</b> .....	<b>21</b>
<b>General information</b> .....	<b>22</b>

## Production: results for March 2024

**Table A – Key growth rates in the volume of manufacturing production**

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Year-on-year % change, unadjusted	2,7	2,7	2,1	3,0	4,0	-6,4
Month-on-month % change, seasonally adjusted	0,2	0,8	-0,9	0,8	-1,0	-2,2
3-month % change, seasonally adjusted <sup>1</sup>	-0,5	-0,2	0,3	0,4	-0,1	-1,0

<sup>1</sup> Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production decreased by 6,4% in March 2024 compared with March 2023. The following divisions made the largest negative contributions:

- motor vehicles, parts and accessories and other transport equipment (-25,9% and contributing -2,7 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (-9,0% and contributing -1,9 percentage points); and
- petroleum, chemical products, rubber and plastic products (-3,9% and contributing -0,8 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 2,2% in March 2024 compared with February 2024. This followed month-on-month changes of -1,0% in February 2024 and 0,8% in January 2024 – see Table A.

Seasonally adjusted manufacturing production decreased by 1,0% in the first quarter of 2024 compared with the fourth quarter of 2023. Five of the ten manufacturing divisions reported negative growth rates over this period.

The following divisions made the largest negative contributions:

- motor vehicles, parts and accessories and other transport equipment (-14,9% and contributing -1,5 percentage points); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-3,1% and contributing -0,6 of a percentage point).

The largest positive contributions were made by the following divisions:

- food and beverages (2,7% and contributing 0,6 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (2,6% and contributing 0,5 of a percentage point) – see Table B.

**Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2019=100)**

Manufacturing division and major group	Weight	Oct – Dec 2023	Jan – Mar 2024	% change between Oct – Dec 2023 and Jan – Mar 2024	Contribution (% points) to the total % change
<b>Food and beverages</b>	<b>21,44</b>	<b>99,3</b>	<b>102,0</b>	<b>2,7</b>	<b>0,6</b>
Meat, fish, fruit, etc.	3,42	104,6	108,9	4,1	0,2
Dairy products	1,47	95,6	96,7	1,2	0,0
Grain mill products	1,85	99,5	103,8	4,3	0,1
Other food products	7,81	90,2	95,3	5,7	0,4
Beverages	6,89	107,6	106,7	-0,8	-0,1
<b>Textiles, clothing, leather and footwear</b>	<b>4,07</b>	<b>92,0</b>	<b>90,8</b>	<b>-1,3</b>	<b>-0,1</b>
Textiles	1,04	108,7	96,5	-11,2	-0,1
Other textile products	0,58	90,9	84,2	-7,4	0,0
Knitted, crocheted articles	0,06	85,8	80,1	-6,6	0,0
Wearing apparel	1,88	84,7	90,9	7,3	0,1
Leather and leather products	0,26	79,0	82,6	4,6	0,0
Footwear	0,25	96,0	93,1	-3,0	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,48</b>	<b>97,1</b>	<b>96,8</b>	<b>-0,3</b>	<b>0,0</b>
Sawmilling and planing of wood	0,86	98,9	97,1	-1,8	0,0
Products of wood	0,90	119,6	111,1	-7,1	-0,1
Paper and paper products	5,26	101,8	102,8	1,0	0,1
Publishing	2,10	79,9	77,8	-2,6	0,0
Printing, recorded media	1,36	89,5	93,4	4,4	0,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>24,86</b>	<b>77,6</b>	<b>79,6</b>	<b>2,6</b>	<b>0,5</b>
Coke, petroleum products and nuclear fuel	11,92	61,5	62,4	1,5	0,1
Basic chemicals	3,39	102,4	102,5	0,1	0,0
Other chemical products	6,82	84,5	89,7	6,2	0,4
Rubber products	0,68	93,2	94,5	1,4	0,0
Plastic products	2,05	101,5	102,6	1,1	0,0
<b>Glass and non-metallic mineral products</b>	<b>3,10</b>	<b>105,7</b>	<b>106,6</b>	<b>0,9</b>	<b>0,0</b>
Glass and glass products	0,48	106,3	103,8	-2,4	0,0
Non-metallic mineral products	2,62	105,6	107,1	1,4	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>19,96</b>	<b>96,5</b>	<b>93,5</b>	<b>-3,1</b>	<b>-0,6</b>
Basic iron and steel products	2,92	81,7	85,0	4,0	0,1
Non-ferrous metal products	3,54	89,8	86,2	-4,0	-0,1
Structural metal products	2,01	103,5	105,8	2,2	0,0
Other fabricated metal products	3,65	100,6	98,6	-2,0	-0,1
General purpose machinery	3,45	97,7	97,5	-0,2	0,0
Special purpose machinery	3,73	104,8	91,7	-12,5	-0,5
Household appliances	0,66	100,1	94,8	-5,3	0,0
<b>Electrical machinery</b>	<b>2,14</b>	<b>102,7</b>	<b>106,8</b>	<b>4,0</b>	<b>0,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,06</b>	<b>96,1</b>	<b>102,4</b>	<b>6,6</b>	<b>0,1</b>
Radio, television and communication apparatus	0,08	92,0	88,3	-4,0	0,0
Professional equipment	0,98	96,5	103,6	7,4	0,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,72</b>	<b>106,9</b>	<b>91,0</b>	<b>-14,9</b>	<b>-1,5</b>
Motor vehicles	2,62	110,5	94,0	-14,9	-0,5
Bodies for motor vehicles, trailers and semi-trailers	0,75	111,5	108,3	-2,9	0,0
Parts and accessories	4,03	107,6	83,2	-22,7	-1,1
Other transport equipment	1,32	94,8	99,3	4,7	0,1
<b>Furniture and other manufacturing</b>	<b>4,17</b>	<b>89,4</b>	<b>87,6</b>	<b>-2,0</b>	<b>-0,1</b>
Furniture	0,69	94,1	92,4	-1,8	0,0
Other manufacturing groups	3,48	88,5	86,7	-2,0	-0,1
<b>Total</b>	<b>100</b>	<b>93,3</b>	<b>92,4</b>	<b>-1,0</b>	<b>-1,0</b>

Figure 1 – Volume of manufacturing production (Base: 2019=100)

