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# Statistical release

## P3041.2

# Manufacturing: Production and sales (Preliminary)

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## Key figures for March 2014

**Table A – Manufacturing production and sales**

Estimates	March 2014	% change between March 2013 and March 2014	% change between January to March 2013 and January to March 2014
Physical volume of manufacturing production index (base: 2010=100)	105,5	0,7	1,5
Total estimated sales of manufactured products (R million)	148 508	9,7	10,8

Seasonally adjusted estimates	March 2014	% change between February and March 2014	% change between October to December 2013 and January to March 2014
Physical volume of manufacturing production index (base: 2010=100)	104,1	-1,9	-1,6
Total value of sales of manufactured products (R million)	144 045	-2,5	1,8

***Manufacturing production increased by 0,7% in March 2014 compared with March 2013.***

The 0,7% year-on-year increase in manufacturing production in March 2014 was mainly due to higher production in the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (4,6% and contributing 0,9 of a percentage point); and
- wood and wood products, paper, publishing and printing (9,8% and contributing 0,9 of a percentage point) (see Table 4b).

***Seasonally adjusted manufacturing production decreased by 1,6% in the first quarter of 2014 compared with the fourth quarter of 2013. Seven of the ten manufacturing divisions reported negative growth rates over this period.***

The largest negative contributions to the decrease of 1,6% were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-2,7% and contributing -0,6 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-2,7% and contributing -0,5 of a percentage point) (see Table B).

