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## SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

**Table A - Selected key figures regarding manufacturing production and sales for November 2006**

<b>Estimates</b>	<b>November 2006</b>	<b>% change between November 2005 and November 2006</b>	<b>% change between September to November 2005 and September to November 2006</b>	<b>% change between January to November 2005 and January to November 2006</b>
Physical volume of manufacturing production index (2000=100)	134,0	+5,4	+5,1	+4,8
Total value of sales of manufactured products (R million)	95 305	+18,4	+17,9	+13,0

<b>Seasonally adjusted estimates</b>	<b>November 2006</b>	<b>% change between October and November 2006</b>	<b>% change between June to August 2006 and September to November 2006</b>
Physical volume of manufacturing production index (2000=100)	120,5	-0,2	+0,3
Total value of sales of manufactured products (R million)	85 899	+0,4	+3,4

### Key findings regarding manufacturing production and sales for November 2006

#### Manufacturing production increases

*The estimated seasonally adjusted manufacturing production for the three months ended November 2006 increased by 0,3% compared with the previous three months. Higher production levels were reported by four of the ten manufacturing divisions. In addition, the estimated manufacturing production for the first eleven months of 2006 increased by 4,8% compared with the first eleven months of 2005. The production of the first eleven months of 2005 was 3,2% higher than that of 2004.*

The major contributors to the seasonally adjusted increase of 0,3% in total manufacturing production for the three months ended November 2006 compared with the previous three months was the petroleum, chemical products, rubber and plastic products division (contributing +0,5 of a percentage point), followed by the textiles, clothing, leather and footwear division and the glass and non-metallic mineral products division (each contributing +0,1 of a percentage point). However, these increases were partially counteracted by decreases reported by the food and beverages division, the basic iron and steel, non-ferrous metal products, metal products and machinery division, electrical machinery division and the motor vehicles, parts and accessories and other transport equipment division (each contributing -0,1 of a percentage point) (see Table B).