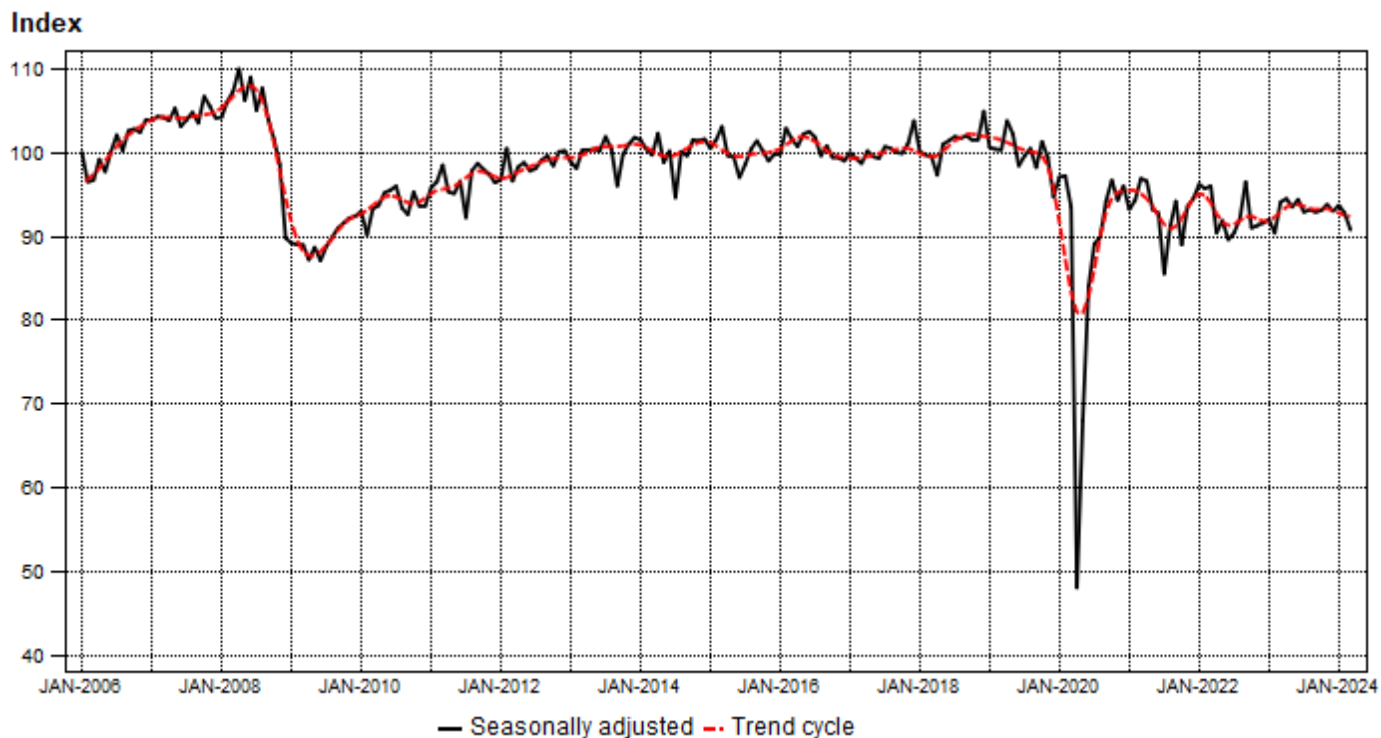
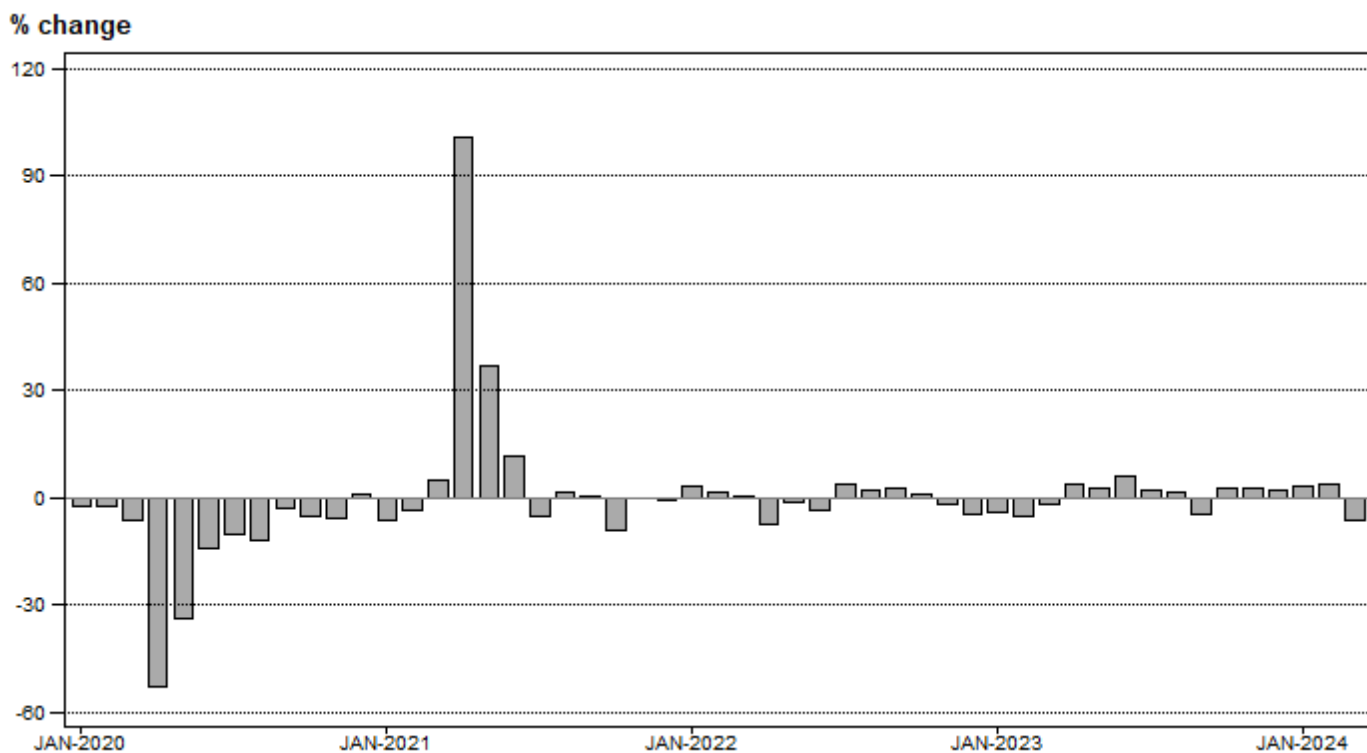


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



**Sales: results for March 2024****Table C – Key growth rates in manufacturing sales at current prices**

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Year-on-year % change, unadjusted	12,4	10,0	10,1	9,6	10,8	-3,3
Month-on-month % change, seasonally adjusted	-0,4	1,5	1,9	-1,4	0,7	-2,0
3-month % change, seasonally adjusted <sup>1</sup>	3,6	2,5	2,0	2,0	2,1	0,1

<sup>1</sup> Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales decreased by 2,0% in March 2024 compared with February 2024. This followed month-on-month changes of 0,7% in February 2024 and -1,4% in January 2024 – see Table C.

**Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division**

Manufacturing division	Oct – Dec 2023 (R million)	Jan – Mar 2024 (R million)	% change between Oct – Dec 2023 and Jan – Mar 2024	Contribution (% points) to the total % change
Food and beverages	192 810	203 555	5,6	1,3
Textiles, clothing, leather and footwear	19 072	19 884	4,3	0,1
Wood and wood products, paper, publishing and printing	56 089	55 419	-1,2	-0,1
Petroleum, chemical products, rubber and plastic products	173 171	180 579	4,3	0,9
Glass and non-metallic mineral products	23 880	23 983	0,4	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	177 299	173 417	-2,2	-0,5
Electrical machinery	21 288	21 095	-0,9	0,0
Radio, television and communication apparatus and professional equipment	7 633	7 535	-1,3	0,0
Motor vehicles, parts and accessories and other transport equipment	148 959	136 103	-8,6	-1,5
Furniture and other manufacturing	31 937	31 771	-0,5	0,0
<b>Total</b>	<b>852 137</b>	<b>853 341</b>	<b>0,1</b>	<b>0,1</b>

Seasonally adjusted manufacturing sales increased by 0,1% in the first quarter of 2024 compared with the fourth quarter of 2023. The largest positive contributions were made by the following divisions:

- food and beverages (5,6% and contributing 1,3 percentage points); and
- petroleum, chemical products, rubber and plastic products (4,3% and contributing 0,9 of a percentage point).

The largest negative contribution was made by the motor vehicles, parts and accessories and other transport equipment division (-8,6% and contributing -1,5 percentage points) – see Table D.

  
Risenga Maluleke  
Statistician-General

## Tables

**Table 1 – Index of the volume of manufacturing production (Base: 2019=100)**

Month	2018	2019	2020	2021	2022	2023	2024 <sup>1</sup>
Jan	87,1	88,0	85,7	80,3	82,8	79,5	81,9
Feb	94,5	94,9	92,4	89,3	90,9	86,0	89,4
Mar	98,9	101,2	94,5	98,9	99,1	97,5	91,3
Apr	91,9	95,8	45,3	91,1	84,5	87,6	
May	101,8	102,0	67,2	92,0	91,0	93,3	
Jun	101,9	97,8	84,1	93,7	90,3	95,5	
Jul	103,2	101,8	91,4	86,8	90,2	92,1	
Aug	106,6	105,2	92,9	94,3	96,2	97,5	
Sep	104,9	102,6	99,4	99,8	102,6	98,1	
Oct	113,4	112,7	106,8	97,2	98,2	100,9	
Nov	115,3	111,0	104,7	104,7	102,5	105,3	
Dec	93,7	86,8	87,6	87,0	82,9	84,6	
<b>Total</b>	<b>101,1</b>	<b>100,0</b>	<b>87,7</b>	<b>92,9</b>	<b>92,6</b>	<b>93,2</b>	

<sup>1</sup> The latest three months are preliminary.

**Table 2 – Year-on-year percentage change in the volume of manufacturing production**

Month	2019	2020	2021	2022	2023	2024	2024 year-to-date
Jan	1,0	-2,6	-6,3	3,1	-4,0	3,0	3,0
Feb	0,4	-2,6	-3,4	1,8	-5,4	4,0	3,5
Mar	2,3	-6,6	4,7	0,2	-1,6	-6,4	-0,2
Apr	4,2	-52,7	101,1	-7,2	3,7		
May	0,2	-34,1	36,9	-1,1	2,5		
Jun	-4,0	-14,0	11,4	-3,6	5,8		
Jul	-1,4	-10,2	-5,0	3,9	2,1		
Aug	-1,3	-11,7	1,5	2,0	1,4		
Sep	-2,2	-3,1	0,4	2,8	-4,4		
Oct	-0,6	-5,2	-9,0	1,0	2,7		
Nov	-3,7	-5,7	0,0	-2,1	2,7		
Dec	-7,4	0,9	-0,7	-4,7	2,1		
<b>Total</b>	<b>-1,1</b>	<b>-12,3</b>	<b>5,9</b>	<b>-0,3</b>	<b>0,6</b>		

