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# Statistical release

## P3041.2

# Manufacturing: Production and sales (Preliminary)

October 2014

**Embargoed until:  
9 December 2014  
13:00**

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**Forthcoming issue:**

November 2014

**Expected release date**

12 January 2015

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## Key figures for October 2014

**Table A – Manufacturing production and sales**

Estimates	October 2014	% change between October 2013 and October 2014	% change between August to October 2013 and August to October 2014	% change between January to October 2013 and January to October 2014
Physical volume of manufacturing production index (base: 2010=100)	121,6	2,2	3,2	0,0
Total estimated sales of manufactured products (R million)	174 497	11,7	12,0	9,3

Seasonally adjusted estimates	October 2014	% change between September and October 2014	% change between May to July 2014 and August to October 2014
Physical volume of manufacturing production index (base: 2010=100)	109,8	0,5	3,8
Total value of sales of manufactured products (R million)	160 804	2,0	5,4

***Manufacturing production increased by 2,2% in October 2014 compared with October 2013.***

The 2,2% year-on-year increase in manufacturing production in October 2014 was mainly due to higher production in the following divisions:

- motor vehicles, parts and accessories and other transport equipment (10,3% and contributing 0,9 of a percentage point);
- food and beverages (2,1% and contributing 0,5 of a percentage point); and
- petroleum, chemical products and rubber and plastic products (1,6% and contributing 0,4 of a percentage point) (see Table 4b).

***Seasonally adjusted manufacturing production increased by 3,8% in the three months ended October 2014 compared with the previous three months. Nine of the ten manufacturing divisions reported positive growth rates over this period.***

The main contributors to the 3,8% increase were the motor vehicles, parts and accessories and other transport equipment division (20,0% and contributing 1,6 percentage points) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (5,8% and contributing 1,1 percentage points) (see Table B).

**Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production**

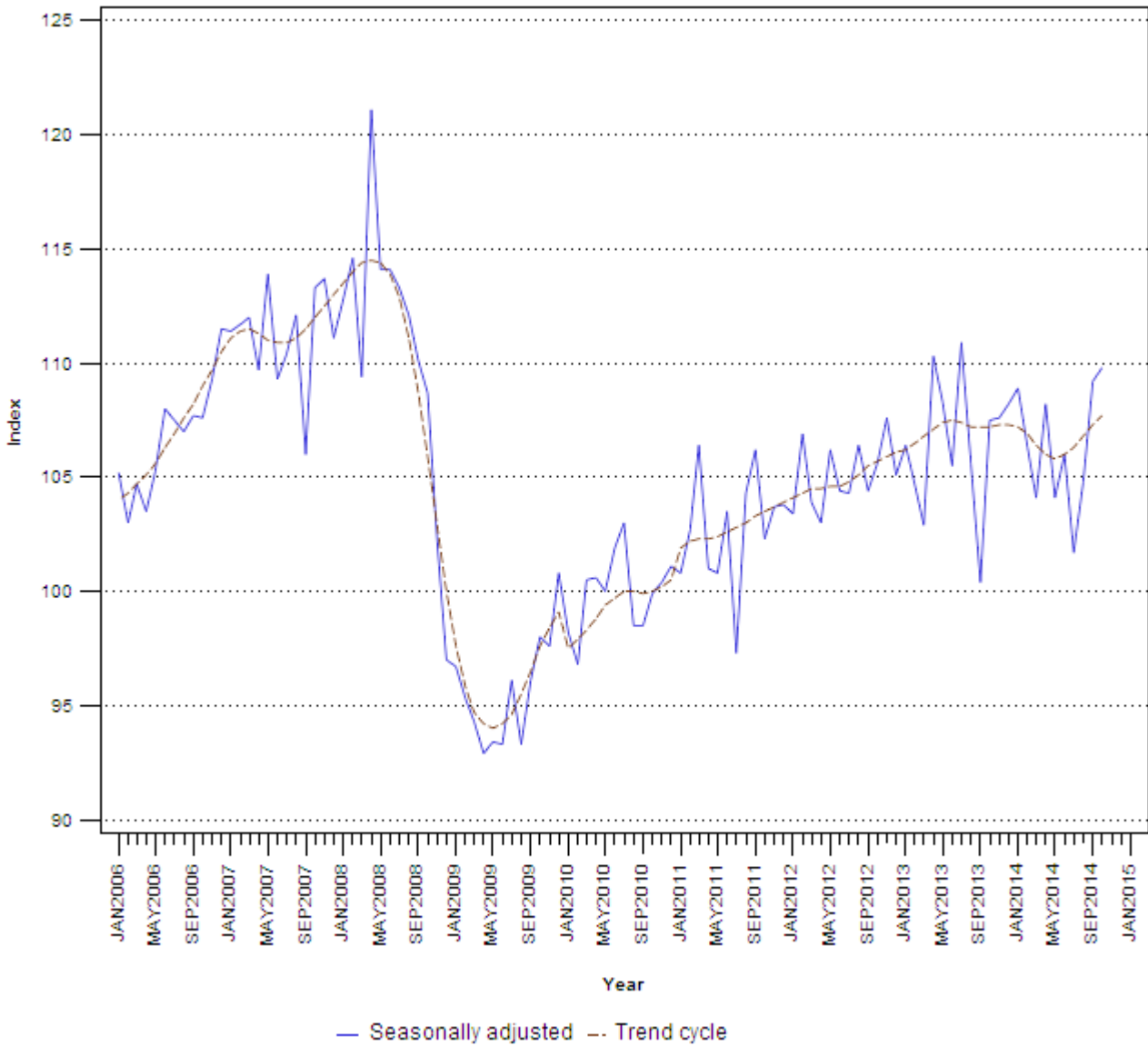
**Base: 2010=100**

Manufacturing divisions and major groups	Weights 2011	Average seasonally adjusted production index for May to July 2014	Average seasonally adjusted production index for August to October 2014	Quarterly % change of August to October 2014 compared with the preceding three months	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
<b>Food and beverages</b>	<b>23,8</b>	<b>109,6</b>	<b>110,6</b>	<b>0,9</b>	<b>0,2</b>
-Meat, fish, fruit, etc.	5,2	115,8	116,2	0,3	0,0
-Dairy products	2,3	105,3	107,9	2,5	0,1
-Grain mill products	2,8	107,0	103,1	-3,6	-0,1
-Other food products	7,1	103,1	105,0	1,8	0,1
-Beverages	6,4	114,4	116,6	1,9	0,1
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>92,6</b>	<b>98,2</b>	<b>6,0</b>	<b>0,2</b>
-Textiles	1,2	84,6	88,0	4,0	0,0
-Wearing apparel	1,1	94,7	100,5	6,1	0,1
-Leather and leather products	0,2	118,0	120,7	2,3	0,0
-Footwear	0,4	98,8	112,1	13,5	0,1
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>103,8</b>	<b>102,2</b>	<b>-1,5</b>	<b>-0,1</b>
-Wood and products of wood	2,6	103,0	107,6	4,5	0,1
-Paper and paper products	3,3	103,3	99,3	-3,9	-0,1
-Publishing and printing	3,6	105,0	101,1	-3,7	-0,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>106,8</b>	<b>108,4</b>	<b>1,5</b>	<b>0,3</b>
-Coke, petroleum products and nuclear fuel	6,3	104,5	94,4	-9,7	-0,6
-Basic chemicals	4,8	112,0	113,6	1,4	0,1
-Other chemical products	7,1	109,2	117,9	8,0	0,6
-Rubber products	1,2	97,3	107,7	10,7	0,1
-Plastic products	3,1	101,2	107,5	6,2	0,2
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>99,7</b>	<b>99,8</b>	<b>0,1</b>	<b>0,0</b>
-Glass and glass products	0,9	87,2	89,2	2,3	0,0
-Non-metallic mineral products	3,5	102,8	102,5	-0,3	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>98,7</b>	<b>104,4</b>	<b>5,8</b>	<b>1,1</b>
-Basic iron and steel products	4,7	92,7	95,6	3,1	0,1
-Basic precious, non-ferrous metal products	3,5	103,0	102,9	-0,1	0,0
-Fabricated metal products	6,1	101,4	109,2	7,7	0,5
-Machinery and equipment	6,1	98,3	107,1	9,0	0,5
<b>Electrical machinery</b>	<b>2,4</b>	<b>96,5</b>	<b>105,6</b>	<b>9,4</b>	<b>0,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>135,0</b>	<b>143,9</b>	<b>6,6</b>	<b>0,1</b>
-Radio, television and communication apparatus	0,9	158,7	172,1	8,4	0,1
-Professional equipment	0,6	98,4	100,3	1,9	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>99,4</b>	<b>119,3</b>	<b>20,0</b>	<b>1,6</b>
-Motor vehicles	3,9	112,9	146,7	29,9	1,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,1	112,4	8,0	0,0
-Parts and accessories	3,0	87,0	93,5	7,5	0,2
-Other transport equipment	1,2	84,9	99,1	16,7	0,2
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>97,1</b>	<b>101,5</b>	<b>4,5</b>	<b>0,2</b>
-Furniture	1,1	116,3	113,0	-2,8	0,0
-Other manufacturing groups	3,0	90,4	97,5	7,9	0,2
<b>Total</b>	<b>100,0</b>	<b>103,9</b>	<b>107,9</b>	<b>3,8</b>	<b>3,8</b>