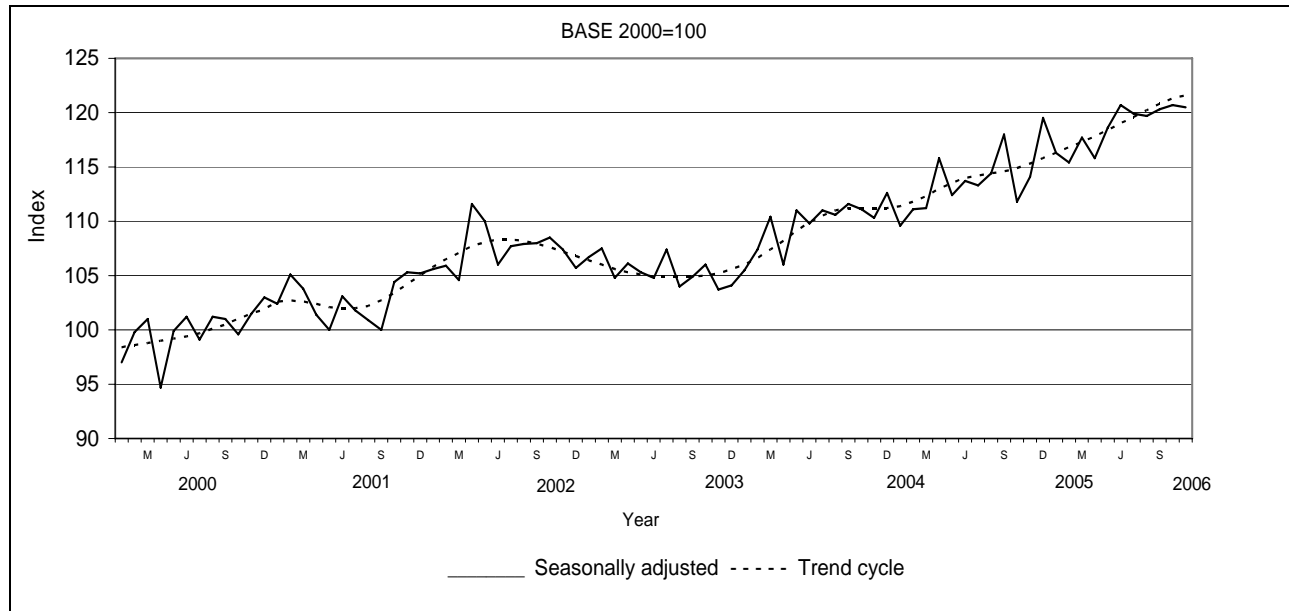
**Table B - Contribution of manufacturing divisions and major groups to the total of seasonally adjusted manufacturing production**  
(Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to the total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for June to August 2006	Average seasonally adjusted production index for September to November 2006	Quarterly percentage change of September to November 2006 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production
					1/
Food and beverages	16,4	120,0	119,3	-0,6	-0,1
Food and food products	12,1	115,2	115,6	+0,3	+0,0
Beverages	4,3	133,8	129,7	-3,1	-0,1
Textiles, clothing, leather and footwear	5,4	99,9	101,7	+1,8	+0,1
Textiles	2,4	101,4	102,2	+0,8	+0,0
Wearing apparel	2,3	103,2	105,8	+2,5	+0,1
Leather and leather products	0,3	92,2	99,2	+7,6	+0,0
Footwear	0,4	81,2	81,1	-0,1	-0,0
Wood, paper, publish and printing	11,0	117,6	117,6	0,0	0,0
Wood and products of wood	1,7	130,3	126,7	-2,8	-0,0
Paper and paper products	4,8	113,3	115,7	+2,1	+0,1
Publishing and printing	4,6	117,2	116,1	-0,9	-0,0
Petroleum, chemical products, rubber and plastic products	22,5	114,4	117,1	+2,4	+0,5
Coke, petroleum products and nuclear fuel	9,1	88,0	93,9	+6,7	+0,6
Basic chemicals	4,0	128,2	129,1	+0,7	+0,0
Other chemical products	5,4	131,5	132,4	+0,7	+0,0
Rubber products	1,1	92,3	90,8	-1,6	-0,0
Plastic products	3,0	154,2	154,8	+0,4	+0,0
Glass and non-metallic mineral products	3,9	131,6	135,9	+3,3	+0,1
Glass and glass products	1,1	154,6	165,6	+7,1	+0,1
Non-metallic mineral products	2,9	123,0	124,9	+1,5	+0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	122,8	122,1	-0,6	-0,1
Basic iron and steel products	5,5	118,4	115,1	-2,8	-0,2
Basic precious, non-ferrous metal products	4,7	117,4	116,5	-0,8	-0,0
Fabricated metal products	5,5	126,4	127,7	+1,0	+0,1
Machinery and equipment	6,7	127,3	127,2	-0,1	-0,0
Electrical machinery	2,7	108,5	105,5	-2,8	-0,1
Radio, television and communication apparatus and professional equipment	1,3	112,6	112,9	+0,3	+0,0
Radio, television and communication apparatus	0,7	105,4	101,0	-4,2	-0,0
Professional equipment	0,6	119,9	125,0	+4,3	+0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	147,3	145,8	-1,0	-0,1
Motor vehicles, trailers, parts and accessories	7,6	153,2	152,0	-0,8	-0,1
Other transport equipment	1,0	101,8	98,2	-3,5	-0,0
Furniture and other manufacturing division	5,8	114,6	114,5	-0,1	-0,0
Furniture	1,6	142,7	149,7	+4,9	+0,1
Other manufacturing groups	4,2	104,0	101,3	-2,6	-0,1
<b>Total</b>	<b>100,0</b>	<b>120,1</b>	<b>120,5</b>	<b>+0,3</b>	<b>+0,3</b>

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing group or division with its corresponding weight in the base year, divided by 100.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2000 and November 2006. The trend series has been rising since mid-2003 to September 2004, moving sideways up to December 2004 and resuming its upward trend in 2005 and 2006.

**Figure 1 – Index of the physical volume of manufacturing production**



**Sales of manufactured products increase**

***The estimated total value of sales of manufactured products at current prices for the three months ended November 2006 increased by 3,4% (+R8 496 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by nine of the ten manufacturing divisions during this period (see Table C).***

The seasonally adjusted increase of 3,4% in the total value of sales of manufactured products at current prices for the three months ended November 2006 compared with the previous three months, was mainly due to increases reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (+6,4% or +R3 364 million), the petroleum, chemical products, rubber and plastic products division (+4,0% or +R1 985 million), the motor vehicles, parts and accessories and other transport equipment division (+3,0% or +R1 203 million) and the food and beverages division (+2,6% or +R1 085 million) (see Table C).