**Table 3 – Seasonally adjusted volume of manufacturing production**

Month	Index (Base: 2019=100)				Month-on-month % change			
	2021	2022	2023	2024	2021	2022	2023	2024
Jan	93,2	96,2	92,0	93,7	-2,9	1,8	0,4	0,8
Feb	94,3	95,7	90,4	92,8	1,2	-0,5	-1,7	-1,0
Mar	96,9	96,0	94,1	90,8	2,8	0,3	4,1	-2,2
Apr	96,6	90,4	94,5		-0,3	-5,8	0,4	
May	93,2	91,9	93,5		-3,5	1,7	-1,1	
Jun	92,8	89,6	94,4		-0,4	-2,5	1,0	
Jul	85,5	90,4	92,9		-7,9	0,9	-1,6	
Aug	91,1	92,1	93,2		6,5	1,9	0,3	
Sep	94,2	96,5	92,9		3,4	4,8	-0,3	
Oct	89,0	91,0	93,1		-5,5	-5,7	0,2	
Nov	93,6	91,3	93,8		5,2	0,3	0,8	
Dec	94,5	91,6	93,0		1,0	0,3	-0,9	

**Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2019=100)**

Manufacturing division and major group	Weight	Oct-23	Nov-23	Dec-23	<sup>1</sup> Jan-24	<sup>1</sup> Feb-24	<sup>1</sup> Mar-24
<b>Food and beverages</b>	<b>21,44</b>	<b>102,7</b>	<b>110,1</b>	<b>110,5</b>	<b>90,3</b>	<b>94,4</b>	<b>103,1</b>
Meat, fish, fruit, etc.	3,42	109,2	112,0	107,5	98,4	108,4	106,4
Dairy products	1,47	110,4	106,3	100,3	97,6	92,6	96,0
Grain mill products	1,85	106,5	104,2	96,5	100,8	97,1	99,3
Other food products	7,81	90,4	103,0	82,5	78,1	78,6	92,9
Beverages	6,89	110,7	119,7	149,6	95,7	105,1	115,5
<b>Textiles, clothing, leather and footwear</b>	<b>4,07</b>	<b>108,1</b>	<b>111,8</b>	<b>75,1</b>	<b>71,0</b>	<b>85,9</b>	<b>85,0</b>
Textiles	1,04	117,4	125,4	73,6	87,8	86,1	93,5
Other textile products	0,58	106,0	110,1	79,2	57,9	93,2	82,6
Knitted, crocheted articles	0,06	98,7	106,4	62,7	59,9	68,5	75,9
Wearing apparel	1,88	106,0	105,6	75,2	65,6	84,9	81,8
Leather and leather products	0,26	91,0	99,1	53,0	83,4	94,8	76,6
Footwear	0,25	110,5	119,6	96,4	62,3	70,8	90,7
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,48</b>	<b>104,4</b>	<b>114,5</b>	<b>93,1</b>	<b>87,3</b>	<b>91,6</b>	<b>91,9</b>
Sawmilling and planing of wood	0,86	97,6	98,7	85,5	96,4	99,8	85,1
Products of wood	0,90	138,3	137,2	101,2	96,7	102,3	109,5
Paper and paper products	5,26	103,0	116,7	106,3	91,3	99,2	102,2
Publishing	2,10	97,5	95,4	69,0	74,5	74,3	64,1
Printing, recorded media	1,36	102,3	130,4	78,8	79,3	76,9	87,8
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>24,86</b>	<b>84,1</b>	<b>82,6</b>	<b>72,9</b>	<b>77,7</b>	<b>77,2</b>	<b>78,5</b>
Coke, petroleum products and nuclear fuel	11,92	67,4	62,1	64,0	64,7	61,8	66,4
Basic chemicals	3,39	102,3	112,6	95,1	100,6	93,4	95,5
Other chemical products	6,82	91,4	90,8	76,3	84,2	85,4	83,8
Rubber products	0,68	99,9	100,4	51,2	95,9	102,3	90,8
Plastic products	2,05	121,4	118,5	84,1	88,1	104,5	99,3
<b>Glass and non-metallic mineral products</b>	<b>3,10</b>	<b>116,5</b>	<b>120,2</b>	<b>92,1</b>	<b>91,3</b>	<b>98,3</b>	<b>99,6</b>
Glass and glass products	0,48	110,9	112,0	117,3	106,0	98,5	90,4
Non-metallic mineral products	2,62	117,5	121,7	87,5	88,6	98,3	101,3
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>19,96</b>	<b>104,6</b>	<b>108,7</b>	<b>78,3</b>	<b>79,3</b>	<b>91,4</b>	<b>94,7</b>
Basic iron and steel products	2,92	87,5	80,1	73,0	88,7	78,7	90,3
Non-ferrous metal products	3,54	98,3	96,0	81,5	81,8	81,1	88,7
Structural metal products	2,01	114,6	121,1	78,9	76,9	110,0	107,2
Other fabricated metal products	3,65	111,0	120,1	68,9	82,3	106,3	97,0
General purpose machinery	3,45	104,6	111,2	80,7	72,8	88,5	98,4
Special purpose machinery	3,73	113,0	123,2	84,9	73,4	88,5	90,8
Household appliances	0,66	102,0	107,6	85,7	82,1	96,2	97,5
<b>Electrical machinery</b>	<b>2,14</b>	<b>112,6</b>	<b>117,3</b>	<b>73,5</b>	<b>87,7</b>	<b>105,4</b>	<b>113,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,06</b>	<b>105,6</b>	<b>106,6</b>	<b>95,2</b>	<b>81,6</b>	<b>99,8</b>	<b>113,9</b>
Radio, television and communication apparatus	0,08	117,0	120,4	107,5	70,1	77,7	87,4
Professional equipment	0,98	104,7	105,5	94,2	82,5	101,6	116,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,72</b>	<b>122,3</b>	<b>130,0</b>	<b>60,6</b>	<b>78,7</b>	<b>98,9</b>	<b>88,0</b>
Motor vehicles	2,62	129,4	130,1	57,4	82,4	106,4	80,3
Bodies for motor vehicles, trailers and semi-trailers	0,75	128,2	123,6	73,4	79,2	110,6	99,9
Parts and accessories	4,03	124,3	136,2	49,6	74,3	91,8	79,1
Other transport equipment	1,32	98,7	114,5	93,5	84,3	99,4	123,6
<b>Furniture and other manufacturing</b>	<b>4,17</b>	<b>94,4</b>	<b>102,0</b>	<b>85,8</b>	<b>70,9</b>	<b>86,3</b>	<b>79,5</b>
Furniture	0,69	109,4	115,3	94,1	76,0	80,9	84,9
Other manufacturing groups	3,48	91,4	99,4	84,1	69,9	87,3	78,4
<b>Total</b>	<b>100</b>	<b>100,9</b>	<b>105,3</b>	<b>84,6</b>	<b>81,9</b>	<b>89,4</b>	<b>91,3</b>

<sup>1</sup> Preliminary.



**Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2019=100)**

Manufacturing division and major group	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
<b>Food and beverages</b>	<b>-2,1</b>	<b>1,9</b>	<b>4,3</b>	<b>-3,3</b>	<b>4,9</b>	<b>-1,6</b>
Meat, fish, fruit, etc.	3,6	-5,2	-3,5	-3,0	7,5	-8,4
Dairy products	0,4	-3,9	-4,1	-3,6	6,4	-9,4
Grain mill products	1,7	-2,2	7,0	9,4	-3,4	-8,1
Other food products	-9,1	4,1	-5,3	1,2	0,4	2,1
Beverages	0,8	5,5	15,9	-10,1	9,9	1,5
<b>Textiles, clothing, leather and footwear</b>	<b>0,7</b>	<b>-0,3</b>	<b>-3,6</b>	<b>7,1</b>	<b>-0,6</b>	<b>-9,4</b>
Textiles	6,6	5,8	1,7	16,3	-7,6	-15,6
Other textile products	-5,1	-2,6	-3,4	-11,3	-7,8	-11,4
Knitted, crocheted articles	-6,0	3,7	-9,4	4,7	-3,2	-11,1
Wearing apparel	1,7	-1,5	-4,0	11,2	7,2	-4,1
Leather and leather products	-6,8	-6,8	-21,2	4,3	6,8	-10,9
Footwear	-7,0	-7,6	-5,2	-16,0	-11,4	-7,3
<b>Wood and wood products, paper, publishing and printing</b>	<b>2,8</b>	<b>10,5</b>	<b>3,7</b>	<b>6,6</b>	<b>14,8</b>	<b>0,5</b>
Sawmilling and planing of wood	1,2	-4,1	13,4	4,4	4,4	1,1
Products of wood	14,6	13,5	19,8	0,7	-0,2	3,9
Paper and paper products	0,9	16,6	7,3	9,7	33,0	3,0
Publishing	5,4	7,0	-7,9	2,3	-3,5	-10,5
Printing, recorded media	-1,7	1,4	-12,2	5,7	-2,8	0,5
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>8,1</b>	<b>-0,1</b>	<b>4,9</b>	<b>13,4</b>	<b>4,6</b>	<b>-3,9</b>
Coke, petroleum products and nuclear fuel	25,7	17,8	23,1	25,9	10,4	4,9
Basic chemicals	1,4	4,3	1,9	11,9	-1,4	-6,0
Other chemical products	-4,7	-16,0	-10,4	5,4	-0,2	-11,5
Rubber products	-3,9	-2,8	3,0	3,9	-0,4	-18,2
Plastic products	9,5	-4,0	-2,2	1,1	10,7	-3,4
<b>Glass and non-metallic mineral products</b>	<b>-2,8</b>	<b>2,0</b>	<b>0,9</b>	<b>5,2</b>	<b>11,3</b>	<b>3,3</b>
Glass and glass products	-2,0	-6,1	15,5	5,5	4,7	-14,3
Non-metallic mineral products	-2,9	3,6	-2,1	5,1	12,6	7,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>2,6</b>	<b>2,3</b>	<b>0,6</b>	<b>-0,8</b>	<b>1,0</b>	<b>-9,0</b>
Basic iron and steel products	-0,7	-3,4	4,7	8,4	1,9	-3,3
Non-ferrous metal products	3,6	1,1	-3,2	-2,0	0,0	-1,0
Structural metal products	7,6	4,3	-2,0	7,9	14,9	-5,2
Other fabricated metal products	6,5	5,2	2,7	6,9	6,4	-8,1
General purpose machinery	-8,1	-9,0	-2,1	-13,0	-10,6	-13,2
Special purpose machinery	9,2	15,5	3,4	-5,3	-1,4	-17,5
Household appliances	0,8	-2,6	3,1	-6,1	4,7	-11,0
<b>Electrical machinery</b>	<b>8,0</b>	<b>7,5</b>	<b>-6,1</b>	<b>8,5</b>	<b>2,9</b>	<b>0,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>-1,1</b>	<b>-10,9</b>	<b>-11,1</b>	<b>9,8</b>	<b>1,0</b>	<b>2,1</b>
Radio, television and communication apparatus	1,7	5,3	-2,5	9,4	-12,8	-15,6
Professional equipment	-1,3	-12,2	-11,8	9,9	2,0	3,4
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>6,0</b>	<b>5,6</b>	<b>-7,1</b>	<b>-2,8</b>	<b>-4,8</b>	<b>-25,9</b>
Motor vehicles	34,1	16,9	9,1	6,0	9,0	-29,4
Bodies for motor vehicles, trailers and semi-trailers	-2,1	-8,0	6,8	10,2	7,2	-18,4
Parts and accessories	-2,7	5,8	-21,3	-11,9	-16,5	-33,5
Other transport equipment	-6,9	-7,0	-1,5	2,4	1,1	-1,4
<b>Furniture and other manufacturing</b>	<b>0,9</b>	<b>1,8</b>	<b>3,2</b>	<b>0,3</b>	<b>6,7</b>	<b>-7,7</b>
Furniture	13,0	0,2	-1,2	4,0	3,5	-10,4
Other manufacturing groups	-1,6	2,3	4,2	-0,4	7,2	-7,0
<b>Total</b>	<b>2,7</b>	<b>2,7</b>	<b>2,1</b>	<b>3,0</b>	<b>4,0</b>	<b>-6,4</b>

**Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)**

Manufacturing division and major group	Weight	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
<b>Food and beverages</b>	<b>21,44</b>	<b>-0,5</b>	<b>0,4</b>	<b>1,2</b>	<b>-0,8</b>	<b>1,1</b>	<b>-0,4</b>
Meat, fish, fruit, etc.	3,42	0,1	-0,2	-0,2	-0,1	0,3	-0,3
Dairy products	1,47	0,0	-0,1	-0,1	-0,1	0,1	-0,2
Grain mill products	1,85	0,0	0,0	0,1	0,2	-0,1	-0,2
Other food products	7,81	-0,7	0,3	-0,4	0,1	0,0	0,2
Beverages	6,89	0,1	0,4	1,7	-0,9	0,8	0,1
<b>Textiles, clothing, leather and footwear</b>	<b>4,07</b>	<b>0,0</b>	<b>0,0</b>	<b>-0,1</b>	<b>0,2</b>	<b>0,0</b>	<b>-0,4</b>
Textiles	1,04	0,1	0,1	0,0	0,2	-0,1	-0,2
Other textile products	0,58	0,0	0,0	0,0	-0,1	-0,1	-0,1
Knitted, crocheted articles	0,06	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,88	0,0	0,0	-0,1	0,2	0,1	-0,1
Leather and leather products	0,26	0,0	0,0	0,0	0,0	0,0	0,0
Footwear	0,25	0,0	0,0	0,0	0,0	0,0	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,48</b>	<b>0,3</b>	<b>1,1</b>	<b>0,4</b>	<b>0,7</b>	<b>1,4</b>	<b>0,1</b>
Sawmilling and planing of wood	0,86	0,0	0,0	0,1	0,0	0,0	0,0
Products of wood	0,90	0,2	0,1	0,2	0,0	0,0	0,0
Paper and paper products	5,26	0,0	0,9	0,5	0,5	1,5	0,2
Publishing	2,10	0,1	0,1	-0,1	0,0	-0,1	-0,2
Printing, recorded media	1,36	0,0	0,0	-0,2	0,1	0,0	0,0
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>24,86</b>	<b>1,6</b>	<b>0,0</b>	<b>1,0</b>	<b>2,9</b>	<b>1,0</b>	<b>-0,8</b>
Coke, petroleum products and nuclear fuel	11,92	1,7	1,1	1,7	2,0	0,8	0,4
Basic chemicals	3,39	0,0	0,2	0,1	0,5	-0,1	-0,2
Other chemical products	6,82	-0,3	-1,2	-0,7	0,4	0,0	-0,8
Rubber products	0,68	0,0	0,0	0,0	0,0	0,0	-0,1
Plastic products	2,05	0,2	-0,1	0,0	0,0	0,2	-0,1
<b>Glass and non-metallic mineral products</b>	<b>3,10</b>	<b>-0,1</b>	<b>0,1</b>	<b>0,0</b>	<b>0,2</b>	<b>0,4</b>	<b>0,1</b>
Glass and glass products	0,48	0,0	0,0	0,1	0,0	0,0	-0,1
Non-metallic mineral products	2,62	-0,1	0,1	-0,1	0,1	0,3	0,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>19,96</b>	<b>0,5</b>	<b>0,5</b>	<b>0,1</b>	<b>-0,2</b>	<b>0,2</b>	<b>-1,9</b>
Basic iron and steel products	2,92	0,0	-0,1	0,1	0,3	0,1	-0,1
Non-ferrous metal products	3,54	0,1	0,0	-0,1	-0,1	0,0	0,0
Structural metal products	2,01	0,2	0,1	0,0	0,1	0,3	-0,1
Other fabricated metal products	3,65	0,3	0,2	0,1	0,2	0,3	-0,3
General purpose machinery	3,45	-0,3	-0,4	-0,1	-0,5	-0,4	-0,5
Special purpose machinery	3,73	0,4	0,6	0,1	-0,2	-0,1	-0,7
Household appliances	0,66	0,0	0,0	0,0	0,0	0,0	-0,1
<b>Electrical machinery</b>	<b>2,14</b>	<b>0,2</b>	<b>0,2</b>	<b>-0,1</b>	<b>0,2</b>	<b>0,1</b>	<b>0,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,06</b>	<b>0,0</b>	<b>-0,1</b>	<b>-0,2</b>	<b>0,1</b>	<b>0,0</b>	<b>0,0</b>
Radio, television and communication apparatus	0,08	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	0,98	0,0	-0,1	-0,1	0,1	0,0	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,72</b>	<b>0,6</b>	<b>0,6</b>	<b>-0,5</b>	<b>-0,3</b>	<b>-0,5</b>	<b>-2,7</b>
Motor vehicles	2,62	0,9	0,5	0,2	0,2	0,3	-0,9
Bodies for motor vehicles, trailers and semi-trailers	0,75	0,0	-0,1	0,0	0,1	0,1	-0,2
Parts and accessories	4,03	-0,1	0,3	-0,7	-0,5	-0,8	-1,6
Other transport equipment	1,32	-0,1	-0,1	0,0	0,0	0,0	0,0
<b>Furniture and other manufacturing</b>	<b>4,17</b>	<b>0,0</b>	<b>0,1</b>	<b>0,1</b>	<b>0,0</b>	<b>0,3</b>	<b>-0,3</b>
Furniture	0,69	0,1	0,0	0,0	0,0	0,0	-0,1
Other manufacturing groups	3,48	-0,1	0,1	0,1	0,0	0,2	-0,2
<b>Total</b>	<b>100</b>	<b>2,7</b>	<b>2,7</b>	<b>2,1</b>	<b>3,0</b>	<b>4,0</b>	<b>-6,4</b>

**Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2019=100)**

Manufacturing division and major group	Weight	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Month-on-month % change
<b>Food and beverages</b>	<b>21,44</b>	<b>99,1</b>	<b>102,9</b>	<b>100,9</b>	<b>101,2</b>	<b>103,9</b>	<b>2,7</b>
Meat, fish, fruit, etc.	3,42	103,9	103,8	106,6	113,4	106,6	-6,0
Dairy products	1,47	95,0	95,5	97,0	97,1	96,1	-1,0
Grain mill products	1,85	96,2	100,8	106,9	102,4	102,0	-0,4
Other food products	7,81	93,3	91,0	91,9	92,8	101,3	9,2
Beverages	6,89	104,8	118,0	107,5	105,2	107,5	2,2
<b>Textiles, clothing, leather and footwear</b>	<b>4,07</b>	<b>92,6</b>	<b>92,0</b>	<b>98,2</b>	<b>87,5</b>	<b>86,7</b>	<b>-0,9</b>
Textiles	1,04	108,9	111,9	113,9	85,0	90,6	6,6
Other textile products	0,58	90,4	93,7	80,6	87,8	84,2	-4,1
Knitted, crocheted articles	0,06	89,8	82,6	85,4	75,4	79,6	5,6
Wearing apparel	1,88	84,8	83,6	97,9	88,8	86,1	-3,0
Leather and leather products	0,26	87,6	67,5	87,3	86,6	73,9	-14,7
Footwear	0,25	95,0	97,0	90,5	92,1	96,6	4,9
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,48</b>	<b>97,8</b>	<b>97,8</b>	<b>97,6</b>	<b>97,1</b>	<b>95,8</b>	<b>-1,3</b>
Sawmilling and planing of wood	0,86	94,3	108,2	99,7	97,1	94,5	-2,7
Products of wood	0,90	117,8	123,8	112,5	108,5	112,2	3,4
Paper and paper products	5,26	103,1	103,5	101,6	104,4	102,4	-1,9
Publishing	2,10	81,1	75,2	80,4	78,3	74,7	-4,6
Printing, recorded media	1,36	92,4	86,9	97,3	90,4	92,5	2,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>24,86</b>	<b>76,3</b>	<b>78,1</b>	<b>81,4</b>	<b>79,8</b>	<b>77,6</b>	<b>-2,8</b>
Coke, petroleum products and nuclear fuel	11,92	60,6	61,8	62,1	62,8	62,4	-0,6
Basic chemicals	3,39	103,1	104,3	105,5	103,6	98,4	-5,0
Other chemical products	6,82	81,7	85,0	95,1	88,3	85,6	-3,1
Rubber products	0,68	92,9	95,8	98,1	95,3	90,1	-5,5
Plastic products	2,05	99,4	100,8	102,3	104,9	100,6	-4,1
<b>Glass and non-metallic mineral products</b>	<b>3,10</b>	<b>105,1</b>	<b>109,5</b>	<b>109,5</b>	<b>107,9</b>	<b>102,4</b>	<b>-5,1</b>
Glass and glass products	0,48	98,3	118,2	110,3	105,6	95,4	-9,7
Non-metallic mineral products	2,62	106,3	107,9	109,4	108,3	103,7	-4,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>19,96</b>	<b>97,9</b>	<b>94,2</b>	<b>94,3</b>	<b>94,8</b>	<b>91,4</b>	<b>-3,6</b>
Basic iron and steel products	2,92	80,0	83,4	86,9	83,0	85,2	2,7
Non-ferrous metal products	3,54	90,9	86,7	85,6	85,8	87,2	1,6
Structural metal products	2,01	103,5	102,8	105,7	109,7	101,9	-7,1
Other fabricated metal products	3,65	102,5	99,0	100,9	102,3	92,7	-9,4
General purpose machinery	3,45	99,7	94,2	97,2	97,7	97,5	-0,2
Special purpose machinery	3,73	109,2	99,2	93,8	93,8	87,4	-6,8
Household appliances	0,66	98,1	101,5	90,6	99,6	94,2	-5,4
<b>Electrical machinery</b>	<b>2,14</b>	<b>105,9</b>	<b>98,4</b>	<b>109,9</b>	<b>105,5</b>	<b>105,0</b>	<b>-0,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,06</b>	<b>94,3</b>	<b>95,9</b>	<b>102,4</b>	<b>102,7</b>	<b>102,2</b>	<b>-0,5</b>
Radio, television and communication apparatus	0,08	93,0	91,0	96,6	83,2	85,1	2,3
Professional equipment	0,98	94,4	96,3	102,9	104,3	103,6	-0,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,72</b>	<b>112,2</b>	<b>96,6</b>	<b>94,9</b>	<b>95,3</b>	<b>82,9</b>	<b>-13,0</b>
Motor vehicles	2,62	109,8	107,4	101,9	100,5	79,5	-20,9
Bodies for motor vehicles, trailers and semi-trailers	0,75	106,1	114,7	111,3	114,0	99,6	-12,6
Parts and accessories	4,03	120,3	86,4	86,0	87,1	76,5	-12,2
Other transport equipment	1,32	95,4	96,0	99,2	99,4	99,4	0,0
<b>Furniture and other manufacturing</b>	<b>4,17</b>	<b>89,0</b>	<b>91,2</b>	<b>87,4</b>	<b>87,0</b>	<b>88,5</b>	<b>1,7</b>
Furniture	0,69	91,0	96,5	94,7	92,1	90,5	-1,7
Other manufacturing groups	3,48	88,6	90,1	85,9	86,0	88,1	2,4
<b>Total</b>	<b>100</b>	<b>93,8</b>	<b>93,0</b>	<b>93,7</b>	<b>92,8</b>	<b>90,8</b>	<b>-2,2</b>

**Table 8 – Manufacturing sales at current prices (R million)**

Month	2018	2019	2020	2021	2022	2023	2024 <sup>1</sup>
Jan	168 405	184 367	183 792	180 331	204 747	224 556	246 107
Feb	187 805	199 110	203 921	208 150	231 366	251 334	278 388
Mar	199 906	217 518	203 878	240 394	261 866	293 633	283 799
Apr	179 170	206 463	98 652	217 839	225 651	254 968	
May	208 652	216 544	146 780	223 726	251 557	272 232	
Jun	208 167	216 629	179 335	230 146	253 134	275 647	
Jul	211 387	220 618	193 289	199 186	247 382	270 077	
Aug	218 759	229 429	199 602	221 163	258 747	288 300	
Sep	222 257	220 821	214 935	233 199	275 555	292 691	
Oct	240 466	240 720	235 300	231 408	267 185	300 434	
Nov	244 716	238 778	239 432	259 583	288 469	317 230	
Dec	197 482	191 072	197 868	218 714	238 243	262 383	
<b>Total</b>	<b>2 487 172</b>	<b>2 582 069</b>	<b>2 296 784</b>	<b>2 663 839</b>	<b>3 003 902</b>	<b>3 303 485</b>	

<sup>1</sup> The latest three months are preliminary.

**Table 9 – Year-on-year percentage change in manufacturing sales at current prices**

Month	2019	2020	2021	2022	2023	2024	2024 year-to-date
Jan	9,5	-0,3	-1,9	13,5	9,7	9,6	9,6
Feb	6,0	2,4	2,1	11,2	8,6	10,8	10,2
Mar	8,8	-6,3	17,9	8,9	12,1	-3,3	5,0
Apr	15,2	-52,2	120,8	3,6	13,0		
May	3,8	-32,2	52,4	12,4	8,2		
Jun	4,1	-17,2	28,3	10,0	8,9		
Jul	4,4	-12,4	3,1	24,2	9,2		
Aug	4,9	-13,0	10,8	17,0	11,4		
Sep	-0,6	-2,7	8,5	18,2	6,2		
Oct	0,1	-2,3	-1,7	15,5	12,4		
Nov	-2,4	0,3	8,4	11,1	10,0		
Dec	-3,2	3,6	10,5	8,9	10,1		
<b>Total</b>	<b>3,8</b>	<b>-11,0</b>	<b>16,0</b>	<b>12,8</b>	<b>10,0</b>		

**Table 10 – Seasonally adjusted manufacturing sales at current prices**

Month	R million				Month-on-month % change			
	2021	2022	2023	2024	2021	2022	2023	2024
Jan	213 144	242 684	262 491	285 044	-0,2	3,9	0,9	-1,4
Feb	219 496	244 206	264 113	287 085	3,0	0,6	0,6	0,7
Mar	231 418	250 300	278 787	281 212	5,4	2,5	5,6	-2,0
Apr	229 332	239 974	276 038		-0,9	-4,1	-1,0	
May	225 860	250 478	269 121		-1,5	4,4	-2,5	
Jun	225 365	248 100	268 074		-0,2	-0,9	-0,4	
Jul	198 679	249 703	274 316		-11,8	0,6	2,3	
Aug	217 423	251 874	280 344		9,4	0,9	2,2	
Sep	223 001	261 455	280 539		2,6	3,8	0,1	
Oct	214 809	250 720	279 535		-3,7	-4,1	-0,4	
Nov	230 684	256 552	283 637		7,4	2,3	1,5	
Dec	233 646	260 262	288 965		1,3	1,4	1,9	