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

**Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2014**

**Base: 2010=100**



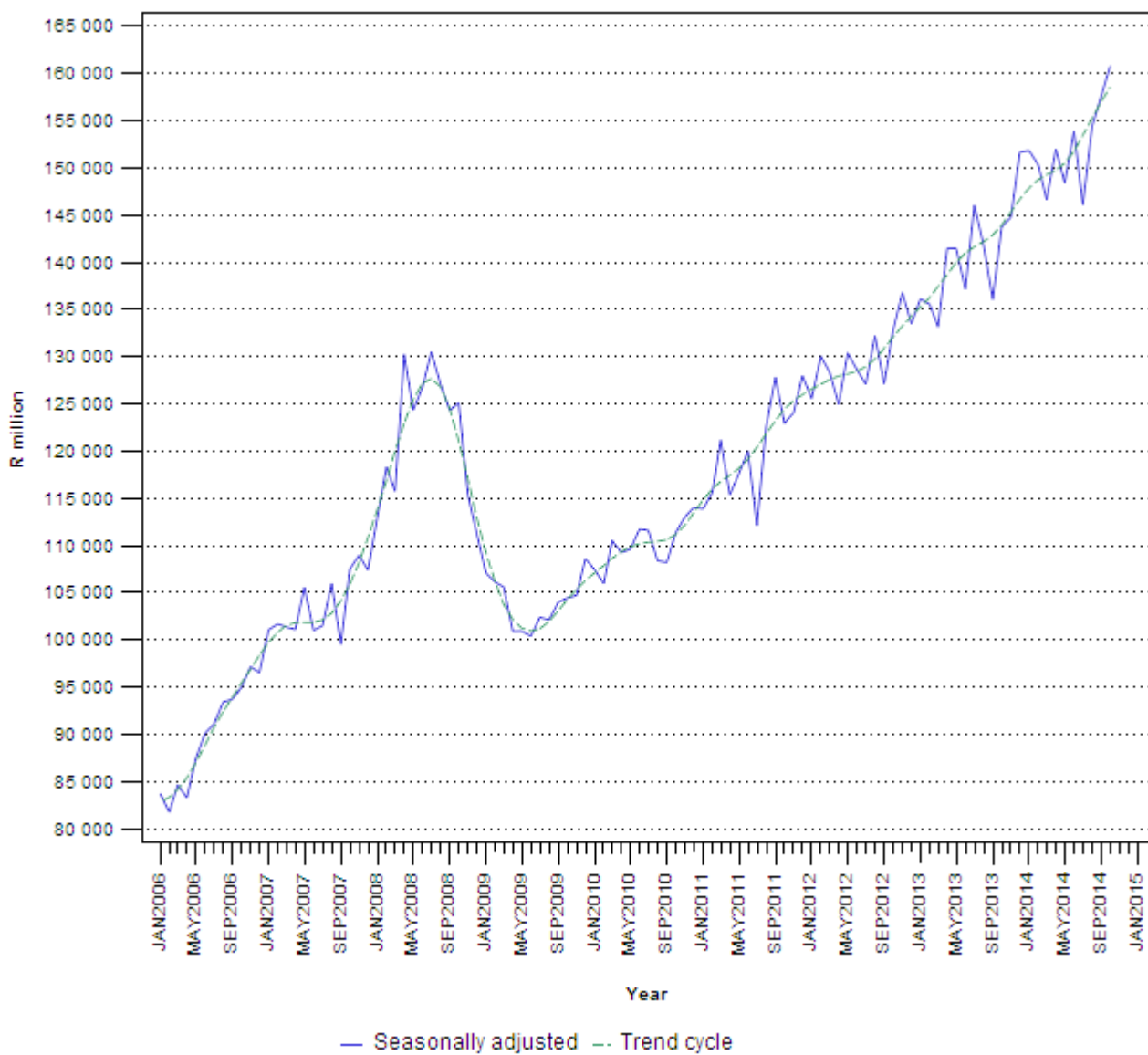
**Seasonally adjusted sales of manufactured products (at current prices) increased by 5,4% (R24 393 million) in the three months ended October 2014 compared with the previous three months.**

The manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were basic iron and steel, non-ferrous metal products, metal products and machinery (11,9% or R11 206 million) and motor vehicles, parts and accessories and other transport equipment (15,8% or R8 303 million) (see Table C).

**Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices**

Manufacturing divisions and major groups	Seasonally adjusted sales May to July 2014	Seasonally adjusted sales August to October 2014	% change between May to July 2014 and August to October 2014	Difference in seasonally adjusted sales of manufacturing divisions between May to July 2014 and August to October 2014
	R'000	R'000	%	R'000
<b>Food and beverages</b>	<b>98 599 787</b>	<b>99 525 585</b>	<b>0,9</b>	<b>925 798</b>
-Food and food products	71 495 812	71 804 590	0,4	308 778
-Beverages	27 103 975	27 720 994	2,3	617 019
<b>Textiles, clothing, leather and footwear</b>	<b>11 960 497</b>	<b>12 762 332</b>	<b>6,7</b>	<b>801 835</b>
-Textiles	4 628 208	4 823 574	4,2	195 366
-Wearing apparel	4 616 963	4 979 980	7,9	363 017
-Leather and leather products	1 594 938	1 634 249	2,5	39 311
-Footwear	1 120 389	1 324 528	18,2	204 139
<b>Wood and wood products, paper, publishing and printing</b>	<b>34 014 821</b>	<b>33 636 931</b>	<b>-1,1</b>	<b>-377 890</b>
-Wood and products of wood	7 142 135	7 333 780	2,7	191 645
-Paper and paper products	15 056 653	15 042 251	-0,1	-14 402
-Publishing and printing	11 816 033	11 260 900	-4,7	-555 133
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>110 977 381</b>	<b>111 016 037</b>	<b>0,0</b>	<b>38 656</b>
-Coke, petroleum products and nuclear fuel	46 704 340	42 872 998	-8,2	-3 831 342
-Basic chemicals	23 106 003	23 911 267	3,5	805 264
-Other chemical products	24 275 929	26 204 331	7,9	1 928 402
-Rubber products	4 059 955	4 373 746	7,7	313 791
-Plastic products	12 831 155	13 653 694	6,4	822 539
<b>Glass and non-metallic mineral products</b>	<b>13 974 169</b>	<b>14 200 266</b>	<b>1,6</b>	<b>226 097</b>
-Glass and glass products	2 325 423	2 374 841	2,1	49 418
-Non-metallic mineral products	11 648 746	11 825 426	1,5	176 680
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>94 348 718</b>	<b>105 554 445</b>	<b>11,9</b>	<b>11 205 727</b>
-Basic iron and steel products	27 947 110	33 820 278	21,0	5 873 168
-Basic precious, non-ferrous metal products	21 777 471	22 589 049	3,7	811 578
-Fabricated metal products	22 329 850	24 142 804	8,1	1 812 954
-Machinery and equipment	22 294 286	25 002 312	12,1	2 708 026
<b>Electrical machinery</b>	<b>12 233 875</b>	<b>14 011 193</b>	<b>14,5</b>	<b>1 777 318</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>4 883 369</b>	<b>5 287 385</b>	<b>8,3</b>	<b>404 016</b>
-Radio, television and communication apparatus	2 963 477	3 363 404	13,5	399 927
-Professional equipment	1 919 891	1 923 981	0,2	4 090
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>52 643 471</b>	<b>60 946 254</b>	<b>15,8</b>	<b>8 302 783</b>
-Motor vehicles, trailers, parts and accessories	47 860 414	55 260 148	15,5	7 399 734
-Other transport equipment	4 783 057	5 686 105	18,9	903 048
<b>Furniture and other manufacturing division</b>	<b>14 801 268</b>	<b>15 889 588</b>	<b>7,4</b>	<b>1 088 320</b>
-Furniture	3 971 657	3 905 937	-1,7	-65 720
-Other manufacturing groups	10 829 612	11 983 650	10,7	1 154 038
<b>Total</b>	<b>448 437 356</b>	<b>472 830 014</b>	<b>5,4</b>	<b>24 392 658</b>

**Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2014**



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## Detailed results

**Table 1 – Total index of the physical volume of manufacturing production: 2008 – 2014**

**Base: 2010=100**

Month	2008	2009	2010	2011	2012	2013	2014
Jan	97,1	82,7	84,5	86,7	89,3	92,3	94,6
Feb	109,4	91,1	92,2	98,4	102,7	100,7	102,3
Mar	113,1	97,6	103,8	109,3	106,6	104,8	105,8
Apr	112,8	86,6	93,4	93,4	95,1	102,0	100,1
May	115,4	94,2	100,6	101,6	107,1	109,6	105,3
Jun	115,7	94,5	102,9	104,2	104,9	105,6	105,8
Jul	116,0	98,2	105,3	98,9	105,8	111,9	102,7
Aug	115,8	96,3	101,6	107,8	110,2	109,6	1/ 108,9
Sep	114,4	99,9	102,2	110,4	108,0	103,9	1/ 112,8
Oct	120,8	108,4	110,3	112,9	116,6	119,0	1/ 121,6
Nov	113,7	107,9	112,2	116,6	121,0	121,1	
Dec	86,3	89,2	91,0	93,5	94,5	97,3	
Year	<b>110,9</b>	<b>95,6</b>	<b>100,0</b>	<b>102,8</b>	<b>105,2</b>	<b>106,5</b>	

1/ Preliminary.

**Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2008 – 2014** 2/

Month	2008	2009	2010	2011	2012	2013	2014
Jan	0,7	-14,8	2,2	2,6	3,0	3,4	2,5
Feb	2,5	-16,7	1,2	6,7	4,4	-1,9	1,6
Mar	-2,2	-13,7	6,4	5,3	-2,5	-1,7	1,0
Apr	9,9	-23,2	7,9	0,0	1,8	7,3	-1,9
May	0,3	-18,4	6,8	1,0	5,4	2,3	-3,9
Jun	4,5	-18,3	8,9	1,3	0,7	0,7	0,2
Jul	2,6	-15,3	7,2	-6,1	7,0	5,8	-8,2
Aug	-0,3	-16,8	5,5	6,1	2,2	-0,5	-0,6
Sep	3,9	-12,7	2,3	8,0	-2,2	-3,8	8,6
Oct	-4,1	-10,3	1,8	2,4	3,3	2,1	2,2
Nov	-9,7	-5,1	4,0	3,9	3,8	0,1	
Dec	-11,2	3,4	2,0	2,7	1,1	3,0	
Year	<b>-0,4</b>	<b>-13,8</b>	<b>4,6</b>	<b>2,8</b>	<b>2,3</b>	<b>1,2</b>	

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

**Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2008 – 2014**

**Base: 2010=100**

Month	2008	2009	2010	2011	2012	2013	2014
Jan	112,8	96,7	98,2	100,8	103,4	106,4	108,9
Feb	114,6	95,3	96,8	102,7	106,9	104,6	106,3
Mar	109,4	94,3	100,5	106,4	103,9	102,9	104,1
Apr	121,1	92,9	100,6	101,0	103,0	110,3	108,2
May	114,1	93,4	100,0	100,8	106,2	108,3	104,1
Jun	114,1	93,3	101,9	103,5	104,4	105,5	106,0
Jul	113,3	96,1	103,0	97,3	104,3	110,9	101,7
Aug	112,1	93,3	98,5	104,3	106,4	105,6	104,8
Sep	110,1	96,1	98,5	106,2	104,4	100,4	109,2
Oct	108,7	98,0	99,9	102,3	105,6	107,5	109,8
Nov	102,2	97,6	100,4	103,7	107,6	107,6	
Dec	97,0	100,8	101,1	103,8	105,1	108,2	



**Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups**

Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average for 2013	Actual indices			Seasonally adjusted indices		
			Oct. 2013	1/ Sep. 2014	1/ Oct. 2014	Oct. 2013	Sep. 2014	Oct. 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>108,0</b>	<b>120,0</b>	<b>119,3</b>	<b>122,5</b>	<b>109,2</b>	<b>113,8</b>	<b>111,5</b>
-Meat, fish, fruit, etc.	5,2	109,5	116,1	122,6	121,3	112,0	119,2	116,9
-Dairy products	2,3	106,0	118,2	114,8	123,2	104,6	110,5	108,8
-Grain mill products	2,8	107,5	114,6	107,5	109,2	107,9	103,5	102,8
-Other food products	7,1	105,0	121,1	121,5	118,9	107,2	111,5	105,8
-Beverages	6,4	111,0	125,0	120,9	133,0	111,4	117,8	118,2
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>95,2</b>	<b>110,1</b>	<b>104,1</b>	<b>118,8</b>	<b>94,0</b>	<b>99,8</b>	<b>101,0</b>
-Textiles	0,8	82,8	93,4	91,6	96,5	82,7	90,0	85,0
-Other textile products	0,4	95,1	108,3	98,6	114,8	94,3	97,0	100,4
-Knitted, crocheted articles	0,1	65,9	71,1	55,0	61,0	65,6	56,9	56,4
-Wearing apparel	1,0	100,9	116,1	106,8	129,5	97,6	101,7	108,8
-Leather and leather products	0,2	120,3	144,5	121,8	134,6	132,4	125,3	122,6
-Footwear	0,4	101,5	123,2	128,7	145,1	96,3	114,1	114,3
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>103,6</b>	<b>115,0</b>	<b>113,3</b>	<b>116,0</b>	<b>102,0</b>	<b>104,3</b>	<b>102,8</b>
-Sawmilling and planing of wood	0,8	108,4	127,3	115,1	133,3	112,0	112,4	117,1
-Products of wood	1,8	98,7	115,9	117,4	122,5	100,2	110,6	105,5
-Paper and paper products	3,3	100,0	100,1	110,3	104,4	95,4	100,3	99,8
-Publishing	1,4	116,5	138,3	116,1	126,4	117,0	105,7	106,0
-Printing, recorded media	2,2	102,6	116,5	112,0	114,7	99,7	101,3	97,9
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>108,6</b>	<b>119,8</b>	<b>107,2</b>	<b>121,7</b>	<b>111,4</b>	<b>107,0</b>	<b>112,7</b>
-Coke, petroleum products and nuclear fuel	6,3	101,9	109,8	87,0	104,4	112,7	93,5	106,4
-Basic chemicals	4,8	108,7	115,8	109,9	124,9	105,9	110,7	114,1
-Other chemical products	7,1	114,5	131,2	121,6	134,4	117,1	117,0	119,7
-Rubber products	1,2	113,0	111,8	105,7	120,7	104,4	104,1	112,8
-Plastic products	3,1	107,4	123,5	111,8	123,7	107,0	107,3	107,1
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>105,5</b>	<b>119,9</b>	<b>104,3</b>	<b>117,0</b>	<b>105,2</b>	<b>100,6</b>	<b>102,4</b>
-Glass and glass products	0,9	105,3	118,3	93,3	108,7	98,9	86,6	90,6
-Non-metallic mineral products	3,5	105,6	120,3	107,1	119,1	106,9	104,1	105,4
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>105,3</b>	<b>116,1</b>	<b>107,3</b>	<b>116,0</b>	<b>105,1</b>	<b>104,9</b>	<b>104,9</b>
-Basic iron and steel products	4,7	94,8	100,2	94,8	100,1	95,8	93,9	96,1
-Non-ferrous metal products	3,5	108,4	116,9	101,4	111,8	107,9	101,7	102,9
-Structural metal products	2,2	88,8	106,3	80,5	97,3	93,7	78,2	84,9
-Other fabricated metal products	3,9	119,5	138,9	137,4	140,2	122,0	133,9	122,6
-General purpose machinery	2,4	100,4	106,7	91,7	103,6	94,3	87,8	91,7
-Special purpose machinery	3,0	114,4	123,3	127,8	135,5	109,9	121,9	120,9
-Household appliances	0,7	113,6	126,5	103,1	128,9	112,6	104,2	114,8
<b>Electrical machinery</b>	<b>2,4</b>	<b>104,8</b>	<b>117,7</b>	<b>113,5</b>	<b>116,4</b>	<b>109,1</b>	<b>105,5</b>	<b>107,6</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>127,1</b>	<b>155,2</b>	<b>148,5</b>	<b>166,8</b>	<b>137,3</b>	<b>142,9</b>	<b>145,9</b>
-Radio, television and communication apparatus	0,9	141,2	182,7	172,5	202,6	157,3	170,7	172,7
-Professional equipment	0,5	105,2	112,7	111,3	111,6	106,3	100,1	104,6
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>109,4</b>	<b>122,8</b>	<b>128,7</b>	<b>135,4</b>	<b>109,6</b>	<b>123,1</b>	<b>121,9</b>
-Motor vehicles	3,9	124,6	149,8	160,6	168,6	131,1	150,9	149,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	133,7	121,9	140,5	111,6	115,8	117,0
-Parts and accessories	3,0	94,8	94,7	98,5	102,7	89,5	94,4	97,9
-Other transport equipment	1,2	96,8	102,2	105,3	109,1	90,6	108,9	97,0
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>94,8</b>	<b>116,6</b>	<b>102,2</b>	<b>122,3</b>	<b>98,0</b>	<b>104,6</b>	<b>102,0</b>
-Furniture	1,1	110,6	149,6	123,2	144,3	115,8	115,8	111,4
-Other manufacturing groups	3,0	89,3	105,1	94,9	114,6	91,8	100,6	98,7
<b>Total</b>	<b>100,0</b>	<b>106,5</b>	<b>119,0</b>	<b>112,8</b>	<b>121,6</b>	<b>107,5</b>	<b>109,2</b>	<b>109,8</b>

1/ Preliminary.

**Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)**

Base: 2010=100

Manufacturing divisions and major groups	Weights 2011	Average for 2013	Actual indices			Seasonally adjusted indices		
			Oct. 2013	1/ Oct. 2014	% change between Oct. 2013 and Oct. 2014	Sep. 2014	Oct. 2014	% change between Sep. and Oct. 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>108,0</b>	<b>120,0</b>	<b>122,5</b>	<b>2,1</b>	<b>113,8</b>	<b>111,5</b>	<b>-2,0</b>
-Meat, fish, fruit, etc.	5,2	109,5	116,1	121,3	4,5	119,2	116,9	-1,9
-Dairy products	2,3	106,0	118,2	123,2	4,2	110,5	108,8	-1,5
-Grain mill products	2,8	107,5	114,6	109,2	-4,7	103,5	102,8	-0,7
-Other food products	7,1	105,0	121,1	118,9	-1,8	111,5	105,8	-5,1
-Beverages	6,4	111,0	125,0	133,0	6,4	117,8	118,2	0,3
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>95,2</b>	<b>110,1</b>	<b>118,8</b>	<b>7,9</b>	<b>99,8</b>	<b>101,0</b>	<b>1,2</b>
-Textiles	0,8	82,8	93,4	96,5	3,3	90,0	85,0	-5,6
-Other textile products	0,4	95,1	108,3	114,8	6,0	97,0	100,4	3,5
-Knitted, crocheted articles	0,1	65,9	71,1	61,0	-14,2	56,9	56,4	-0,9
-Wearing apparel	1,0	100,9	116,1	129,5	11,5	101,7	108,8	7,0
-Leather and leather products	0,2	120,3	144,5	134,6	-6,9	125,3	122,6	-2,2
-Footwear	0,4	101,5	123,2	145,1	17,8	114,1	114,3	0,2
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>103,6</b>	<b>115,0</b>	<b>116,0</b>	<b>0,9</b>	<b>104,3</b>	<b>102,8</b>	<b>-1,4</b>
-Sawmilling and planing of wood	0,8	108,4	127,3	133,3	4,7	112,4	117,1	4,2
-Products of wood	1,8	98,7	115,9	122,5	5,7	110,6	105,5	-4,6
-Paper and paper products	3,3	100,0	100,1	104,4	4,3	100,3	99,8	-0,5
-Publishing	1,4	116,5	138,3	126,4	-8,6	105,7	106,0	0,3
-Printing, recorded media	2,2	102,6	116,5	114,7	-1,5	101,3	97,9	-3,4
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>108,6</b>	<b>119,8</b>	<b>121,7</b>	<b>1,6</b>	<b>107,0</b>	<b>112,7</b>	<b>5,3</b>
-Coke, petroleum products and nuclear fuel	6,3	101,9	109,8	104,4	-4,9	93,5	106,4	13,8
-Basic chemicals	4,8	108,7	115,8	124,9	7,9	110,7	114,1	3,1
-Other chemical products	7,1	114,5	131,2	134,4	2,4	117,0	119,7	2,3
-Rubber products	1,2	113,0	111,8	120,7	8,0	104,1	112,8	8,4
-Plastic products	3,1	107,4	123,5	123,7	0,2	107,3	107,1	-0,2
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>105,5</b>	<b>119,9</b>	<b>117,0</b>	<b>-2,4</b>	<b>100,6</b>	<b>102,4</b>	<b>1,8</b>
-Glass and glass products	0,9	105,3	118,3	108,7	-8,1	86,6	90,6	4,6
-Non-metallic mineral products	3,5	105,6	120,3	119,1	-1,0	104,1	105,4	1,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>105,3</b>	<b>116,1</b>	<b>116,0</b>	<b>-0,1</b>	<b>104,9</b>	<b>104,9</b>	<b>0,0</b>
-Basic iron and steel products	4,7	94,8	100,2	100,1	-0,1	93,9	96,1	2,3
-Non-ferrous metal products	3,5	108,4	116,9	111,8	-4,4	101,7	102,9	1,2
-Structural metal products	2,2	88,8	106,3	97,3	-8,5	78,2	84,9	8,6
-Other fabricated metal products	3,9	119,5	138,9	140,2	0,9	133,9	122,6	-8,4
-General purpose machinery	2,4	100,4	106,7	103,6	-2,9	87,8	91,7	4,4
-Special purpose machinery	3,0	114,4	123,3	135,5	9,9	121,9	120,9	-0,8
-Household appliances	0,7	113,6	126,5	128,9	1,9	104,2	114,8	10,2
<b>Electrical machinery</b>	<b>2,4</b>	<b>104,8</b>	<b>117,7</b>	<b>116,4</b>	<b>-1,1</b>	<b>105,5</b>	<b>107,6</b>	<b>2,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>127,1</b>	<b>155,2</b>	<b>166,8</b>	<b>7,5</b>	<b>142,9</b>	<b>145,9</b>	<b>2,1</b>
-Radio, television and communication apparatus	0,9	141,2	182,7	202,6	10,9	170,7	172,7	1,2
-Professional equipment	0,5	105,2	112,7	111,6	-1,0	100,1	104,6	4,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>109,4</b>	<b>122,8</b>	<b>135,4</b>	<b>10,3</b>	<b>123,1</b>	<b>121,9</b>	<b>-1,0</b>
-Motor vehicles	3,9	124,6	149,8	168,6	12,6	150,9	149,2	-1,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	133,7	140,5	5,1	115,8	117,0	1,0
-Parts and accessories	3,0	94,8	94,7	102,7	8,4	94,4	97,9	3,7
-Other transport equipment	1,2	96,8	102,2	109,1	6,8	108,9	97,0	-10,9
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>94,8</b>	<b>116,6</b>	<b>122,3</b>	<b>4,9</b>	<b>104,6</b>	<b>102,0</b>	<b>-2,5</b>
-Furniture	1,1	110,6	149,6	144,3	-3,5	115,8	111,4	-3,8
-Other manufacturing groups	3,0	89,3	105,1	114,6	9,0	100,6	98,7	-1,9
<b>Total</b>	<b>100,0</b>	<b>106,5</b>	<b>119,0</b>	<b>121,6</b>	<b>2,2</b>	<b>109,2</b>	<b>109,8</b>	<b>0,5</b>