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

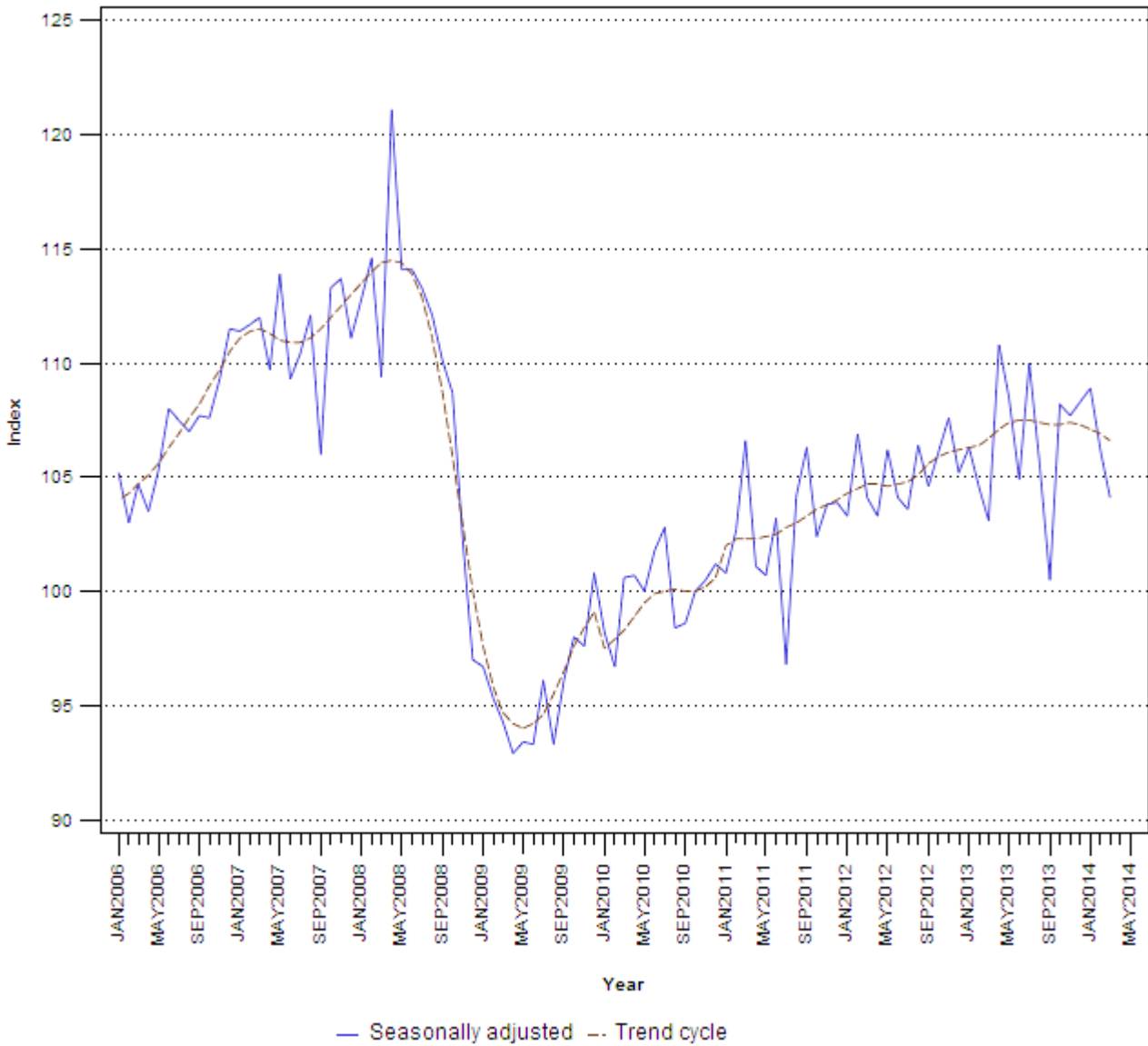
**Base: 2010=100**

Manufacturing divisions and major groups	Weights 2011	Average seasonally adjusted production index for October to December 2013	Average seasonally adjusted production index for January to March 2014	Quarterly % change of January to March 2014 compared with the preceding quarter	Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/
<b>Food and beverages</b>	<b>23,8</b>	<b>108,6</b>	<b>109,1</b>	<b>0,5</b>	<b>0,1</b>
-Meat, fish, fruit, etc.	5,2	112,5	113,6	1,0	0,1
-Dairy products	2,3	104,0	106,1	2,0	0,0
-Grain mill products	2,8	108,6	106,8	-1,7	0,0
-Other food products	7,1	104,4	108,0	3,4	0,2
-Beverages	6,4	111,7	108,7	-2,7	-0,2
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>94,1</b>	<b>95,4</b>	<b>1,4</b>	<b>0,0</b>
-Textiles	1,2	85,1	85,2	0,1	0,0
-Wearing apparel	1,1	94,7	99,4	5,0	0,0
-Leather and leather products	0,2	133,7	127,1	-4,9	0,0
-Footwear	0,4	102,0	101,1	-0,9	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>102,4</b>	<b>100,5</b>	<b>-1,9</b>	<b>-0,2</b>
-Wood and products of wood	2,6	99,7	103,7	4,0	0,1
-Paper and paper products	3,3	98,6	104,1	5,6	0,2
-Publishing and printing	3,6	107,6	95,0	-11,7	-0,4
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>112,4</b>	<b>109,4</b>	<b>-2,7</b>	<b>-0,6</b>
-Coke, petroleum products and nuclear fuel	6,3	113,6	102,8	-9,5	-0,6
-Basic chemicals	4,8	111,5	115,1	3,2	0,2
-Other chemical products	7,1	114,2	111,6	-2,3	-0,2
-Rubber products	1,2	110,4	115,2	4,3	0,1
-Plastic products	3,1	107,9	106,5	-1,3	0,0
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>103,1</b>	<b>102,2</b>	<b>-0,9</b>	<b>0,0</b>
-Glass and glass products	0,9	97,8	94,8	-3,1	0,0
-Non-metallic mineral products	3,5	104,4	104,1	-0,3	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>105,5</b>	<b>102,6</b>	<b>-2,7</b>	<b>-0,5</b>
-Basic iron and steel products	4,7	95,0	91,5	-3,7	-0,2
-Basic precious, non-ferrous metal products	3,5	104,3	107,8	3,4	0,1
-Fabricated metal products	6,1	114,0	107,0	-6,1	-0,4
-Machinery and equipment	6,1	105,7	103,8	-1,8	-0,1
<b>Electrical machinery</b>	<b>2,4</b>	<b>105,1</b>	<b>105,3</b>	<b>0,2</b>	<b>0,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>139,8</b>	<b>133,1</b>	<b>-4,8</b>	<b>-0,1</b>
-Radio, television and communication apparatus	0,9	158,0	148,5	-6,0	-0,1
-Professional equipment	0,6	111,7	109,3	-2,1	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>115,0</b>	<b>111,9</b>	<b>-2,7</b>	<b>-0,2</b>
-Motor vehicles	3,9	138,0	128,4	-7,0	-0,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	110,3	104,1	-5,6	0,0
-Parts and accessories	3,0	90,7	96,8	6,7	0,2
-Other transport equipment	1,2	104,3	100,9	-3,3	0,0
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>98,3</b>	<b>98,1</b>	<b>-0,2</b>	<b>0,0</b>
-Furniture	1,1	114,2	107,7	-5,7	-0,1
-Other manufacturing groups	3,0	92,7	94,8	2,3	0,1
<b>Total</b>	<b>100,0</b>	<b>108,1</b>	<b>106,4</b>	<b>-1,6</b>	<b>-1,6</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**



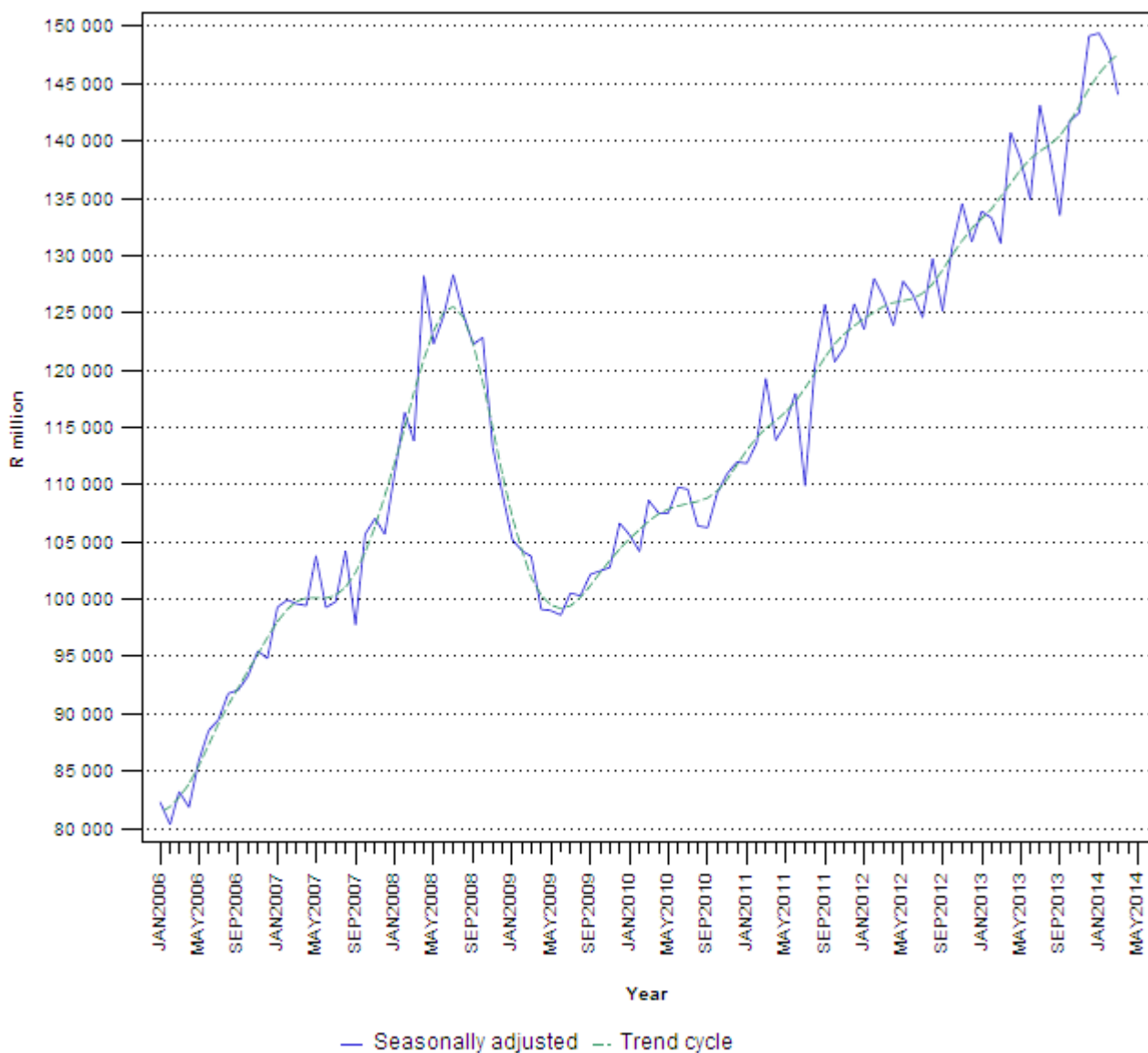
**Seasonally adjusted sales of manufactured products (at current prices) increased by 1,8% (R7 894 million) in the quarter ended March 2014 compared with the previous quarter.**

The manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were motor vehicles, parts and accessories and other transport equipment (6,3% or R3 255 million) and basic iron and steel, non-ferrous metal products, metal products and machinery (2,8% or R2 594 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 October to December 2013	Seasonally adjusted sales January to March 2014	% change between October to December 2013 and January to March 2014	Difference in seasonally adjusted sales of manufacturing divisions between October to December 2013 and January to March 2014
	R'000	R'000	%	R'000
<b>Food and beverages</b>	<b>90 582 763</b>	<b>92 136 828</b>	<b>1,7</b>	<b>1 554 065</b>
-Food and food products	65 819 110	67 707 985	2,9	1 888 875
-Beverages	24 763 654	24 428 845	-1,4	-334 809
<b>Textiles, clothing, leather and footwear</b>	<b>11 119 271</b>	<b>11 370 984</b>	<b>2,3</b>	<b>251 713</b>
-Textiles	4 096 805	4 241 422	3,5	144 617
-Wearing apparel	4 242 602	4 472 237	5,4	229 635
-Leather and leather products	1 821 155	1 714 171	-5,9	-106 984
-Footwear	958 710	943 150	-1,6	-15 560
<b>Wood and wood products, paper, publishing and printing</b>	<b>31 351 579</b>	<b>31 327 344</b>	<b>-0,1</b>	<b>-24 235</b>
-Wood and products of wood	6 413 597	6 522 984	1,7	109 387
-Paper and paper products	14 354 921	15 128 179	5,4	773 258
-Publishing and printing	10 583 060	9 676 181	-8,6	-906 879
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>112 247 725</b>	<b>112 380 821</b>	<b>0,1</b>	<b>133 096</b>
-Coke, petroleum products and nuclear fuel	50 636 475	47 583 458	-6,0	-3 053 017
-Basic chemicals	22 144 151	24 774 221	11,9	2 630 070
-Other chemical products	22 649 168	22 642 682	0,0	-6 486
-Rubber products	3 967 130	4 279 832	7,9	312 702
-Plastic products	12 850 801	13 100 630	1,9	249 829
<b>Glass and non-metallic mineral products</b>	<b>12 815 337</b>	<b>12 647 252</b>	<b>-1,3</b>	<b>-168 085</b>
-Glass and glass products	2 152 240	2 085 193	-3,1	-67 047
-Non-metallic mineral products	10 663 097	10 562 058	-0,9	-101 039
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>92 435 499</b>	<b>95 029 341</b>	<b>2,8</b>	<b>2 593 842</b>
-Basic iron and steel products	26 575 829	28 466 355	7,1	1 890 526
-Basic precious, non-ferrous metal products	18 873 696	20 208 233	7,1	1 334 537
-Fabricated metal products	24 159 582	23 431 487	-3,0	-728 095
-Machinery and equipment	22 826 391	22 923 263	0,4	96 872
<b>Electrical machinery</b>	<b>12 227 951</b>	<b>12 269 953</b>	<b>0,3</b>	<b>42 002</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>5 256 212</b>	<b>5 319 285</b>	<b>1,2</b>	<b>63 073</b>
-Radio, television and communication apparatus	2 729 804	2 850 055	4,4	120 251
-Professional equipment	2 526 407	2 469 231	-2,3	-57 176
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>51 604 123</b>	<b>54 858 796</b>	<b>6,3</b>	<b>3 254 673</b>
-Motor vehicles, trailers, parts and accessories	46 365 531	49 671 876	7,1	3 306 345
-Other transport equipment	5 238 592	5 186 920	-1,0	-51 672
<b>Furniture and other manufacturing division</b>	<b>13 709 027</b>	<b>13 903 212</b>	<b>1,4</b>	<b>194 185</b>
-Furniture	3 464 370	3 344 995	-3,4	-119 375
-Other manufacturing groups	10 244 656	10 558 215	3,1	313 559
<b>Total</b>	<b>433 349 483</b>	<b>441 243 814</b>	<b>1,8</b>	<b>7 894 331</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	1/ 94,6
Feb	109,4	91,1	92,2	98,4	102,7	100,7	1/ 102,2
Mar	113,1	97,6	103,8	109,3	106,6	104,8	1/ 105,5
Apr	112,8	86,6	93,4	93,4	95,1	102,0	
May	115,4	94,2	100,6	101,6	107,1	109,6	
Jun	115,7	94,5	102,9	104,2	104,9	105,6	
Jul	116,0	98,2	105,3	98,9	105,8	111,9	
Aug	115,8	96,3	101,6	107,8	110,2	109,6	
Sep	114,4	99,9	102,2	110,4	108,0	103,9	
Oct	120,8	108,4	110,3	112,9	116,6	119,0	
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	1,5
Mar	-2,2	-13,7	6,4	5,3	-2,5	-1,7	0,7
Apr	9,9	-23,2	7,9	0,0	1,8	7,3	
May	0,3	-18,4	6,8	1,0	5,4	2,3	
Jun	4,5	-18,3	8,9	1,3	0,7	0,7	
Jul	2,6	-15,3	7,2	-6,1	7,0	5,8	
Aug	-0,3	-16,8	5,5	6,1	2,2	-0,5	
Sep	3,9	-12,7	2,3	8,0	-2,2	-3,8	
Oct	-4,1	-10,3	1,8	2,4	3,3	2,1	
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	103,3	106,3	108,9
Feb	114,6	95,3	96,7	102,7	106,9	104,5	106,1
Mar	109,4	94,3	100,6	106,6	104,1	103,1	104,1
Apr	121,1	92,9	100,7	101,1	103,3	110,8	
May	114,1	93,4	100,0	100,7	106,2	108,5	
Jun	114,1	93,3	101,8	103,2	104,1	104,9	
Jul	113,3	96,1	102,8	96,8	103,6	110,0	
Aug	112,1	93,3	98,4	104,2	106,4	105,6	
Sep	110,1	96,1	98,6	106,3	104,6	100,5	
Oct	108,7	98,0	100,0	102,4	106,1	108,2	
Nov	102,2	97,6	100,5	103,8	107,6	107,7	
Dec	97,0	100,8	101,2	103,9	105,2	108,3	