**Table 11 – Manufacturing sales at current prices by division and major group (R million)**

<b>Manufacturing division and major group</b>	<b>Oct-23</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b><sup>1</sup> Jan-24</b>	<b><sup>1</sup> Feb-24</b>	<b><sup>1</sup> Mar-24</b>
<b>Food and beverages</b>	<b>67 808</b>	<b>71 636</b>	<b>71 838</b>	<b>58 597</b>	<b>63 587</b>	<b>69 208</b>
Meat, fish, fruit, etc.	20 766	21 421	20 488	16 858	18 847	18 450
Dairy products	6 442	6 333	5 760	5 796	5 683	5 937
Grain mill products	11 887	11 819	10 873	11 141	10 684	11 081
Other food products	11 974	13 609	10 873	10 294	11 695	15 934
Beverages	16 739	18 453	23 843	14 507	16 678	17 805
<b>Textiles, clothing, leather and footwear</b>	<b>7 532</b>	<b>7 947</b>	<b>5 433</b>	<b>4 909</b>	<b>6 298</b>	<b>6 128</b>
Textiles	1 124	1 165	711	827	872	845
Other textile products	2 227	2 323	1 643	1 321	2 085	1 919
Knitted, crocheted articles	252	272	167	156	174	171
Wearing apparel	2 401	2 551	1 743	1 528	1 976	1 908
Leather and leather products	604	633	360	533	580	523
Footwear	925	1 004	809	544	610	762
<b>Wood and wood products, paper, publishing and printing</b>	<b>19 721</b>	<b>22 338</b>	<b>18 217</b>	<b>15 747</b>	<b>17 247</b>	<b>18 126</b>
Sawmilling and planing of wood	1 414	1 522	1 273	1 234	1 370	1 400
Products of wood	2 561	2 564	1 890	1 868	1 965	2 166
Paper and paper products	9 923	11 699	10 796	8 363	9 550	10 074
Publishing	2 140	2 108	1 443	1 707	1 681	1 424
Printing, recorded media	3 684	4 446	2 814	2 574	2 682	3 062
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>61 073</b>	<b>63 877</b>	<b>53 753</b>	<b>52 461</b>	<b>58 029</b>	<b>58 250</b>
Coke, petroleum products and nuclear fuel	24 714	23 785	24 073	20 418	22 540	24 249
Basic chemicals	9 807	12 308	8 894	10 280	10 925	9 836
Other chemical products	14 432	15 363	12 818	13 098	14 147	14 013
Rubber products	2 097	2 305	1 262	1 737	1 971	1 968
Plastic products	10 023	10 117	6 707	6 928	8 447	8 184
<b>Glass and non-metallic mineral products</b>	<b>8 672</b>	<b>9 327</b>	<b>6 916</b>	<b>6 802</b>	<b>7 574</b>	<b>7 068</b>
Glass and glass products	1 795	1 947	1 901	1 409	1 513	1 346
Non-metallic mineral products	6 877	7 381	5 015	5 393	6 061	5 723
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>61 222</b>	<b>63 522</b>	<b>51 054</b>	<b>50 280</b>	<b>57 331</b>	<b>59 197</b>
Basic iron and steel products	13 733	13 353	12 849	12 401	12 797	14 337
Non-ferrous metal products	16 056	16 447	15 645	16 685	16 785	16 457
Structural metal products	4 990	5 260	3 576	3 480	4 916	4 785
Other fabricated metal products	10 031	10 866	6 314	7 367	9 642	9 040
General purpose machinery	5 868	6 231	4 615	4 025	5 118	5 781
Special purpose machinery	9 187	9 951	6 903	5 145	6 750	7 454
Household appliances	1 356	1 414	1 153	1 176	1 323	1 343
<b>Electrical machinery</b>	<b>7 539</b>	<b>8 444</b>	<b>5 605</b>	<b>5 714</b>	<b>6 825</b>	<b>7 624</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>2 934</b>	<b>3 024</b>	<b>2 912</b>	<b>1 931</b>	<b>2 353</b>	<b>2 677</b>
Radio, television and communication apparatus	1 524	1 569	1 648	813	976	1 100
Professional equipment	1 410	1 455	1 264	1 118	1 377	1 577
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>52 584</b>	<b>55 018</b>	<b>35 992</b>	<b>41 500</b>	<b>48 895</b>	<b>45 255</b>
Motor vehicles	33 130	34 377	22 570	25 817	30 954	28 208
Bodies for motor vehicles, trailers and semi-trailers	1 954	2 095	1 416	1 224	1 555	1 649
Parts and accessories	14 256	14 805	8 969	11 719	13 140	11 317
Other transport equipment	3 244	3 740	3 036	2 740	3 246	4 081
<b>Furniture and other manufacturing</b>	<b>11 349</b>	<b>12 097</b>	<b>10 662</b>	<b>8 166</b>	<b>10 247</b>	<b>10 265</b>
Furniture	1 985	2 070	1 688	1 351	1 519	1 542
Other manufacturing groups	9 363	10 027	8 974	6 816	8 728	8 723
<b>Total</b>	<b>300 434</b>	<b>317 230</b>	<b>262 383</b>	<b>246 107</b>	<b>278 388</b>	<b>283 799</b>

<sup>1</sup> Preliminary.

**Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group**

Manufacturing division and major group	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
<b>Food and beverages</b>	<b>4,9</b>	<b>2,5</b>	<b>8,5</b>	<b>2,0</b>	<b>7,9</b>	<b>4,2</b>
Meat, fish, fruit, etc.	9,4	-1,2	3,1	-0,3	7,9	-2,7
Dairy products	2,4	1,6	-2,3	3,7	10,7	-6,0
Grain mill products	2,5	-1,6	5,8	2,0	-3,6	-11,6
Other food products	-2,2	1,7	1,5	8,2	5,0	40,5
Beverages	7,6	11,1	22,7	0,0	18,0	3,1
<b>Textiles, clothing, leather and footwear</b>	<b>7,6</b>	<b>6,9</b>	<b>1,3</b>	<b>16,4</b>	<b>7,5</b>	<b>-1,0</b>
Textiles	18,4	17,1	9,0	23,6	1,8	-13,1
Other textile products	6,0	9,2	-0,2	3,4	9,3	6,4
Knitted, crocheted articles	3,7	10,6	0,6	13,0	-0,6	-26,0
Wearing apparel	6,9	3,0	2,6	29,5	12,8	4,3
Leather and leather products	2,7	0,0	-15,7	38,8	8,4	-11,5
Footwear	5,6	4,7	4,8	-4,9	-3,3	0,3
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,6</b>	<b>17,4</b>	<b>8,9</b>	<b>13,7</b>	<b>16,5</b>	<b>-4,1</b>
Sawmilling and planing of wood	6,6	8,1	10,6	-4,6	1,0	-3,2
Products of wood	11,3	7,0	21,8	-1,3	-3,3	6,3
Paper and paper products	11,9	27,4	11,5	26,0	35,6	-6,2
Publishing	12,2	10,8	-7,0	7,8	-0,2	-6,5
Printing, recorded media	7,2	7,4	0,9	5,4	-0,3	-2,9
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>10,2</b>	<b>8,7</b>	<b>10,6</b>	<b>17,6</b>	<b>13,1</b>	<b>0,0</b>
Coke, petroleum products and nuclear fuel	40,8	49,2	54,5	47,3	26,4	17,1
Basic chemicals	-13,1	-5,8	-13,3	4,0	9,0	-13,0
Other chemical products	-2,4	-10,6	-8,4	5,8	3,1	-9,3
Rubber products	9,4	8,9	-26,3	4,5	1,0	-13,8
Plastic products	1,1	-3,4	-5,1	1,3	8,6	-4,2
<b>Glass and non-metallic mineral products</b>	<b>4,5</b>	<b>11,0</b>	<b>9,8</b>	<b>17,5</b>	<b>15,7</b>	<b>-1,9</b>
Glass and glass products	10,3	8,0	27,2	13,1	6,9	-16,2
Non-metallic mineral products	3,1	11,8	4,3	18,7	18,1	2,3
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>12,3</b>	<b>3,4</b>	<b>8,0</b>	<b>6,2</b>	<b>7,8</b>	<b>-6,6</b>
Basic iron and steel products	22,8	6,5	19,1	1,6	5,9	-11,5
Non-ferrous metal products	2,7	-12,6	0,3	6,8	13,1	-4,2
Structural metal products	16,2	10,4	5,4	17,6	25,0	-2,8
Other fabricated metal products	12,8	10,2	5,6	11,8	10,0	-1,3
General purpose machinery	-0,9	-1,4	6,8	-9,2	-4,5	-6,7
Special purpose machinery	25,4	28,6	14,0	15,7	-3,2	-9,7
Household appliances	5,6	0,4	1,8	6,5	8,7	-8,3
<b>Electrical machinery</b>	<b>16,0</b>	<b>26,2</b>	<b>3,5</b>	<b>17,1</b>	<b>5,1</b>	<b>0,6</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>19,2</b>	<b>12,0</b>	<b>7,2</b>	<b>11,7</b>	<b>2,3</b>	<b>-2,3</b>
Radio, television and communication apparatus	37,4	33,9	25,3	2,7	-12,1	-10,8
Professional equipment	4,3	-4,8	-9,8	19,4	15,8	4,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>29,0</b>	<b>25,6</b>	<b>20,0</b>	<b>12,2</b>	<b>14,1</b>	<b>-13,5</b>
Motor vehicles	34,2	34,8	25,4	12,0	20,1	-16,2
Bodies for motor vehicles, trailers and semi-trailers	-1,1	3,5	15,1	29,8	1,0	-15,8
Parts and accessories	31,9	19,1	15,0	12,2	5,1	-10,7
Other transport equipment	-1,5	-2,7	2,5	7,3	5,8	1,4
<b>Furniture and other manufacturing</b>	<b>17,1</b>	<b>18,0</b>	<b>10,6</b>	<b>6,3</b>	<b>13,5</b>	<b>-3,6</b>
Furniture	34,9	28,3	30,0	6,9	8,9	-8,1
Other manufacturing groups	13,9	16,1	7,6	6,2	14,4	-2,8
<b>Total</b>	<b>12,4</b>	<b>10,0</b>	<b>10,1</b>	<b>9,6</b>	<b>10,8</b>	<b>-3,3</b>

**Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)**

Manufacturing division and major group	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
<b>Food and beverages</b>	<b>1,2</b>	<b>0,6</b>	<b>2,4</b>	<b>0,5</b>	<b>1,9</b>	<b>1,0</b>
Meat, fish, fruit, etc.	0,7	-0,1	0,3	0,0	0,5	-0,2
Dairy products	0,1	0,0	-0,1	0,1	0,2	-0,1
Grain mill products	0,1	-0,1	0,3	0,1	-0,2	-0,5
Other food products	-0,1	0,1	0,1	0,3	0,2	1,6
Beverages	0,4	0,6	1,9	0,0	1,0	0,2
<b>Textiles, clothing, leather and footwear</b>	<b>0,2</b>	<b>0,2</b>	<b>0,0</b>	<b>0,3</b>	<b>0,2</b>	<b>0,0</b>
Textiles	0,1	0,1	0,0	0,1	0,0	0,0
Other textile products	0,0	0,1	0,0	0,0	0,1	0,0
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	0,1	0,0	0,0	0,2	0,1	0,0
Leather and leather products	0,0	0,0	0,0	0,1	0,0	0,0
Footwear	0,0	0,0	0,0	0,0	0,0	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>0,7</b>	<b>1,1</b>	<b>0,6</b>	<b>0,8</b>	<b>1,0</b>	<b>-0,3</b>
Sawmilling and planing of wood	0,0	0,0	0,1	0,0	0,0	0,0
Products of wood	0,1	0,1	0,1	0,0	0,0	0,0
Paper and paper products	0,4	0,9	0,5	0,8	1,0	-0,2
Publishing	0,1	0,1	0,0	0,1	0,0	0,0
Printing, recorded media	0,1	0,1	0,0	0,1	0,0	0,0
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>2,1</b>	<b>1,8</b>	<b>2,2</b>	<b>3,5</b>	<b>2,7</b>	<b>0,0</b>
Coke, petroleum products and nuclear fuel	2,7	2,7	3,6	2,9	1,9	1,2
Basic chemicals	-0,6	-0,3	-0,6	0,2	0,4	-0,5
Other chemical products	-0,1	-0,6	-0,5	0,3	0,2	-0,5
Rubber products	0,1	0,1	-0,2	0,0	0,0	-0,1
Plastic products	0,0	-0,1	-0,2	0,0	0,3	-0,1
<b>Glass and non-metallic mineral products</b>	<b>0,1</b>	<b>0,3</b>	<b>0,3</b>	<b>0,5</b>	<b>0,4</b>	<b>0,0</b>
Glass and glass products	0,1	0,0	0,2	0,1	0,0	-0,1
Non-metallic mineral products	0,1	0,3	0,1	0,4	0,4	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>2,5</b>	<b>0,7</b>	<b>1,6</b>	<b>1,3</b>	<b>1,7</b>	<b>-1,4</b>
Basic iron and steel products	1,0	0,3	0,9	0,1	0,3	-0,6
Non-ferrous metal products	0,2	-0,8	0,0	0,5	0,8	-0,2
Structural metal products	0,3	0,2	0,1	0,2	0,4	0,0
Other fabricated metal products	0,4	0,3	0,1	0,3	0,3	0,0
General purpose machinery	0,0	0,0	0,1	-0,2	-0,1	-0,1
Special purpose machinery	0,7	0,8	0,4	0,3	-0,1	-0,3
Household appliances	0,0	0,0	0,0	0,0	0,0	0,0
<b>Electrical machinery</b>	<b>0,4</b>	<b>0,6</b>	<b>0,1</b>	<b>0,4</b>	<b>0,1</b>	<b>0,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>0,2</b>	<b>0,1</b>	<b>0,1</b>	<b>0,1</b>	<b>0,0</b>	<b>0,0</b>
Radio, television and communication apparatus	0,2	0,1	0,1	0,0	-0,1	0,0
Professional equipment	0,0	0,0	-0,1	0,1	0,1	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>4,4</b>	<b>3,9</b>	<b>2,5</b>	<b>2,0</b>	<b>2,4</b>	<b>-2,4</b>
Motor vehicles	3,2	3,1	1,9	1,2	2,1	-1,9
Bodies for motor vehicles, trailers and semi-trailers	0,0	0,0	0,1	0,1	0,0	-0,1
Parts and accessories	1,3	0,8	0,5	0,6	0,3	-0,5
Other transport equipment	0,0	0,0	0,0	0,1	0,1	0,0
<b>Furniture and other manufacturing</b>	<b>0,6</b>	<b>0,6</b>	<b>0,4</b>	<b>0,2</b>	<b>0,5</b>	<b>-0,1</b>
Furniture	0,2	0,2	0,2	0,0	0,0	0,0
Other manufacturing groups	0,4	0,5	0,3	0,2	0,4	-0,1
<b>Total</b>	<b>12,4</b>	<b>10,0</b>	<b>10,1</b>	<b>9,6</b>	<b>10,8</b>	<b>-3,3</b>

**Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)**

Manufacturing division and major group	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Month-on-month % change
<b>Food and beverages</b>	<b>63 885</b>	<b>65 952</b>	<b>65 068</b>	<b>67 383</b>	<b>71 104</b>	<b>5,5</b>
Meat, fish, fruit, etc.	19 362	19 157	19 237	20 551	19 214	-6,5
Dairy products	5 719	5 549	5 869	6 042	5 824	-3,6
Grain mill products	10 991	11 239	11 799	11 366	11 355	-0,1
Other food products	11 766	11 639	11 677	12 390	17 922	44,6
Beverages	16 047	18 368	16 485	17 034	16 788	-1,4
<b>Textiles, clothing, leather and footwear</b>	<b>6 418</b>	<b>6 262</b>	<b>6 875</b>	<b>6 629</b>	<b>6 380</b>	<b>-3,8</b>
Textiles	999	994	996	906	887	-2,1
Other textile products	1 901	1 949	1 859	1 974	1 923	-2,6
Knitted, crocheted articles	230	218	221	193	176	-8,8
Wearing apparel	1 927	1 897	2 417	2 191	2 023	-7,7
Leather and leather products	566	418	600	562	537	-4,4
Footwear	795	785	782	802	833	3,9
<b>Wood and wood products, paper, publishing and printing</b>	<b>18 891</b>	<b>18 880</b>	<b>17 819</b>	<b>18 700</b>	<b>18 900</b>	<b>1,1</b>
Sawmilling and planing of wood	1 449	1 528	1 371	1 436	1 489	3,7
Products of wood	2 222	2 446	2 178	2 102	2 249	7,0
Paper and paper products	10 322	10 300	9 305	10 367	10 308	-0,6
Publishing	1 725	1 535	1 808	1 731	1 654	-4,4
Printing, recorded media	3 173	3 071	3 157	3 064	3 200	4,4
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>57 855</b>	<b>58 061</b>	<b>59 425</b>	<b>62 440</b>	<b>58 714</b>	<b>-6,0</b>
Coke, petroleum products and nuclear fuel	23 571	24 465	23 350	24 951	23 969	-3,9
Basic chemicals	10 234	9 993	11 079	12 114	10 142	-16,3
Other chemical products	13 676	13 765	14 635	14 525	14 314	-1,5
Rubber products	2 041	1 650	2 063	1 943	1 918	-1,3
Plastic products	8 332	8 187	8 297	8 907	8 371	-6,0
<b>Glass and non-metallic mineral products</b>	<b>7 944</b>	<b>8 378</b>	<b>8 347</b>	<b>7 974</b>	<b>7 662</b>	<b>-3,9</b>
Glass and glass products	1 591	1 829	1 619	1 592	1 453	-8,7
Non-metallic mineral products	6 353	6 549	6 728	6 382	6 209	-2,7
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>57 870</b>	<b>60 962</b>	<b>59 104</b>	<b>57 676</b>	<b>56 637</b>	<b>-1,8</b>
Basic iron and steel products	12 978	15 788	13 305	13 117	13 236	0,9
Non-ferrous metal products	15 449	16 855	18 003	16 119	15 330	-4,9
Structural metal products	4 529	4 599	4 792	5 031	4 510	-10,4
Other fabricated metal products	9 284	9 065	9 178	9 284	9 317	0,4
General purpose machinery	5 693	5 482	5 394	5 573	5 588	0,3
Special purpose machinery	8 633	7 829	7 088	7 206	7 342	1,9
Household appliances	1 303	1 343	1 344	1 347	1 312	-2,6
<b>Electrical machinery</b>	<b>7 408</b>	<b>6 821</b>	<b>7 211</b>	<b>6 864</b>	<b>7 020</b>	<b>2,3</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>2 493</b>	<b>2 545</b>	<b>2 568</b>	<b>2 478</b>	<b>2 489</b>	<b>0,4</b>
Radio, television and communication apparatus	1 194	1 260	1 149	1 027	1 075	4,7
Professional equipment	1 299	1 285	1 419	1 451	1 414	-2,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>50 120</b>	<b>50 552</b>	<b>47 825</b>	<b>46 357</b>	<b>41 921</b>	<b>-9,6</b>
Motor vehicles	32 246	32 064	30 037	29 424	26 317	-10,6
Bodies for motor vehicles, trailers and semi-trailers	1 783	1 978	1 788	1 735	1 692	-2,5
Parts and accessories	12 988	13 386	12 748	11 928	10 604	-11,1
Other transport equipment	3 102	3 124	3 251	3 270	3 308	1,2
<b>Furniture and other manufacturing</b>	<b>10 754</b>	<b>10 552</b>	<b>10 803</b>	<b>10 583</b>	<b>10 385</b>	<b>-1,9</b>
Furniture	1 642	1 741	1 844	1 719	1 671	-2,8
Other manufacturing groups	9 112	8 811	8 959	8 864	8 714	-1,7
<b>Total</b>	<b>283 637</b>	<b>288 965</b>	<b>285 044</b>	<b>287 085</b>	<b>281 212</b>	<b>-2,0</b>



## Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the statistical business register (SBR), with enhanced coverage of South African businesses (see point 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
  - 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2019. Both estimated and seasonally adjusted figures are presented.
  - 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
  - 4 Stats SA is continuously updating its SBR, based on units registered for value-added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in:
    - the manufacturing, processing, making or packing of products;
    - the slaughtering of animals, including poultry; and
    - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of All Economic Activities* (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of All Economic Activities* (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two-digit) and major group (three-digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales was 64,8% for March 2024. The improved collection rate for February 2024 was 68,1%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
- Revised figures**
- 11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.
- Related publications**
- 12 Users may also wish to refer to *Stats in Brief* available from Stats SA.

- Rounding-off of figures** 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

## Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 261 enterprises from a population of 31 501 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2023 from Stats SA's statistical business register (SBR). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula used to allocate samples to each stratum is a formula below:

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

$N_h$  and  $S_h$  are the stratum population size and the stratum variance respectively.

- Class limits** 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size groups three and four) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.

### Measure of size classes (Rand)

Enterprise size	Size group	Lower limit	Upper limit
Very small	4	2 248 526	20 000 000
Small	3	20 000 001	52 000 000
Medium	2	52 000 001	204 000 000
Large	1	204 000 001	

- Sample weighting** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.
- Index of the volume of manufacturing production** 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2019. The production in the base period is set at 100.

**Calculation of production index**

- 6 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the producer price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7 More direct indicators are used for the value of production of the following major groups:
  - tobacco;
  - coke and refined petroleum products;
  - basic iron and steel products;
  - basic precious and non-ferrous metal products;
  - motor vehicles; and
  - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

**Index weighting**

- 8 For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2024	National accounts

- 9 The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

**Table E – Weights by division and major group**

Manufacturing division and major group	Weights used for manufacturing indices by period			
	2017 (based on value added for 2015 – 2017)	2018 (based on value added for 2016 – 2018)	2019 (based on value added for 2017 – 2019)	2020 – 2024 (based on value added for 2018 – 2020)
<b>Food and beverages</b>	<b>19,76</b>	<b>20,18</b>	<b>20,75</b>	<b>21,44</b>
Meat, fish, fruit, etc.	2,74	2,95	3,27	3,42
Dairy products	1,32	1,34	1,39	1,47
Grain mill products	1,81	1,69	1,68	1,85
Other food products	7,53	7,76	7,75	7,81
Beverages	6,36	6,44	6,66	6,89
<b>Textiles, clothing, leather and footwear</b>	<b>4,44</b>	<b>4,38</b>	<b>4,26</b>	<b>4,07</b>
Textiles	1,11	1,10	1,08	1,04
Other textile products	0,67	0,65	0,61	0,58
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,07	2,04	1,98	1,88
Leather and leather products	0,28	0,28	0,27	0,26
Footwear	0,25	0,25	0,25	0,25
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,76</b>	<b>10,77</b>	<b>10,63</b>	<b>10,48</b>
Sawmilling and planing of wood	0,93	0,93	0,87	0,86
Products of wood	0,86	0,87	0,88	0,90
Paper and paper products	5,33	5,39	5,34	5,26
Publishing	2,28	2,24	2,18	2,10
Printing, recorded media	1,36	1,34	1,35	1,36
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>25,25</b>	<b>25,38</b>	<b>24,95</b>	<b>24,86</b>
Coke, petroleum products and nuclear fuel	11,72	12,02	11,85	11,92
Basic chemicals	3,82	3,69	3,50	3,39
Other chemical products	6,42	6,54	6,64	6,82
Rubber products	0,91	0,84	0,76	0,68
Plastic products	2,38	2,29	2,20	2,05
<b>Glass and non-metallic mineral products</b>	<b>3,66</b>	<b>3,42</b>	<b>3,24</b>	<b>3,10</b>
Glass and glass products	0,57	0,51	0,49	0,48
Non-metallic mineral products	3,09	2,91	2,75	2,62
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>19,55</b>	<b>19,47</b>	<b>19,73</b>	<b>19,96</b>
Basic iron and steel products	2,77	2,82	2,92	2,92
Non-ferrous metal products (including precious metals)	3,48	3,26	3,32	3,54
Structural metal products	1,97	1,98	1,99	2,01
Other fabricated metal products	3,32	3,35	3,53	3,65
General purpose machinery	3,36	3,46	3,42	3,45
Special purpose machinery	3,93	3,87	3,85	3,73
Household appliances	0,71	0,73	0,70	0,66
<b>Electrical machinery</b>	<b>2,42</b>	<b>2,31</b>	<b>2,21</b>	<b>2,14</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,34</b>	<b>1,21</b>	<b>1,07</b>	<b>1,06</b>
Radio, television and communication apparatus	0,29	0,13	0,04	0,08
Professional equipment	1,05	1,08	1,03	0,98
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,56</b>	<b>8,66</b>	<b>8,89</b>	<b>8,72</b>
Motor vehicles	2,61	2,65	2,78	2,62
Bodies for motor vehicles, trailers and semi-trailers	0,68	0,71	0,73	0,75
Parts and accessories	3,91	3,93	3,97	4,03
Other transport equipment	1,36	1,37	1,40	1,32
<b>Furniture and other manufacturing</b>	<b>4,26</b>	<b>4,21</b>	<b>4,27</b>	<b>4,17</b>
Furniture	0,91	0,86	0,78	0,69
Other manufacturing groups	3,35	3,35	3,49	3,48
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

**Seasonal adjustment** 10 Seasonally adjusted estimates are generated each month, using the X-12 Seasonal Adjustment Program developed by the United States Census Bureau. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. This means the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website:

[Click to download Manufacturing seasonal adjustment February 2022.](#)

**Trend cycle** 11 The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.

**Reliability of estimates** 12 Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.

13 Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.

**Relative standard error** 14 One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of enterprises was used. The relative standard error (RSE) provides an immediate indication of the percentage errors likely to have occurred due to sampling, and thus avoids the need to refer to the size of the estimate.

**Estimates of total industry sales within 95% confidence limits – March 2024**

	Lower limit (R million)	Estimate (R million)	Upper limit (R million)	Relative standard error (RSE) %
Total sales	279 658	283 799	287 939	0,7

**Month-on-month percentage change** 15 The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.

**Year-on-year (annual) percentage change** 16 The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.

**Index contribution (percentage points)** 17 The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.

**Sales contribution (percentage points)** 18 The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

## Glossary

### Enterprise

The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.

### Industry

An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the *System of National Accounts (SNA)* in the same way as in the *Standard Industrial Classification of All Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02 of January 1993.

### Sales

Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection, assembly or other services rendered.

### Symbols and abbreviations

GDP	Gross domestic product
IMF	International Monetary Fund
ISIC	International Standard Industrial Classification
LSS	Large sample survey
NA	National accounts
PPI	Producer price index
SARS	South African Revenue Service
SBR	Statistical business register
SDDS	Special Data Dissemination Standard
SIC	Standard Industrial Classification of All Economic Activities
Stats SA	Statistics South Africa
VAT	Value-added tax
*	Revised figures

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## General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's 12 official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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