1/ Preliminary.

**Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2008 – 2014**

Month	2008	2009	2010	2011	2012	2013	2014
Jan	94 742 175	89 411 709	90 043 639	95 914 260	107 125 725	116 496 690	130 317 527
Feb	112 667 149	101 389 780	101 802 931	111 504 610	125 726 110	131 666 953	146 262 502
Mar	119 658 956	109 741 940	115 312 858	126 114 741	133 201 183	137 659 315	151 399 659
Apr	121 578 756	93 988 030	101 813 278	108 002 905	117 398 378	133 362 802	143 701 281
May	124 921 581	100 539 504	109 347 265	117 550 156	130 161 819	141 170 742	148 218 032
Jun	129 712 325	102 182 642	113 714 894	122 066 418	130 686 381	139 191 581	156 152 997
Jul	133 522 456	103 852 587	112 863 459	112 900 609	127 523 717	146 281 118	146 085 440
Aug	131 306 310	104 831 059	110 602 573	124 733 688	134 271 194	143 904 416	1/ 156 424 723
Sep	130 807 226	109 100 206	113 246 712	133 013 706	131 703 059	140 281 228	1/ 162 292 443
Oct	137 573 799	114 516 711	121 671 719	133 668 047	144 305 886	156 176 718	1/ 174 496 579
Nov	128 271 568	116 693 241	126 495 305	139 068 350	153 074 012	162 115 203	
Dec	100 934 476	99 259 368	104 538 782	117 666 432	123 592 966	140 400 601	
Year	<b>1 465 696 777</b>	<b>1 245 506 777</b>	<b>1 321 453 415</b>	<b>1 442 203 922</b>	<b>1 558 770 430</b>	<b>1 688 707 367</b>	

1/ Preliminary.

**Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2008 – 2014** 2/

Month	2008	2009	2010	2011	2012	2013	2014
Jan	11,9	-5,6	0,7	6,5	11,7	8,7	11,9
Feb	16,1	-10,0	0,4	9,5	12,8	4,7	11,1
Mar	14,4	-8,3	5,1	9,4	5,6	3,3	10,0
Apr	28,7	-22,7	8,3	6,1	8,7	13,6	7,8
May	17,9	-19,5	8,8	7,5	10,7	8,5	5,0
Jun	26,0	-21,2	11,3	7,3	7,1	6,5	12,2
Jul	29,0	-22,2	8,7	0,0	13,0	14,7	-0,1
Aug	20,0	-20,2	5,5	12,8	7,6	7,2	8,7
Sep	24,8	-16,6	3,8	17,5	-1,0	6,5	15,7
Oct	16,3	-16,8	6,2	9,9	8,0	8,2	11,7
Nov	5,9	-9,0	8,4	9,9	10,1	5,9	
Dec	4,9	-1,7	5,3	12,6	5,0	13,6	
Year	<b>17,9</b>	<b>-15,0</b>	<b>6,1</b>	<b>9,1</b>	<b>8,1</b>	<b>8,3</b>	

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

**Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2008 – 2014**

Month	2008	2009	2010	2011	2012	2013	2014
Jan	112 852 117	107 056 906	107 438 445	113 872 847	125 583 858	136 127 305	151 837 107
Feb	118 293 449	106 098 410	105 957 154	115 605 198	130 024 814	135 536 221	150 324 966
Mar	115 757 664	105 604 627	110 511 998	121 151 006	128 387 367	133 178 826	146 625 458
Apr	130 217 396	100 893 779	109 247 363	115 369 230	124 944 724	141 472 950	152 001 411
May	124 321 600	100 914 403	109 571 591	117 579 484	130 383 595	141 447 817	148 431 137
Jun	126 730 615	100 391 724	111 728 457	119 969 416	128 634 246	137 177 112	153 872 962
Jul	130 492 000	102 376 648	111 575 558	112 106 300	127 075 422	146 058 572	146 133 257
Aug	127 069 594	102 121 301	108 357 676	122 590 486	132 180 849	141 808 642	154 376 136
Sep	124 313 528	103 980 308	108 196 858	127 819 579	127 132 369	136 072 650	157 649 471
Oct	125 109 419	104 420 491	111 366 243	122 929 377	132 813 567	143 736 826	160 804 407
Nov	115 349 376	104 700 623	113 017 358	124 045 173	136 768 626	144 773 973	
Dec	111 226 144	108 581 021	114 024 853	127 965 847	133 504 926	151 669 393	

**Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)**

Manufacturing divisions and major groups	Year 2013	Actual values			Seasonally adjusted values		
		October 2013	1/ September 2014	1/ October 2014	October 2013	September 2014	October 2014
<b>Food and beverages</b>	<b>358 787 605</b>	<b>33 093 325</b>	<b>34 722 615</b>	<b>36 154 898</b>	<b>30 618 007</b>	<b>33 825 871</b>	<b>33 358 524</b>
-Meat, fish, fruit, etc.	93 676 050	8 660 854	9 355 497	9 431 539	8 105 569	9 039 270	8 807 101
-Dairy products	30 433 389	2 872 899	3 007 151	3 297 662	2 613 758	2 964 180	2 989 565
-Grain mill products	60 913 071	5 456 287	5 449 855	5 511 223	5 160 490	5 301 484	5 209 598
-Other food products	74 241 039	6 826 809	7 192 609	7 575 344	6 284 925	7 015 500	6 960 913
-Beverages	99 524 056	9 276 476	9 717 503	10 339 130	8 453 264	9 505 436	9 391 346
<b>Textiles, clothing, leather and footwear</b>	<b>45 890 303</b>	<b>4 466 932</b>	<b>4 376 622</b>	<b>4 992 809</b>	<b>3 903 223</b>	<b>4 308 999</b>	<b>4 351 901</b>
-Textiles	5 646 925	555 936	570 823	646 700	481 786	566 100	557 181
-Other textile products	11 512 078	1 101 671	1 060 793	1 233 622	975 851	1 068 926	1 096 130
-Knitted, crocheted articles	2 614 746	234 826	196 652	212 813	228 165	213 107	207 070
-Wearing apparel	15 631 991	1 531 116	1 529 170	1 728 945	1 308 913	1 472 787	1 476 881
-Leather and leather products	6 142 555	596 318	536 724	611 812	545 990	542 488	560 319
-Footwear	4 342 008	447 065	482 460	558 917	362 519	445 592	454 319
<b>Wood and wood products, paper, publishing and printing</b>	<b>128 298 495</b>	<b>11 966 912</b>	<b>12 591 987</b>	<b>12 560 632</b>	<b>10 805 665</b>	<b>11 490 492</b>	<b>11 340 548</b>
-Sawmilling and planing of wood	9 846 071	955 133	936 651	1 034 167	834 687	880 725	905 898
-Products of wood	17 300 181	1 745 260	1 751 923	1 845 240	1 521 038	1 644 566	1 602 460
-Paper and paper products	55 755 255	4 760 263	5 734 661	5 159 037	4 671 285	5 085 087	5 067 798
-Publishing	20 848 245	2 124 870	1 813 685	2 003 196	1 773 815	1 677 606	1 657 342
-Printing, recorded media	24 548 743	2 381 386	2 355 067	2 518 992	2 004 840	2 202 509	2 107 050
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>423 519 162</b>	<b>38 551 184</b>	<b>35 782 867</b>	<b>42 110 148</b>	<b>35 640 758</b>	<b>35 337 783</b>	<b>38 907 659</b>
-Coke, petroleum products and nuclear fuel	179 277 670	14 922 266	12 172 769	16 377 693	14 730 830	12 736 257	16 158 794
-Basic chemicals	84 434 772	8 192 202	8 267 900	8 938 506	7 159 061	7 894 069	7 821 052
-Other chemical products	94 393 875	9 163 398	9 196 217	9 760 943	8 266 069	8 727 050	8 789 556
-Rubber products	16 107 981	1 372 456	1 426 738	1 626 272	1 301 388	1 441 991	1 536 127
-Plastic products	49 304 864	4 900 862	4 719 243	5 406 734	4 183 410	4 538 415	4 602 130
<b>Glass and non-metallic mineral products</b>	<b>54 410 554</b>	<b>5 357 719</b>	<b>5 173 754</b>	<b>5 523 240</b>	<b>4 656 502</b>	<b>4 772 993</b>	<b>4 784 001</b>
-Glass and glass products	9 847 833	1 000 658	891 962	972 829	831 882	788 157	807 115
-Non-metallic mineral products	44 562 721	4 357 061	4 281 792	4 550 411	3 824 620	3 984 837	3 976 886
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>362 211 704</b>	<b>33 165 215</b>	<b>35 936 875</b>	<b>37 849 616</b>	<b>30 811 681</b>	<b>35 285 706</b>	<b>35 272 598</b>
-Basic iron and steel products	107 121 206	9 119 902	11 006 055	11 058 085	9 019 990	11 152 070	11 004 583
-Non-ferrous metal products	75 898 020	6 926 140	7 811 242	7 965 471	6 542 489	7 531 227	7 543 358
-Structural metal products	33 623 084	3 362 151	2 686 206	3 307 543	2 971 314	2 638 304	2 898 790
-Other fabricated metal products	56 645 754	5 463 378	5 818 858	6 001 249	4 853 464	5 715 055	5 314 726
-General purpose machinery	34 285 217	3 214 280	3 000 239	3 331 048	2 806 980	2 831 971	2 905 872
-Special purpose machinery	45 235 936	4 176 904	4 771 514	5 187 212	3 822 449	4 592 230	4 722 245
-Household appliances	9 402 487	902 460	842 761	999 008	794 996	824 848	883 023
<b>Electrical machinery</b>	<b>50 394 196</b>	<b>4 774 546</b>	<b>5 056 988</b>	<b>5 007 801</b>	<b>4 493 041</b>	<b>4 800 531</b>	<b>4 695 202</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>18 121 946</b>	<b>1 853 879</b>	<b>1 930 249</b>	<b>1 961 061</b>	<b>1 687 308</b>	<b>1 799 571</b>	<b>1 771 044</b>
-Radio, television and communication apparatus	10 394 619	1 140 871	1 197 250	1 279 037	1 001 129	1 154 199	1 116 291
-Professional equipment	7 727 327	713 008	732 999	682 024	686 180	645 372	654 753
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>191 772 877</b>	<b>17 678 462</b>	<b>21 165 116</b>	<b>22 655 141</b>	<b>16 350 144</b>	<b>20 513 000</b>	<b>21 150 542</b>
-Motor vehicles	106 642 282	9 613 043	12 204 175	13 202 717	9 000 039	11 714 998	12 512 996
-Bodies for motor vehicles, trailers and semi-trailers	8 714 712	885 551	874 954	960 940	743 175	798 983	804 537
-Parts and accessories	56 149 287	5 353 448	6 007 845	6 486 829	4 978 293	5 844 989	6 040 019
-Other transport equipment	20 266 596	1 826 420	2 078 142	2 004 655	1 628 637	2 154 030	1 792 990
<b>Furniture and other manufacturing division</b>	<b>55 300 525</b>	<b>5 268 544</b>	<b>5 555 370</b>	<b>5 681 233</b>	<b>4 770 496</b>	<b>5 514 526</b>	<b>5 172 389</b>
-Furniture	14 272 983	1 632 663	1 359 347	1 688 064	1 251 288	1 320 236	1 292 383
-Other manufacturing groups	41 027 542	3 635 881	4 196 023	3 993 169	3 519 209	4 194 291	3 880 006
<b>Total</b>	<b>1 688 707 367</b>	<b>156 176 718</b>	<b>162 292 443</b>	<b>174 496 579</b>	<b>143 736 826</b>	<b>157 649 471</b>	<b>160 804 407</b>

1/ Preliminary.

**Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)**

Manufacturing divisions and major groups	Year 2013	Actual values			Seasonally adjusted values		
		October 2013	1/ October 2014	% change between October 2013 and October 2014	September 2014	October 2014	% change between September and October 2014
<b>Food and beverages</b>	<b>358 787 605</b>	<b>33 093 325</b>	<b>36 154 898</b>	<b>9,3</b>	<b>33 825 871</b>	<b>33 358 524</b>	<b>-1,4</b>
-Meat, fish, fruit, etc.	93 676 050	8 660 854	9 431 539	8,9	9 039 270	8 807 101	-2,6
-Dairy products	30 433 389	2 872 899	3 297 662	14,8	2 964 180	2 989 565	0,9
-Grain mill products	60 913 071	5 456 287	5 511 223	1,0	5 301 484	5 209 598	-1,7
-Other food products	74 241 039	6 826 809	7 575 344	11,0	7 015 500	6 960 913	-0,8
-Beverages	99 524 056	9 276 476	10 339 130	11,5	9 505 436	9 391 346	-1,2
<b>Textiles, clothing, leather and footwear</b>	<b>45 890 303</b>	<b>4 466 932</b>	<b>4 992 809</b>	<b>11,8</b>	<b>4 308 999</b>	<b>4 351 901</b>	<b>1,0</b>
-Textiles	5 646 925	555 936	646 700	16,3	566 100	557 181	-1,6
-Other textile products	11 512 078	1 101 671	1 233 622	12,0	1 068 926	1 096 130	2,5
-Knitted, crocheted articles	2 614 746	234 826	212 813	-9,4	213 107	207 070	-2,8
-Wearing apparel	15 631 991	1 531 116	1 728 945	12,9	1 472 787	1 476 881	0,3
-Leather and leather products	6 142 555	596 318	611 812	2,6	542 488	560 319	3,3
-Footwear	4 342 008	447 065	558 917	25,0	445 592	454 319	2,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>128 298 495</b>	<b>11 966 912</b>	<b>12 560 632</b>	<b>5,0</b>	<b>11 490 492</b>	<b>11 340 548</b>	<b>-1,3</b>
-Sawmilling and planing of wood	9 846 071	955 133	1 034 167	8,3	880 725	905 898	2,9
-Products of wood	17 300 181	1 745 260	1 845 240	5,7	1 644 566	1 602 460	-2,6
-Paper and paper products	55 755 255	4 760 263	5 159 037	8,4	5 085 087	5 067 798	-0,3
-Publishing	20 848 245	2 124 870	2 003 196	-5,7	1 677 606	1 657 342	-1,2
-Printing, recorded media	24 548 743	2 381 386	2 518 992	5,8	2 202 509	2 107 050	-4,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>423 519 162</b>	<b>38 551 184</b>	<b>42 110 148</b>	<b>9,2</b>	<b>35 337 783</b>	<b>38 907 659</b>	<b>10,1</b>
-Coke, petroleum products and nuclear fuel	179 277 670	14 922 266	16 377 693	9,8	12 736 257	16 158 794	26,9
-Basic chemicals	84 434 772	8 192 202	8 938 506	9,1	7 894 069	7 821 052	-0,9
-Other chemical products	94 393 875	9 163 398	9 760 943	6,5	8 727 050	8 789 556	0,7
-Rubber products	16 107 981	1 372 456	1 626 272	18,5	1 441 991	1 536 127	6,5
-Plastic products	49 304 864	4 900 862	5 406 734	10,3	4 538 415	4 602 130	1,4
<b>Glass and non-metallic mineral products</b>	<b>54 410 554</b>	<b>5 357 719</b>	<b>5 523 240</b>	<b>3,1</b>	<b>4 772 993</b>	<b>4 784 001</b>	<b>0,2</b>
-Glass and glass products	9 847 833	1 000 658	972 829	-2,8	788 157	807 115	2,4
-Non-metallic mineral products	44 562 721	4 357 061	4 550 411	4,4	3 984 837	3 976 886	-0,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>362 211 704</b>	<b>33 165 215</b>	<b>37 849 616</b>	<b>14,1</b>	<b>35 285 706</b>	<b>35 272 598</b>	<b>-0,0</b>
-Basic iron and steel products	107 121 206	9 119 902	11 058 085	21,3	11 152 070	11 004 583	-1,3
-Non-ferrous metal products	75 898 020	6 926 140	7 965 471	15,0	7 531 227	7 543 358	0,2
-Structural metal products	33 623 084	3 362 151	3 307 543	-1,6	2 638 304	2 898 790	9,9
-Other fabricated metal products	56 645 754	5 463 378	6 001 249	9,8	5 715 055	5 314 726	-7,0
-General purpose machinery	34 285 217	3 214 280	3 331 048	3,6	2 831 971	2 905 872	2,6
-Special purpose machinery	45 235 936	4 176 904	5 187 212	24,2	4 592 230	4 722 245	2,8
-Household appliances	9 402 487	902 460	999 008	10,7	824 848	883 023	7,1
<b>Electrical machinery</b>	<b>50 394 196</b>	<b>4 774 546</b>	<b>5 007 801</b>	<b>4,9</b>	<b>4 800 531</b>	<b>4 695 202</b>	<b>-2,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>18 121 946</b>	<b>1 853 879</b>	<b>1 961 061</b>	<b>5,8</b>	<b>1 799 571</b>	<b>1 771 044</b>	<b>-1,6</b>
-Radio, television and communication apparatus	10 394 619	1 140 871	1 279 037	12,1	1 154 199	1 116 291	-3,3
-Professional equipment	7 727 327	713 008	682 024	-4,3	645 372	654 753	1,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>191 772 877</b>	<b>17 678 462</b>	<b>22 655 141</b>	<b>28,2</b>	<b>20 513 000</b>	<b>21 150 542</b>	<b>3,1</b>
-Motor vehicles	106 642 282	9 613 043	13 202 717	37,3	11 714 998	12 512 996	6,8
-Bodies for motor vehicles, trailers and semi-trailers	8 714 712	885 551	960 940	8,5	798 983	804 537	0,7
-Parts and accessories	56 149 287	5 353 448	6 486 829	21,2	5 844 989	6 040 019	3,3
-Other transport equipment	20 266 596	1 826 420	2 004 655	9,8	2 154 030	1 792 990	-16,8
<b>Furniture and other manufacturing division</b>	<b>55 300 525</b>	<b>5 268 544</b>	<b>5 681 233</b>	<b>7,8</b>	<b>5 514 526</b>	<b>5 172 389</b>	<b>-6,2</b>
-Furniture	14 272 983	1 632 663	1 688 064	3,4	1 320 236	1 292 383	-2,1
-Other manufacturing groups	41 027 542	3 635 881	3 993 169	9,8	4 194 291	3 880 006	-7,5
<b>Total</b>	<b>1 688 707 367</b>	<b>156 176 718</b>	<b>174 496 579</b>	<b>11,7</b>	<b>157 649 471</b>	<b>160 804 407</b>	<b>2,0</b>

1/ Preliminary.



**Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights 2011	Production indices (base: 2010=100)			Value of sales (R'000)		
		Aug. to Oct. 2013	Aug. to Oct. 2014	% change between Aug. to Oct. 2013 and Aug. to Oct. 2014	Aug. to Oct. 2013	Aug. to Oct. 2014	% change between Aug. to Oct. 2013 and Aug. to Oct. 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>114,7</b>	<b>117,3</b>	<b>2,3</b>	<b>93 512 166</b>	<b>103 038 428</b>	<b>10,2</b>
-Meat, fish, fruit, etc.	5,2	112,7	119,4	5,9	24 572 094	27 469 962	11,8
-Dairy products	2,3	109,6	113,7	3,7	7 831 893	9 074 207	15,9
-Grain mill products	2,8	110,8	107,6	-2,9	15 773 108	16 351 980	3,7
-Other food products	7,1	119,8	117,9	-1,6	19 747 394	21 899 928	10,9
-Beverages	6,4	114,2	120,4	5,4	25 587 677	28 242 351	10,4
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>101,3</b>	<b>106,5</b>	<b>5,1</b>	<b>12 115 619</b>	<b>13 547 331</b>	<b>11,8</b>
-Textiles	0,8	86,1	87,4	1,5	1 498 663	1 695 879	13,2
-Other textile products	0,4	95,5	104,4	9,3	2 905 433	3 374 854	16,2
-Knitted, crocheted articles	0,1	65,9	54,6	-17,1	647 458	586 390	-9,4
-Wearing apparel	1,0	108,3	114,1	5,4	4 234 132	4 739 412	11,9
-Leather and leather products	0,2	127,6	120,8	-5,3	1 630 079	1 668 898	2,4
-Footwear	0,4	115,7	131,6	13,7	1 199 854	1 481 898	23,5
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>115,6</b>	<b>110,3</b>	<b>-4,6</b>	<b>36 222 129</b>	<b>36 282 592</b>	<b>0,2</b>
-Sawmilling and planing of wood	0,8	119,3	120,2	0,8	2 801 306	2 812 600	0,4
-Products of wood	1,8	109,3	114,9	5,1	4 848 722	5 174 619	6,7
-Paper and paper products	3,3	107,1	104,0	-2,9	15 161 097	15 910 738	4,9
-Publishing	1,4	143,0	115,5	-19,2	6 548 242	5 439 534	-16,9
-Printing, recorded media	2,2	113,9	109,0	-4,3	6 862 762	6 945 101	1,2
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>112,2</b>	<b>112,3</b>	<b>0,1</b>	<b>110 393 096</b>	<b>114 905 896</b>	<b>4,1</b>
-Coke, petroleum products and nuclear fuel	6,3	106,7	92,7	-13,1	45 402 184	42 558 663	-6,3
-Basic chemicals	4,8	106,8	117,7	10,2	22 324 332	25 279 395	13,2
-Other chemical products	7,1	122,0	125,3	2,7	25 632 932	27 832 725	8,6
-Rubber products	1,2	104,3	108,3	3,8	3 717 036	4 415 872	18,8
-Plastic products	3,1	112,4	115,8	3,0	13 316 612	14 819 241	11,3
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>114,6</b>	<b>108,0</b>	<b>-5,8</b>	<b>15 004 444</b>	<b>15 608 084</b>	<b>4,0</b>
-Glass and glass products	0,9	114,8	99,8	-13,1	2 775 017	2 660 814	-4,1
-Non-metallic mineral products	3,5	114,5	110,0	-3,9	12 229 427	12 947 270	5,9
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>111,3</b>	<b>110,4</b>	<b>-0,8</b>	<b>95 667 146</b>	<b>109 274 130</b>	<b>14,2</b>
-Basic iron and steel products	4,7	98,1	97,9	-0,2	27 114 153	33 498 755	23,5
-Non-ferrous metal products	3,5	112,9	107,3	-5,0	20 167 661	23 358 433	15,8
-Structural metal products	2,2	97,5	87,1	-10,7	9 159 012	8 798 118	-3,9
-Other fabricated metal products	3,9	133,2	135,9	2,0	15 581 460	17 147 038	10,0
-General purpose machinery	2,4	102,0	96,9	-5,0	9 024 181	9 396 978	4,1
-Special purpose machinery	3,0	118,6	127,7	7,7	12 112 851	14 396 219	18,9
-Household appliances	0,7	115,8	115,1	-0,6	2 507 828	2 678 589	6,8
<b>Electrical machinery</b>	<b>2,4</b>	<b>113,5</b>	<b>113,3</b>	<b>-0,2</b>	<b>13 921 521</b>	<b>14 899 819</b>	<b>7,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>139,2</b>	<b>157,4</b>	<b>13,1</b>	<b>5 166 325</b>	<b>5 856 469</b>	<b>13,4</b>
-Radio, television and communication apparatus	0,9	160,2	191,1	19,3	3 087 453	3 795 893	22,9
-Professional equipment	0,5	106,8	105,4	-1,3	2 078 872	2 060 576	-0,9
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>90,9</b>	<b>128,6</b>	<b>41,5</b>	<b>43 534 272</b>	<b>63 175 584</b>	<b>45,1</b>
-Motor vehicles	3,9	90,1	160,3	77,9	22 770 232	36 274 269	59,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	125,5	124,5	-0,8	2 489 548	2 599 200	4,4
-Parts and accessories	3,0	84,5	98,7	16,8	13 295 301	18 349 438	38,0
-Other transport equipment	1,2	94,4	104,3	10,5	4 979 191	5 952 677	19,6
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>99,4</b>	<b>108,3</b>	<b>9,0</b>	<b>14 825 644</b>	<b>16 625 412</b>	<b>12,1</b>
-Furniture	1,1	127,5	127,9	0,3	4 129 848	4 371 964	5,9
-Other manufacturing groups	3,0	89,5	101,5	13,4	10 695 796	12 253 448	14,6
<b>Total</b>	<b>100,0</b>	<b>110,8</b>	<b>114,4</b>	<b>3,2</b>	<b>440 362 362</b>	<b>493 213 745</b>	<b>12,0</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 business sampling frame (BSF), with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
  - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2010. Both estimated and seasonally adjusted figures are presented.
  - 3 In order to improve timeliness, some information for the latest month had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
  - 4 As indicated earlier, Stats SA is continuously upgrading its BR, 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 indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the gross domestic product (GDP).
- 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 for October 2014 was 88,1%. The improved collection rate for September 2014 was 90,5%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the 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.