**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		
			March 2013	1/ February 2014	1/ March 2014	March 2013	February 2014	March 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>108,0</b>	<b>102,9</b>	<b>98,4</b>	<b>101,2</b>	<b>106,1</b>	<b>108,7</b>	<b>105,0</b>
-Meat, fish, fruit, etc.	5,2	109,5	109,9	104,5	112,1	104,0	113,7	106,4
-Dairy products	2,3	106,0	108,4	96,3	102,3	108,6	103,2	102,5
-Grain mill products	2,8	107,5	106,2	97,0	104,7	105,9	107,0	104,9
-Other food products	7,1	105,0	90,8	86,5	91,6	104,5	107,6	105,6
-Beverages	6,4	111,0	107,2	107,9	101,3	109,0	108,5	104,1
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>95,2</b>	<b>95,4</b>	<b>98,6</b>	<b>95,0</b>	<b>92,5</b>	<b>95,1</b>	<b>92,6</b>
-Textiles	0,8	82,8	81,6	89,7	80,4	78,8	78,1	78,6
-Other textile products	0,4	95,1	101,7	99,2	98,8	96,8	93,5	94,0
-Knitted, crocheted articles	0,1	65,9	73,3	67,8	65,9	62,5	58,9	56,5
-Wearing apparel	1,0	100,9	103,1	100,5	102,2	101,0	103,5	100,3
-Leather and leather products	0,2	120,3	107,5	125,2	134,7	103,7	117,3	130,3
-Footwear	0,4	101,5	98,0	105,4	92,2	96,6	107,9	91,3
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>103,6</b>	<b>96,4</b>	<b>97,0</b>	<b>105,8</b>	<b>93,6</b>	<b>100,8</b>	<b>102,9</b>
-Sawmilling and planing of wood	0,8	108,4	103,6	114,3	122,7	99,4	115,5	118,5
-Products of wood	1,8	98,7	99,3	96,0	98,5	97,5	102,4	96,9
-Paper and paper products	3,3	100,0	95,4	95,0	113,2	91,9	101,9	109,2
-Publishing	1,4	116,5	102,8	96,4	109,4	100,9	100,6	107,8
-Printing, recorded media	2,2	102,6	88,4	94,9	92,0	86,1	92,3	89,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>108,6</b>	<b>108,7</b>	<b>105,3</b>	<b>106,0</b>	<b>107,0</b>	<b>110,1</b>	<b>104,6</b>
-Coke, petroleum products and nuclear fuel	6,3	101,9	101,1	95,2	95,6	97,7	106,1	92,2
-Basic chemicals	4,8	108,7	105,4	107,1	112,1	108,6	114,5	115,3
-Other chemical products	7,1	114,5	117,5	110,0	110,2	115,3	110,7	109,0
-Rubber products	1,2	113,0	117,1	123,5	126,6	105,0	113,6	114,1
-Plastic products	3,1	107,4	106,4	105,7	100,3	105,4	108,5	99,8
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>105,5</b>	<b>101,0</b>	<b>95,5</b>	<b>96,1</b>	<b>104,4</b>	<b>103,8</b>	<b>99,7</b>
-Glass and glass products	0,9	105,3	95,1	99,1	80,8	106,9	102,6	90,8
-Non-metallic mineral products	3,5	105,6	102,5	94,6	100,0	103,7	104,1	102,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>105,3</b>	<b>104,5</b>	<b>101,2</b>	<b>109,3</b>	<b>98,2</b>	<b>102,2</b>	<b>102,8</b>
-Basic iron and steel products	4,7	94,8	80,5	91,3	93,2	75,8	91,4	87,8
-Non-ferrous metal products	3,5	108,4	113,7	103,9	111,8	109,9	108,0	108,3
-Structural metal products	2,2	88,8	84,9	90,5	87,4	82,7	84,0	85,4
-Other fabricated metal products	3,9	119,5	115,4	123,2	124,3	111,7	120,5	120,8
-General purpose machinery	2,4	100,4	103,8	87,4	93,9	101,1	93,4	91,6
-Special purpose machinery	3,0	114,4	129,5	100,3	135,1	108,6	105,9	113,5
-Household appliances	0,7	113,6	117,9	118,1	133,2	110,3	117,9	124,9
<b>Electrical machinery</b>	<b>2,4</b>	<b>104,8</b>	<b>116,7</b>	<b>104,2</b>	<b>117,4</b>	<b>102,8</b>	<b>105,1</b>	<b>104,3</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>127,1</b>	<b>117,7</b>	<b>120,0</b>	<b>139,8</b>	<b>120,8</b>	<b>111,5</b>	<b>145,1</b>
-Radio, television and communication apparatus	0,9	141,2	119,4	132,1	153,4	127,6	114,8	165,9
-Professional equipment	0,5	105,2	115,1	101,2	118,7	110,3	106,3	113,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>109,4</b>	<b>115,8</b>	<b>112,5</b>	<b>110,9</b>	<b>111,5</b>	<b>111,8</b>	<b>107,3</b>
-Motor vehicles	3,9	124,6	136,4	132,5	120,2	131,1	129,6	116,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	103,5	101,6	103,2	100,7	102,7	101,4
-Parts and accessories	3,0	94,8	97,6	97,2	101,3	95,2	95,4	99,2
-Other transport equipment	1,2	96,8	101,1	91,5	108,7	94,6	99,8	101,9
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>94,8</b>	<b>92,4</b>	<b>104,0</b>	<b>96,1</b>	<b>93,0</b>	<b>98,1</b>	<b>96,5</b>
-Furniture	1,1	110,6	96,0	102,3	97,0	106,8	107,7	108,3
-Other manufacturing groups	3,0	89,3	91,2	104,5	95,8	88,2	94,7	92,5
<b>Total</b>	<b>100,0</b>	<b>106,5</b>	<b>104,8</b>	<b>102,2</b>	<b>105,5</b>	<b>103,1</b>	<b>106,1</b>	<b>104,1</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		
			March 2013	1/ March 2014	% change between March 2013 and March 2014	February 2014	March 2014	% change between February and March 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>108,0</b>	<b>102,9</b>	<b>101,2</b>	<b>-1,7</b>	<b>108,7</b>	<b>105,0</b>	<b>-3,4</b>
-Meat, fish, fruit, etc.	5,2	109,5	109,9	112,1	2,0	113,7	106,4	-6,4
-Dairy products	2,3	106,0	108,4	102,3	-5,6	103,2	102,5	-0,7
-Grain mill products	2,8	107,5	106,2	104,7	-1,4	107,0	104,9	-2,0
-Other food products	7,1	105,0	90,8	91,6	0,9	107,6	105,6	-1,9
-Beverages	6,4	111,0	107,2	101,3	-5,5	108,5	104,1	-4,1
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>95,2</b>	<b>95,4</b>	<b>95,0</b>	<b>-0,4</b>	<b>95,1</b>	<b>92,6</b>	<b>-2,6</b>
-Textiles	0,8	82,8	81,6	80,4	-1,5	78,1	78,6	0,6
-Other textile products	0,4	95,1	101,7	98,8	-2,9	93,5	94,0	0,5
-Knitted, crocheted articles	0,1	65,9	73,3	65,9	-10,1	58,9	56,5	-4,1
-Wearing apparel	1,0	100,9	103,1	102,2	-0,9	103,5	100,3	-3,1
-Leather and leather products	0,2	120,3	107,5	134,7	25,3	117,3	130,3	11,1
-Footwear	0,4	101,5	98,0	92,2	-5,9	107,9	91,3	-15,4
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>103,6</b>	<b>96,4</b>	<b>105,8</b>	<b>9,8</b>	<b>100,8</b>	<b>102,9</b>	<b>2,1</b>