**Table C - Contribution of the manufacturing divisions and major groups to the total value of seasonally adjusted sales of manufactured products at current prices**

Manufacturing divisions and major groups	Seasonally adjusted sales June to August 2006	Seasonally adjusted sales September to November 2006	Percentage change between June to August 2006 and September to November 2006	Difference in seasonally adjusted sales of manufacturing divisions between June to August 2006 and September to November 2006
	R'000	R'000		R'000
Food and beverages	41 940 898	43 025 706	+2,6	1 084 808
Food and food products	30 564 299	31 579 973	+3,3	1 015 674
Beverages	11 376 599	11 445 732	+0,6	69 133
Textiles, clothing, leather and footwear	9 844 256	9 876 738	+0,3	32 482
Textiles	4 322 109	4 286 293	-0,8	-35 816
Wearing apparel	3 858 520	3 885 504	+0,7	26 984
Leather and leather products	1 030 903	1 087 204	+5,5	56 301
Footwear	632 726	617 736	-2,4	-14 990
Wood,paper,publish and printing	21 892 784	21 946 882	+0,2	54 098
Wood and products of wood	4 795 760	4 684 163	-2,3	-111 597
Paper and paper products	9 645 100	9 765 906	+1,3	120 806
Publishing and printing	7 451 925	7 496 815	+0,6	44 890
Petroleum, chemical products, rubber and plastic products	49 975 105	51 959 713	+4,0	1 984 608
Coke, petroleum products and nuclear fuel	18 163 255	19 579 230	+7,8	1 415 975
Basic chemicals	10 324 836	10 406 697	+0,8	81 861
Other chemical products	12 485 558	12 755 216	+2,2	269 658
Rubber products	2 317 622	2 342 095	+1,1	24 473
Plastic products	6 683 834	6 876 475	+2,9	192 641
Glass and non-metallic mineral products	7 290 544	7 558 977	+3,7	268 433
Glass and glass products	1 344 994	1 519 615	+13,0	174 621
Non-metallic mineral products	5 945 549	6 039 361	+1,6	93 812
Basic iron and steel, non-ferrous metal products, metal products and machinery	52 773 121	56 137 330	+6,4	3 364 209
Basic iron and steel products	20 099 535	22 673 677	+12,8	2 574 142
Basic precious, non-ferrous metal products	7 955 005	8 052 140	+1,2	97 135
Fabricated metal products	12 102 710	12 525 189	+3,5	422 479
Machinery and equipment	12 615 873	12 886 324	+2,1	270 451
Electrical machinery	7 089 970	7 572 680	+6,8	482 710
Radio, television and communication apparatus and professional equipment	3 117 328	3 142 835	+0,8	25 507
Radio, television and communication apparatus	1 735 876	1 748 510	+0,7	12 634
Professional equipment	1 381 452	1 394 326	+0,9	12 874
Motor vehicles, parts and accessories and other transport equipment	40 366 712	41 569 783	+3,0	1 203 071
Motor vehicles, trailers, parts and accessories	37 680 204	38 878 487	+3,2	1 198 283
Other transport equipment	2 686 509	2 691 297	+0,2	4 788
Furniture and other manufacturing division	12 137 333	12 133 254	-0,0	-4 079
Furniture	2 813 448	3 050 147	+8,4	236 699
Other manufacturing groups	9 323 885	9 083 109	-2,6	-240 776
<b>Total</b>	<b>246 428 053</b>	<b>254 923 898</b>	<b>+3,4</b>	<b>8 495 845</b>

**The value of sales of manufactured products at current prices for the three months ended November 2006 was 17,9% (R42 025 million) higher than for the three months ended November 2005 (see Table D).**

The major contributors to the increase of 17,9% in sales of manufactured products at current prices for the three months ended November 2006 compared with the three months ended November 2005 were the basic iron and steel, non-ferrous metal products, metal products and machinery (+5,7 percentage points or +R13 359 million), the petroleum, chemical products, rubber and plastic products (+4,1 percentage points or +R9 512 million), the motor vehicles, parts and accessories and other transport equipment (+3,2 percentage points or +R7 378 million), the food and beverages (+1,9 percentage points or +R4 574 million), the wood and wood products, paper, publishing and printing (+1,0 percentage point or +R2 328 million), the electrical machinery (+0,9 of a percentage point or +R2 015 million) and the furniture and 'other manufacturing' divisions (+0,7 of a percentage point or +R1 646 million) divisions (see Table D).