**Survey methodology and design**

- 11** The survey is conducted monthly. Questionnaires are sent to a sample of 3 000 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 non-respondents.
- 12** The value of sales of manufactured products is obtained monthly from the sample of 3 000 enterprises, which was drawn in April 2014 from a population then of 45 405 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) 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.
- 13** 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 Production 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.
- 14** More direct indicators are used for the value of production of 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 physical 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).

**Weighting methodology**

- 15** 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.
- 16** For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent large sample survey of the manufacturing industry or national accounts value added weights. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS), for the period 2005 to 2009, the weights are based on the 2005 LSS, for the period 2010 the weights are based on national accounts value added data for 2010 and for the period 2011 to 2014, the weights are based on national accounts value added data of 2011. Weights between LSS / national accounts years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table F for the fixed weights which were used for the three periods 2005 to 2009, 2010 and 2011 to 2014).

**Seasonal adjustment**

- 17** Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from a time 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. Currently, no adjustment is made for changes in the timing of Easter. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.



- Trend cycle**                    **18** The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates**    **19** 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.
- 20** 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.
- Revised figures**                **21** Revised figures are due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications**        **22** Users may also wish to refer to the following publications available from Stats SA:
- *Bulletin of Statistics*, issued quarterly.
  - *South African Statistics*, issued annually.
- Rounding-off of figures**    **23** 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.
- Symbols and abbreviations**    **24**
- |          |   |
|----------|---|
| BR       | Business Register   |
| GDP      | Gross domestic product  |
| ISIC     | International Standard Industrial Classification              |
| LSS      | Large sample survey   |
| m        | Million   |
| SIC      | Standard Industrial Classification of all Economic Activities |
| SARS     | South African Revenue Service                                 |
| Stats SA | Statistics South Africa                                       |
| VAT      | Value added tax   |
| *        | Revised figures   |

**Technical notes**

**26 Neyman optimal allocation**

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

$$n_h = n * ( N_h * S_h ) / [ \sum ( N_i * S_i ) ].$$

Class limits: Manufacturing (Rand)

Enterprise size	Lower limits	Upper limits
Very small	1 633 746	15 000 000
Small	15 000 001	39 000 000
Medium	39 000 001	153 000 000
Large	153 000 001	

## Glossary

<b>Enterprise</b>	An 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.
<b>Index of physical volume of manufacturing production</b>	The index of physical 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 base period is 2010. The production in the base period is set at 100.
<b>Industry</b>	An industry consists of a group of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the 1993 <i>Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
<b>Intermediate consumption</b>	Intermediate consumption includes: <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes: <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid.
<b>Value added</b>	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
<b>Sales</b>	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.
<b>Turnover</b>	Turnover refers to: <ul style="list-style-type: none"><li>• the value of sales and transfers out of all own manufactured products/articles;</li><li>• amounts received for work done; and</li><li>• amounts received for services rendered.</li></ul>

Turnover excludes:

- value added tax (VAT);
- export freight charges; and
- excise duty.

## **Weight**

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

**Table D – Weights according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2009	Weights according to 2010 national accounts value added 2010	Weights according to 2011 national accounts value added 2011 - 2014
<b>Food and beverages</b>	<b>15,4</b>	<b>22,1</b>	<b>23,8</b>
Meat, fish, fruit, etc.	1,8	4,4	5,2
Dairy products	0,8	2,2	2,3
Grain mill products	0,8	2,7	2,8
Other food products	5,2	6,4	7,1
Beverages	6,8	6,4	6,4
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>3,5</b>	<b>2,9</b>
Textiles	0,7	0,7	0,8
Other textile products	0,9	0,4	0,4
Knitted, crocheted articles	0,2	0,1	0,1
Wearing apparel	2,1	1,6	1,0
Tanning, dressing of leather	0,6	0,2	0,2
Footwear	0,4	0,5	0,4
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>9,3</b>	<b>9,5</b>
Sawmilling and planing of wood	0,7	0,8	0,8
Products of wood	1,3	1,7	1,8
Paper and paper products	3,8	3,2	3,3
Publishing	1,9	1,4	1,4
Printing, recorded media	2,5	2,2	2,2
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>25,1</b>	<b>22,5</b>
Petroleum products	8,5	8,0	6,3
Basic chemicals	4,5	5,8	4,8
Other chemical products	5,3	7,4	7,1
Rubber products	1,0	1,2	1,2
Plastic products	2,7	2,7	3,1
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>4,9</b>	<b>4,4</b>
Glass and glass products	1,0	0,8	0,9
Non-metallic mineral products	3,8	4,1	3,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>20,3</b>	<b>20,4</b>
Basic iron and steel products	7,7	4,4	4,7
Non-ferrous metal products	3,4	3,5	3,5
Structural metal products	2,0	1,9	2,2
Other fabricated metal products	3,8	3,8	3,9
General purpose machinery	2,4	2,3	2,4
Special purpose machinery	3,1	3,5	3,0
Household appliances	0,6	0,9	0,7
<b>Electrical machinery</b>	<b>2,5</b>	<b>2,4</b>	<b>2,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>1,3</b>	<b>1,4</b>
Radio, television and communication apparatus	0,4	0,8	0,9
Professional equipment	0,7	0,5	0,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>7,9</b>	<b>8,6</b>
Motor vehicles	4,9	3,2	3,9
Bodies for motor vehicles, trailers and semi-trailers	0,5	0,6	0,5
Parts and accessories	4,7	2,9	3,0
Other transport equipment	0,9	1,2	1,2
<b>Other manufacturing divisions</b>	<b>5,2</b>	<b>3,2</b>	<b>4,1</b>
Furniture	1,3	0,9	1,1
Other manufacturing groups	3,9	2,3	3,0
<b>Total</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>

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