-Sawmilling and planing of wood	0,8	108,4	103,6	122,7	18,4	115,5	118,5	2,6
-Products of wood	1,8	98,7	99,3	98,5	-0,8	102,4	96,9	-5,4
-Paper and paper products	3,3	100,0	95,4	113,2	18,7	101,9	109,2	7,2
-Publishing	1,4	116,5	102,8	109,4	6,4	100,6	107,8	7,2
-Printing, recorded media	2,2	102,6	88,4	92,0	4,1	92,3	89,3	-3,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>108,6</b>	<b>108,7</b>	<b>106,0</b>	<b>-2,5</b>	<b>110,1</b>	<b>104,6</b>	<b>-5,0</b>
-Coke, petroleum products and nuclear fuel	6,3	101,9	101,1	95,6	-5,4	106,1	92,2	-13,1
-Basic chemicals	4,8	108,7	105,4	112,1	6,4	114,5	115,3	0,7
-Other chemical products	7,1	114,5	117,5	110,2	-6,2	110,7	109,0	-1,5
-Rubber products	1,2	113,0	117,1	126,6	8,1	113,6	114,1	0,4
-Plastic products	3,1	107,4	106,4	100,3	-5,7	108,5	99,8	-8,0
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>105,5</b>	<b>101,0</b>	<b>96,1</b>	<b>-4,9</b>	<b>103,8</b>	<b>99,7</b>	<b>-3,9</b>
-Glass and glass products	0,9	105,3	95,1	80,8	-15,0	102,6	90,8	-11,5
-Non-metallic mineral products	3,5	105,6	102,5	100,0	-2,4	104,1	102,0	-2,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>105,3</b>	<b>104,5</b>	<b>109,3</b>	<b>4,6</b>	<b>102,2</b>	<b>102,8</b>	<b>0,6</b>
-Basic iron and steel products	4,7	94,8	80,5	93,2	15,8	91,4	87,8	-3,9
-Non-ferrous metal products	3,5	108,4	113,7	111,8	-1,7	108,0	108,3	0,3
-Structural metal products	2,2	88,8	84,9	87,4	2,9	84,0	85,4	1,7
-Other fabricated metal products	3,9	119,5	115,4	124,3	7,7	120,5	120,8	0,2
-General purpose machinery	2,4	100,4	103,8	93,9	-9,5	93,4	91,6	-1,9
-Special purpose machinery	3,0	114,4	129,5	135,1	4,3	105,9	113,5	7,2
-Household appliances	0,7	113,6	117,9	133,2	13,0	117,9	124,9	5,9
<b>Electrical machinery</b>	<b>2,4</b>	<b>104,8</b>	<b>116,7</b>	<b>117,4</b>	<b>0,6</b>	<b>105,1</b>	<b>104,3</b>	<b>-0,8</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>127,1</b>	<b>117,7</b>	<b>139,8</b>	<b>18,8</b>	<b>111,5</b>	<b>145,1</b>	<b>30,1</b>
-Radio, television and communication apparatus	0,9	141,2	119,4	153,4	28,5	114,8	165,9	44,5
-Professional equipment	0,5	105,2	115,1	118,7	3,1	106,3	113,1	6,4
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>109,4</b>	<b>115,8</b>	<b>110,9</b>	<b>-4,2</b>	<b>111,8</b>	<b>107,3</b>	<b>-4,0</b>
-Motor vehicles	3,9	124,6	136,4	120,2	-11,9	129,6	116,2	-10,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	111,2	103,5	103,2	-0,3	102,7	101,4	-1,3
-Parts and accessories	3,0	94,8	97,6	101,3	3,8	95,4	99,2	4,0
-Other transport equipment	1,2	96,8	101,1	108,7	7,5	99,8	101,9	2,1
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>94,8</b>	<b>92,4</b>	<b>96,1</b>	<b>4,0</b>	<b>98,1</b>	<b>96,5</b>	<b>-1,6</b>
-Furniture	1,1	110,6	96,0	97,0	1,0	107,7	108,3	0,6
-Other manufacturing groups	3,0	89,3	91,2	95,8	5,0	94,7	92,5	-2,3
<b>Total</b>	<b>100,0</b>	<b>106,5</b>	<b>104,8</b>	<b>105,5</b>	<b>0,7</b>	<b>106,1</b>	<b>104,1</b>	<b>-1,9</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	93 280 502	87 916 275	88 548 858	94 246 456	105 443 384	114 667 597	1/ 128 289 950
Feb	110 769 560	99 565 792	100 040 055	109 522 908	123 677 978	129 430 936	1/ 143 663 565
Mar	117 621 056	107 737 720	113 278 092	123 964 153	130 984 336	135 367 021	1/ 148 507 836
Apr	119 609 521	92 230 272	99 980 962	106 169 292	115 493 885	131 245 797	
May	122 938 629	98 715 959	107 436 033	115 621 248	128 068 083	138 886 360	
Jun	127 601 209	100 377 623	111 752 400	120 091 539	128 588 051	136 903 333	
Jul	131 369 593	102 048 423	110 963 260	110 987 187	125 462 845	143 961 443	
Aug	129 126 848	103 007 029	108 663 903	122 688 235	132 094 313	141 465 771	
Sep	128 633 004	107 188 812	111 184 472	130 818 755	129 532 600	137 779 801	
Oct	135 163 841	112 486 658	119 561 318	131 429 847	141 820 125	153 497 418	
Nov	125 995 637	114 583 579	124 219 561	136 700 911	150 484 487	159 357 328	
Dec	98 974 837	97 356 722	102 518 765	115 525 999	121 426 485	138 000 892	
Year	<b>1 441 084 237</b>	<b>1 223 214 864</b>	<b>1 298 147 679</b>	<b>1 417 766 530</b>	<b>1 533 076 572</b>	<b>1 660 563 697</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	12,0	-5,8	0,7	6,4	11,9	8,7	11,9
Feb	16,1	-10,1	0,5	9,5	12,9	4,7	11,0
Mar	14,5	-8,4	5,1	9,4	5,7	3,3	9,7
Apr	28,8	-22,9	8,4	6,2	8,8	13,6	
May	18,0	-19,7	8,8	7,6	10,8	8,4	
Jun	26,1	-21,3	11,3	7,5	7,1	6,5	
Jul	29,0	-22,3	8,7	0,0	13,0	14,7	
Aug	19,9	-20,2	5,5	12,9	7,7	7,1	
Sep	24,9	-16,7	3,7	17,7	-1,0	6,4	
Oct	16,2	-16,8	6,3	9,9	7,9	8,2	
Nov	5,9	-9,1	8,4	10,0	10,1	5,9	
Dec	4,7	-1,6	5,3	12,7	5,1	13,6	
Year	<b>17,9</b>	<b>-15,1</b>	<b>6,1</b>	<b>9,2</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	111 028 181	105 207 882	105 618 599	111 869 214	123 549 205	133 856 652	149 404 752
Feb	116 298 013	104 208 643	104 166 191	113 664 075	127 987 569	133 255 257	147 794 322
Mar	113 813 257	103 734 122	108 643 087	119 259 414	126 372 316	131 064 347	144 044 740
Apr	128 203 817	99 119 575	107 529 791	113 875 681	123 889 852	140 726 526	
May	122 294 539	99 009 091	107 505 165	115 268 827	127 751 534	138 470 663	
Jun	124 690 788	98 615 878	109 771 982	117 959 616	126 588 958	134 905 706	
Jul	128 325 424	100 539 864	109 599 237	109 923 743	124 598 487	143 111 633	
Aug	124 931 096	100 305 725	106 392 456	120 343 526	129 720 625	138 853 468	
Sep	122 242 663	102 169 831	106 255 979	125 737 698	125 168 296	133 511 887	
Oct	122 839 470	102 464 178	109 283 722	120 718 366	130 740 425	141 725 764	
Nov	113 270 345	102 776 211	110 976 270	122 015 071	134 521 884	142 465 144	
Dec	109 238 508	106 647 068	111 962 754	125 771 425	131 197 769	149 158 575	