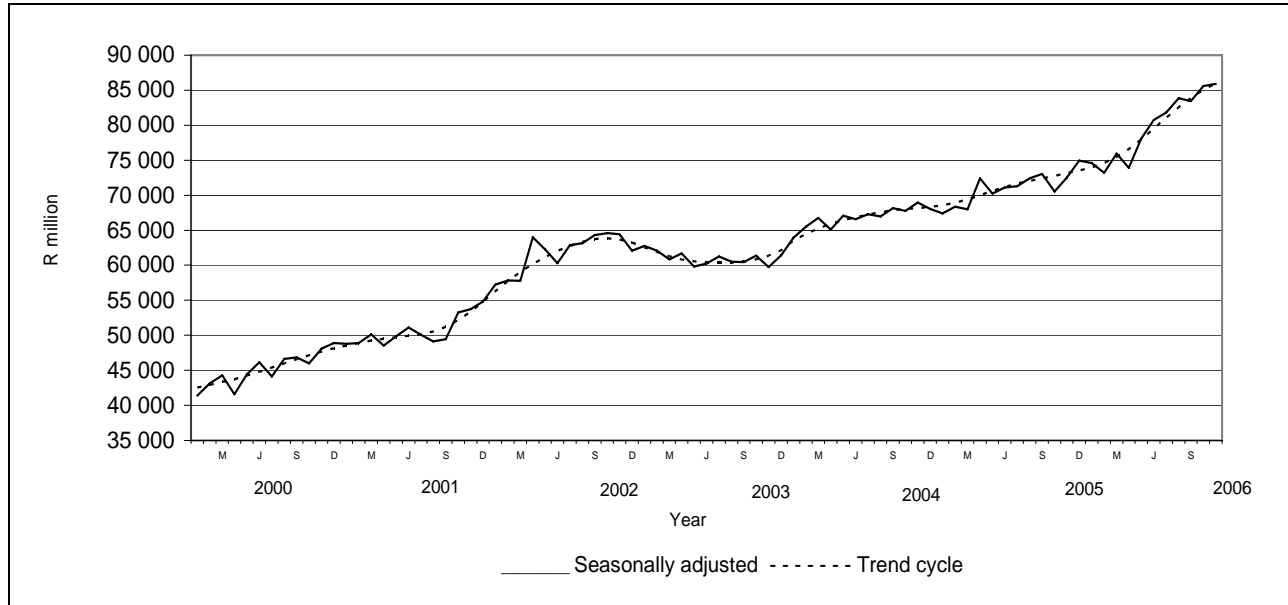
**Table D - Contribution of the manufacturing divisions and major groups to total value of sales of manufactured products at current prices**

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products September to November 2005	Percentage change between September to November 2005 and September to November 2006	Contribution (percentage points) to the change in percentage value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between September to November 2005 and September to November 2006
				R'000
Food and beverages	17,4	+11,2	+1,9	4 574 172
Food and food products	12,7	+11,9	+1,5	3 538 477
Beverages	4,7	+9,4	+0,4	1 035 695
Textiles, clothing, leather and footwear	4,6	+3,8	+0,2	413 854
Textiles	2,0	+2,8	+0,1	129 607
Wearing apparel	1,8	+5,8	+0,1	246 943
Leather and leather products	0,5	+1,1	+0,0	12 254
Footwear	0,3	+3,4	+0,0	25 050
Wood, paper, publish and printing	9,3	+10,7	+1,0	2 328 276
Wood and products of wood	2,0	+11,5	+0,2	538 456
Paper and paper products	4,0	+11,1	+0,4	1 047 386
Publishing and printing	3,2	+9,8	+0,3	742 434
Petroleum, chemical products, rubber and plastic products	19,9	+20,4	+4,1	9 511 699
Coke, petroleum products and nuclear fuel	6,2	+37,4	+2,3	5 425 000
Basic chemicals	4,3	+18,3	+0,8	1 841 696
Other chemical products	5,5	+8,3	+0,5	1 082 676
Rubber products	1,0	+5,9	+0,1	138 452
Plastic products	2,9	+15,3	+0,4	1 023 875
Glass and non-metallic mineral products	3,3	+10,9	+0,4	842 151
Glass and glass products	0,6	+22,5	+0,1	335 537
Non-metallic mineral products	2,7	+8,1	+0,2	506 614
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,9	+28,6	+5,7	13 359 374
Basic iron and steel products	6,4	+58,4	+3,7	8 707 614
Basic precious, non-ferrous metal products	2,8	+31,4	+0,9	2 050 781
Fabricated metal products	5,1	+15,3	+0,8	1 821 599
Machinery and equipment	5,7	+5,9	+0,3	779 380
Electrical machinery	2,7	+32,4	+0,9	2 015 476
Radio, television and communication apparatus and professional equipment	1,5	-1,3	-0,0	-44 839
Radio, television and communication apparatus	0,8	+6,0	-0,0	108 200
Professional equipment	0,7	-9,4	-0,1	-153 039
Motor vehicles, parts and accessories and other transport equipment	16,5	+19,1	+3,2	7 378 493
Motor vehicles, trailers, parts and accessories	15,5	+18,6	+2,9	6 784 830
Other transport equipment	1,0	+26,3	+0,3	593 663
Furniture and other manufacturing division	5,1	+13,9	+0,7	1 646 190
Furniture	1,3	+18,1	+0,2	565 985
Other manufacturing groups	3,7	+12,3	+0,5	1 080 205
<b>Total</b>	<b>100,0</b>	<b>+17,9</b>	<b>+17,9</b>	<b>42 024 846</b>