**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		
		March 2013	1/ February 2014	1/ March 2014	March 2013	February 2014	March 2014
<b>Food and beverages</b>	<b>350 792 551</b>	<b>27 554 970</b>	<b>29 057 646</b>	<b>29 418 718</b>	<b>28 099 446</b>	<b>30 917 175</b>	<b>30 116 878</b>
-Meat, fish, fruit, etc.	88 138 403	7 113 735	7 149 205	7 848 646	6 949 181	7 957 961	7 696 998
-Dairy products	30 206 448	2 592 977	2 402 036	2 607 101	2 507 100	2 537 205	2 525 999
-Grain mill products	60 530 218	4 991 804	4 865 972	5 352 759	4 950 804	5 358 739	5 321 557
-Other food products	75 018 987	5 352 080	6 452 348	5 900 485	5 921 705	7 021 697	6 543 870
-Beverages	96 898 495	7 504 374	8 188 085	7 709 727	7 770 657	8 041 573	8 028 456
<b>Textiles, clothing, leather and footwear</b>	<b>43 395 079</b>	<b>3 626 012</b>	<b>3 735 796</b>	<b>3 943 037</b>	<b>3 467 474</b>	<b>3 760 215</b>	<b>3 775 099</b>
-Textiles	5 746 856	492 479	544 162	544 194	453 659	504 919	504 737
-Other textile products	10 528 612	934 711	939 413	928 098	893 582	913 467	887 402
-Knitted, crocheted articles	1 750 286	155 056	146 501	161 557	132 800	136 839	139 044
-Wearing apparel	15 200 804	1 269 261	1 258 988	1 382 138	1 250 907	1 337 142	1 366 813
-Leather and leather products	6 350 030	467 171	575 060	622 681	429 607	564 166	572 820
-Footwear	3 818 491	307 334	271 672	304 369	306 918	303 681	304 281
<b>Wood and wood products, paper, publishing and printing</b>	<b>123 669 024</b>	<b>9 685 535</b>	<b>9 961 111</b>	<b>11 066 158</b>	<b>9 415 481</b>	<b>10 413 193</b>	<b>10 769 862</b>
-Sawmilling and planing of wood	9 116 235	713 492	784 029	899 301	680 494	809 118	858 682
-Products of wood	16 089 689	1 305 183	1 330 663	1 342 787	1 282 286	1 405 198	1 320 916
-Paper and paper products	56 669 102	4 614 277	4 683 418	5 419 735	4 450 435	5 001 191	5 240 103
-Publishing	19 276 283	1 412 591	1 388 291	1 547 150	1 417 488	1 447 743	1 561 971
-Printing, recorded media	22 517 715	1 639 992	1 774 710	1 857 185	1 584 779	1 749 944	1 788 190
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>420 195 429</b>	<b>33 088 823</b>	<b>35 363 534</b>	<b>36 062 314</b>	<b>32 633 511</b>	<b>38 113 354</b>	<b>35 584 915</b>
-Coke, petroleum products and nuclear fuel	180 117 559	13 668 386	14 645 389	15 232 286	13 577 644	16 266 762	15 080 907
-Basic chemicals	85 217 409	6 551 441	8 011 029	7 450 304	6 614 585	8 730 577	7 560 892
-Other chemical products	89 191 428	7 547 992	6 915 154	7 612 714	7 308 860	7 235 746	7 388 931
-Rubber products	15 681 997	1 349 985	1 485 814	1 645 580	1 157 961	1 417 611	1 413 509
-Plastic products	49 987 036	3 971 019	4 306 148	4 121 430	3 974 461	4 462 659	4 140 676
<b>Glass and non-metallic mineral products</b>	<b>51 552 109</b>	<b>4 171 536</b>	<b>4 132 991</b>	<b>4 020 804</b>	<b>4 170 731</b>	<b>4 301 900</b>	<b>4 025 931</b>
-Glass and glass products	8 991 034	643 942	677 533	571 863	748 819	706 592	664 477
-Non-metallic mineral products	42 561 075	3 527 594	3 455 458	3 448 941	3 421 912	3 595 308	3 361 453
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>358 886 085</b>	<b>30 209 775</b>	<b>31 760 243</b>	<b>33 506 769</b>	<b>28 138 435</b>	<b>31 504 311</b>	<b>31 320 251</b>
-Basic iron and steel products	103 491 851	8 784 977	9 549 848	9 808 085	8 189 497	9 020 275	9 173 492
-Non-ferrous metal products	72 703 638	5 786 003	6 706 719	6 708 272	5 702 952	6 874 602	6 664 418
-Structural metal products	31 067 330	2 543 016	2 755 273	2 699 036	2 317 902	2 564 166	2 460 092
-Other fabricated metal products	61 647 526	5 048 754	5 426 919	5 415 784	4 835 896	5 386 491	5 223 808
-General purpose machinery	32 921 383	2 785 205	2 559 315	2 827 880	2 726 567	2 782 049	2 770 491
-Special purpose machinery	45 845 173	4 291 663	3 770 898	4 894 676	3 496 647	3 888 951	3 998 208
-Household appliances	11 209 184	970 157	991 271	1 153 036	868 972	987 776	1 029 741
<b>Electrical machinery</b>	<b>46 753 406</b>	<b>4 141 343</b>	<b>4 432 641</b>	<b>4 380 507</b>	<b>3 683 524</b>	<b>4 282 699</b>	<b>3 915 754</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>18 881 967</b>	<b>1 434 369</b>	<b>1 611 189</b>	<b>1 820 016</b>	<b>1 438 614</b>	<b>1 569 288</b>	<b>1 848 817</b>
-Radio, television and communication apparatus	9 539 664	637 531	845 957	937 270	679 532	766 773	1 007 452
-Professional equipment	9 342 303	796 838	765 232	882 746	759 082	802 516	841 365
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>192 473 218</b>	<b>17 164 402</b>	<b>18 850 973</b>	<b>19 584 850</b>	<b>15 732 829</b>	<b>18 275 734</b>	<b>18 037 232</b>
-Motor vehicles	105 830 876	9 776 162	10 941 710	11 298 958	8 794 995	10 413 598	10 234 743
-Bodies for motor vehicles, trailers and semi-trailers	7 822 319	567 853	609 848	659 532	551 820	619 616	642 926
-Parts and accessories	59 922 039	5 195 055	5 728 804	5 736 465	4 864 899	5 535 810	5 391 787
-Other transport equipment	18 897 984	1 625 332	1 570 611	1 889 895	1 521 115	1 706 710	1 767 775
<b>Furniture and other manufacturing division</b>	<b>53 964 829</b>	<b>4 290 256</b>	<b>4 757 441</b>	<b>4 704 663</b>	<b>4 284 301</b>	<b>4 656 454</b>	<b>4 650 001</b>
-Furniture	13 442 912	946 159	1 049 583	1 003 870	1 049 072	1 118 326	1 116 711
-Other manufacturing groups	40 521 917	3 344 097	3 707 858	3 700 793	3 235 229	3 538 128	3 533 289
<b>Total</b>	<b>1 660 563 697</b>	<b>135 367 021</b>	<b>143 663 565</b>	<b>148 507 836</b>	<b>131 064 347</b>	<b>147 794 322</b>	<b>144 044 740</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		
		March 2013	1/ March 2014	% change between March 2013 and March 2014	February 2014	March 2014	% change between February and March 2014
<b>Food and beverages</b>	<b>350 792 551</b>	<b>27 554 970</b>	<b>29 418 718</b>	<b>6,8</b>	<b>30 917 175</b>	<b>30 116 878</b>	<b>-2,6</b>
-Meat, fish, fruit, etc.	88 138 403	7 113 735	7 848 646	10,3	7 957 961	7 696 998	-3,3
-Dairy products	30 206 448	2 592 977	2 607 101	0,5	2 537 205	2 525 999	-0,4
-Grain mill products	60 530 218	4 991 804	5 352 759	7,2	5 358 739	5 321 557	-0,7
-Other food products	75 018 987	5 352 080	5 900 485	10,2	7 021 697	6 543 870	-6,8
-Beverages	96 898 495	7 504 374	7 709 727	2,7	8 041 573	8 028 456	-0,2
<b>Textiles, clothing, leather and footwear</b>	<b>43 395 079</b>	<b>3 626 012</b>	<b>3 943 037</b>	<b>8,7</b>	<b>3 760 215</b>	<b>3 775 099</b>	<b>0,4</b>
-Textiles	5 746 856	492 479	544 194	10,5	504 919	504 737	-0,0
-Other textile products	10 528 612	934 711	928 098	-0,7	913 467	887 402	-2,9
-Knitted, crocheted articles	1 750 286	155 056	161 557	4,2	136 839	139 044	1,6
-Wearing apparel	15 200 804	1 269 261	1 382 138	8,9	1 337 142	1 366 813	2,2
-Leather and leather products	6 350 030	467 171	622 681	33,3	564 166	572 820	1,5
-Footwear	3 818 491	307 334	304 369	-1,0	303 681	304 281	0,2
<b>Wood and wood products, paper, publishing and printing</b>	<b>123 669 024</b>	<b>9 685 535</b>	<b>11 066 158</b>	<b>14,3</b>	<b>10 413 193</b>	<b>10 769 862</b>	<b>3,4</b>
-Sawmilling and planing of wood	9 116 235	713 492	899 301	26,0	809 118	858 682	6,1
-Products of wood	16 089 689	1 305 183	1 342 787	2,9	1 405 198	1 320 916	-6,0
-Paper and paper products	56 669 102	4 614 277	5 419 735	17,5	5 001 191	5 240 103	4,8
-Publishing	19 276 283	1 412 591	1 547 150	9,5	1 447 743	1 561 971	7,9
-Printing, recorded media	22 517 715	1 639 992	1 857 185	13,2	1 749 944	1 788 190	2,2
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>420 195 429</b>	<b>33 088 823</b>	<b>36 062 314</b>	<b>9,0</b>	<b>38 113 354</b>	<b>35 584 915</b>	<b>-6,6</b>
-Coke, petroleum products and nuclear fuel	180 117 559	13 668 386	15 232 286	11,4	16 266 762	15 080 907	-7,3
-Basic chemicals	85 217 409	6 551 441	7 450 304	13,7	8 730 577	7 560 892	-13,4
-Other chemical products	89 191 428	7 547 992	7 612 714	0,9	7 235 746	7 388 931	2,1
-Rubber products	15 681 997	1 349 985	1 645 580	21,9	1 417 611	1 413 509	-0,3
-Plastic products	49 987 036	3 971 019	4 121 430	3,8	4 462 659	4 140 676	-7,2
<b>Glass and non-metallic mineral products</b>	<b>51 552 109</b>	<b>4 171 536</b>	<b>4 020 804</b>	<b>-3,6</b>	<b>4 301 900</b>	<b>4 025 931</b>	<b>-6,4</b>
-Glass and glass products	8 991 034	643 942	571 863	-11,2	706 592	664 477	-6,0
-Non-metallic mineral products	42 561 075	3 527 594	3 448 941	-2,2	3 595 308	3 361 453	-6,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>358 886 085</b>	<b>30 209 775</b>	<b>33 506 769</b>	<b>10,9</b>	<b>31 504 311</b>	<b>31 320 251</b>	<b>-0,6</b>
-Basic iron and steel products	103 491 851	8 784 977	9 808 085	11,6	9 020 275	9 173 492	1,7
-Non-ferrous metal products	72 703 638	5 786 003	6 708 272	15,9	6 874 602	6 664 418	-3,1
-Structural metal products	31 067 330	2 543 016	2 699 036	6,1	2 564 166	2 460 092	-4,1
-Other fabricated metal products	61 647 526	5 048 754	5 415 784	7,3	5 386 491	5 223 808	-3,0
-General purpose machinery	32 921 383	2 785 205	2 827 880	1,5	2 782 049	2 770 491	-0,4
-Special purpose machinery	45 845 173	4 291 663	4 894 676	14,1	3 888 951	3 998 208	2,8
-Household appliances	11 209 184	970 157	1 153 036	18,9	987 776	1 029 741	4,2
<b>Electrical machinery</b>	<b>46 753 406</b>	<b>4 141 343</b>	<b>4 380 507</b>	<b>5,8</b>	<b>4 282 699</b>	<b>3 915 754</b>	<b>-8,6</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>18 881 967</b>	<b>1 434 369</b>	<b>1 820 016</b>	<b>26,9</b>	<b>1 569 288</b>	<b>1 848 817</b>	<b>17,8</b>
-Radio, television and communication apparatus	9 539 664	637 531	937 270	47,0	766 773	1 007 452	31,4
-Professional equipment	9 342 303	796 838	882 746	10,8	802 516	841 365	4,8
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>192 473 218</b>	<b>17 164 402</b>	<b>19 584 850</b>	<b>14,1</b>	<b>18 275 734</b>	<b>18 037 232</b>	<b>-1,3</b>
-Motor vehicles	105 830 876	9 776 162	11 298 958	15,6	10 413 598	10 234 743	-1,7
-Bodies for motor vehicles, trailers and semi-trailers	7 822 319	567 853	659 532	16,1	619 616	642 926	3,8
-Parts and accessories	59 922 039	5 195 055	5 736 465	10,4	5 535 810	5 391 787	-2,6
-Other transport equipment	18 897 984	1 625 332	1 889 895	16,3	1 706 710	1 767 775	3,6
<b>Furniture and other manufacturing division</b>	<b>53 964 829</b>	<b>4 290 256</b>	<b>4 704 663</b>	<b>9,7</b>	<b>4 656 454</b>	<b>4 650 001</b>	<b>-0,1</b>
-Furniture	13 442 912	946 159	1 003 870	6,1	1 118 326	1 116 711	-0,1
-Other manufacturing groups	40 521 917	3 344 097	3 700 793	10,7	3 538 128	3 533 289	-0,1