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing major group or division with the percentage contribution of the same major group or division during corresponding period in 2005, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2000 and November 2006. After peaking in September 2002, the series declined until May 2003, before resuming its upward movement.

**Figure 2 - Total value of sales of manufactured products at current prices**



**P J Lehohla**  
**Statistician-General**



Detailed results: Tables

**Table 1 - Indices of the physical volume of manufacturing production: Total**

**Base 2000 = 100**

Month	2000	2001	2002	2003	2004	2005	2006
Actual indices							
J	85,2	91,1	93,7	94,4	93,1	96,2	101,7
F	98,7	102,7	103,6	104,3	103,6	106,3	110,1
M	104,8	106,8	108,2	108,4	114,1	114,9	121,4
A	89,0	95,3	104,4	100,0	100,3	109,2	109,2
M	99,9	100,2	110,3	105,7	111,6	112,8	118,9
J	102,1	104,0	106,7	105,3	110,5	114,3	* 121,4
J	100,1	102,8	108,8	108,7	113,0	115,5	* 122,2
A	102,5	102,3	109,8	106,3	113,7	118,2	123,8
S	104,8	103,1	111,4	108,7	116,0	122,9	1/ 125,6
O	109,8	114,9	119,6	116,7	122,5	123,2	1/ 132,7
N	113,6	117,6	119,8	114,9	122,3	127,1	1/ 134,0
D	89,5	92,5	92,7	91,5	99,0	104,6	
<b>Year</b>	<b>100,0</b>	<b>102,8</b>	<b>107,4</b>	<b>105,4</b>	<b>110,0</b>	<b>113,8</b>	
Seasonally adjusted indices							
J	97,0	102,6	105,8	107,1	105,5	109,6	116,3
F	99,8	105,1	106,0	107,7	107,4	111,1	115,4
M	100,9	103,8	104,6	104,9	110,5	111,2	117,7
A	94,8	101,5	111,8	106,5	106,1	115,8	115,8
M	100,0	100,0	110,0	105,3	111,1	112,4	118,6
J	101,2	103,1	106,0	104,7	109,9	113,7	120,7
J	99,1	101,6	107,4	107,1	111,0	113,3	119,9
A	101,2	100,8	107,7	103,8	110,5	114,4	119,7
S	101,0	99,9	108,0	105,0	111,7	118,0	120,3
O	99,6	104,4	108,7	106,2	111,2	111,8	120,7
N	101,5	105,3	107,4	103,5	109,8	114,1	120,5
D	102,9	105,0	105,4	103,4	112,6	119,5	

1/ Preliminary.

\* Revised.

**Table 2 - Percentage change in the index of the physical volume of manufacturing production: Total**

Month	2000	2001	2002	2003	2004	2005	2006
J	.	+6,9	+2,9	+0,7	-1,4	+3,3	+5,7
F	.	+4,1	+0,9	+0,7	-0,7	+2,6	+3,6
M	.	+1,9	+1,3	+0,2	+5,3	+0,7	+5,7
A	.	+7,1	+9,5	-4,2	+0,3	+8,9	0,0
M	.	+0,3	+10,1	-4,2	+5,6	+1,1	+5,4
J	.	+1,9	+2,6	-1,3	+4,9	+3,4	+6,2
J	.	+2,7	+5,8	-0,1	+4,0	+2,2	+5,8
A	.	-0,2	+7,3	-3,2	+7,0	+4,0	+4,7
S	.	-1,6	+8,1	-2,4	+6,7	+5,9	+2,2
O	.	+4,6	+4,1	-2,4	+5,0	+0,6	+7,7
N	.	+3,5	+1,9	-4,1	+6,4	+3,9	+5,4
D	.	+3,4	+0,2	-1,3	+8,2	+5,7	
<b>Year</b>	.	<b>+2,8</b>	<b>+4,5</b>	<b>-1,9</b>	<b>+4,4</b>	<b>+3,5</b>	

The percentage change is the change in the index of the physical volume of manufacturing production of the relevant year compared with the index of physical volume of manufacturing production of the previous year expressed as a percentage.