<b>Total</b>	<b>1 660 563 697</b>	<b>135 367 021</b>	<b>148 507 836</b>	<b>9,7</b>	<b>147 794 322</b>	<b>144 044 740</b>	<b>-2,5</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)		
		Jan. to Mar. 2013	Jan. to Mar. 2014	% change between Jan. to Mar. 2013 and Jan. to Mar. 2014	Jan. to Mar. 2013	Jan. to Mar. 2014	% change between Jan. to Mar. 2013 and Jan. to Mar. 2014
<b>Food and beverages</b>	<b>23,8</b>	<b>97,3</b>	<b>99,4</b>	<b>2,2</b>	<b>79 497 822</b>	<b>86 087 740</b>	<b>8,3</b>
-Meat, fish, fruit, etc.	5,2	97,9	105,4	7,7	18 993 047	21 783 031	14,7
-Dairy products	2,3	103,5	102,9	-0,6	7 221 592	7 624 722	5,6
-Grain mill products	2,8	100,0	101,2	1,2	13 947 430	15 201 367	9,0
-Other food products	7,1	84,0	87,2	3,8	16 289 782	18 071 926	10,9
-Beverages	6,4	108,2	106,0	-2,0	23 045 971	23 406 694	1,6
<b>Textiles, clothing, leather and footwear</b>	<b>2,9</b>	<b>87,7</b>	<b>88,7</b>	<b>1,1</b>	<b>9 578 997</b>	<b>10 503 769</b>	<b>9,7</b>
-Textiles	0,8	81,6	79,9	-2,1	1 349 617	1 512 665	12,1
-Other textile products	0,4	89,1	90,1	1,1	2 406 725	2 550 475	6,0
-Knitted, crocheted articles	0,1	65,7	58,9	-10,4	404 261	414 219	2,5
-Wearing apparel	1,0	91,7	91,8	0,1	3 249 495	3 530 967	8,7
-Leather and leather products	0,2	105,7	125,5	18,7	1 381 270	1 717 790	24,4
-Footwear	0,4	85,4	87,6	2,6	787 629	777 653	-1,3
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,5</b>	<b>97,0</b>	<b>96,8</b>	<b>-0,2</b>	<b>28 147 288</b>	<b>29 917 121</b>	<b>6,3</b>
-Sawmilling and planing of wood	0,8	97,9	110,5	12,9	1 975 431	2 351 091	19,0
-Products of wood	1,8	92,5	91,7	-0,9	3 649 898	3 780 673	3,6
-Paper and paper products	3,3	91,9	99,8	8,6	12 819 799	14 320 855	11,7
-Publishing	1,4	102,7	98,9	-3,7	4 114 990	4 252 389	3,3
-Printing, recorded media	2,2	104,1	90,1	-13,4	5 587 170	5 212 113	-6,7
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>103,5</b>	<b>104,7</b>	<b>1,2</b>	<b>95 019 772</b>	<b>106 993 416</b>	<b>12,6</b>
-Coke, petroleum products and nuclear fuel	6,3	96,1	100,2	4,3	40 576 730	46 529 831	14,7
-Basic chemicals	4,8	101,8	109,1	7,2	18 494 431	22 847 983	23,5
-Other chemical products	7,1	110,4	105,8	-4,2	20 719 174	21 090 068	1,8
-Rubber products	1,2	114,9	118,6	3,2	3 887 721	4 375 657	12,6
-Plastic products	3,1	101,6	99,4	-2,2	11 341 716	12 149 877	7,1
<b>Glass and non-metallic mineral products</b>	<b>4,4</b>	<b>93,7</b>	<b>91,7</b>	<b>-2,1</b>	<b>11 214 310</b>	<b>11 524 413</b>	<b>2,8</b>
-Glass and glass products	0,9	95,2	86,5	-9,1	1 916 655	1 844 424	-3,8
-Non-metallic mineral products	3,5	93,3	93,0	-0,3	9 297 655	9 679 989	4,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,4</b>	<b>97,4</b>	<b>100,0</b>	<b>2,7</b>	<b>82 406 834</b>	<b>92 456 970</b>	<b>12,2</b>
-Basic iron and steel products	4,7	83,0	92,9	11,9	25 289 077	28 903 658	14,3
-Non-ferrous metal products	3,5	106,3	107,4	1,0	15 710 174	19 171 920	22,0
-Structural metal products	2,2	85,5	83,3	-2,6	7 475 877	7 574 894	1,3
-Other fabricated metal products	3,9	108,1	113,5	5,0	13 803 607	14 884 706	7,8
-General purpose machinery	2,4	95,2	83,7	-12,1	7 424 083	7 407 163	-0,2
-Special purpose machinery	3,0	103,8	106,3	2,4	10 042 266	11 534 182	14,9
-Household appliances	0,7	110,4	120,7	9,3	2 661 750	2 980 447	12,0
<b>Electrical machinery</b>	<b>2,4</b>	<b>97,6</b>	<b>100,8</b>	<b>3,3</b>	<b>10 574 166</b>	<b>11 845 842</b>	<b>12,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,4</b>	<b>114,2</b>	<b>125,6</b>	<b>10,0</b>	<b>3 982 129</b>	<b>4 831 372</b>	<b>21,3</b>
-Radio, television and communication apparatus	0,9	124,9	141,8	13,5	1 947 975	2 562 465	31,5
-Professional equipment	0,5	97,8	100,4	2,7	2 034 154	2 268 907	11,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>109,0</b>	<b>107,7</b>	<b>-1,2</b>	<b>46 968 885</b>	<b>53 244 472</b>	<b>13,4</b>
-Motor vehicles	3,9	126,1	123,1	-2,4	26 207 604	29 973 152	14,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	92,8	93,7	1,0	1 558 304	1 716 336	10,1
-Parts and accessories	3,0	97,1	95,2	-2,0	14 830 354	16 592 097	11,9
-Other transport equipment	1,2	91,3	96,3	5,5	4 372 623	4 962 887	13,5
<b>Furniture and other manufacturing division</b>	<b>4,1</b>	<b>92,2</b>	<b>94,9</b>	<b>2,9</b>	<b>12 075 351</b>	<b>13 056 236</b>	<b>8,1</b>
-Furniture	1,1	88,8	90,4	1,8	2 641 302	2 790 480	5,6
-Other manufacturing groups	3,0	93,4	96,4	3,2	9 434 049	10 265 756	8,8
<b>Total</b>	<b>100,0</b>	<b>99,3</b>	<b>100,8</b>	<b>1,5</b>	<b>379 465 554</b>	<b>420 461 351</b>	<b>10,8</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 March 2014 was 88,0%. Improved collection rate for February 2014 was 93,1%.
- 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 2013 from a population then of 47 605 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.
  - *SA 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**

**25 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.

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

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

Class limits: Manufacturing (Rand)

Enterprise size	Lower limits	Upper limits
Very small	0	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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