**Table 3a - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups**

**Base 2000 = 100**

Manufacturing divisions and major groups	Weights	Year	Indices			Seasonally adjusted indices			
			2005	November	1/	1/	November	October	November
				2005	2006		2005	2006	
Food and beverages	16,4	118,7	130,2	130,1	133,0	117,8	119,3	120,6	
Meat, fish, fruit etc.	2,6	127,7	135,2	124,6	128,3	129,3	122,8	122,8	
Dairy products	1,1	103,3	113,6	120,4	122,1	103,6	111,9	111,4	
Grain mill products	1,5	123,4	130,6	126,3	129,8	125,5	124,4	124,7	
Other food products	6,8	106,6	120,1	130,1	130,3	104,6	112,8	114,2	
Beverages	4,3	134,5	147,3	137,2	144,3	132,5	127,6	130,4	
Textiles, clothing, leather and footwear	5,4	97,9	111,8	116,4	118,1	96,1	101,3	102,1	
Textiles	1,2	81,3	83,0	89,9	93,3	75,8	82,4	85,5	
Other textile products	1,2	117,0	145,5	139,3	143,3	120,7	122,7	119,2	
Knitted, crocheted articles	0,3	77,4	80,4	90,6	99,1	73,9	82,7	91,8	
Wearing apparel	2,0	103,9	121,4	128,0	130,7	101,7	107,8	110,0	
Leather and leather products	0,3	100,0	98,9	109,6	102,4	94,0	100,8	97,6	
Footwear	0,4	79,4	90,7	100,5	89,8	79,2	81,8	78,8	
Wood and wood products, paper, publishing and printing	11,0	109,0	126,5	127,2	130,9	112,3	116,7	116,4	
Sawmilling and planing of wood	0,7	113,1	128,1	129,5	133,5	117,8	122,7	122,8	
Products of wood	1,0	124,6	149,5	147,5	151,7	125,6	130,6	127,7	
Paper and paper products	4,8	104,1	117,4	116,5	125,2	108,2	112,2	115,4	
Publishing	2,4	107,4	127,1	134,1	136,2	111,0	120,9	119,5	
Printing, recorded media	2,1	113,1	134,8	133,1	126,8	115,0	113,4	107,7	
Petroleum, chemical products, rubber and plastic products	22,5	113,3	116,8	127,2	128,7	107,6	117,9	118,4	
Coke, petroleum products, and nuclear fuel	9,1	103,1	86,8	94,6	93,1	87,7	95,4	94,2	
Basic chemicals	4,0	113,5	129,5	152,4	157,2	114,5	130,6	138,9	
Other chemical products	5,4	125,6	139,8	147,9	147,8	124,7	133,1	131,8	
Rubber products	1,1	94,3	99,5	94,5	94,7	90,9	90,2	87,3	
Plastic products	3,0	129,2	157,2	168,9	178,3	135,1	153,2	153,1	
Glass and non-metallic mineral products	3,9	122,9	144,9	150,8	159,1	126,0	134,8	138,1	
Glass and glass products	1,1	137,9	173,8	182,6	210,2	141,3	162,7	170,8	
Non-metallic mineral products	2,9	117,3	134,1	139,0	140,1	120,3	124,5	126,0	
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	125,8	133,7	130,9	114,8	124,7	119,4	
Basic iron and steel products	5,5	103,7	106,0	125,2	109,9	101,1	118,3	104,8	
Non-ferrous metal products	4,7	109,9	116,2	118,2	123,1	110,8	114,6	117,3	
Structural metal products	1,3	116,0	137,3	146,4	146,2	119,0	136,8	126,3	
Other fabricated metal product	4,2	112,6	138,3	142,3	147,6	122,0	129,7	129,9	
General purpose machinery	2,4	114,3	123,7	129,3	121,2	113,9	117,5	111,4	
Special purpose machinery	3,2	130,7	144,2	152,7	149,5	133,0	142,6	137,1	
Household appliances	1,2	120,5	155,6	148,0	155,7	119,6	130,0	121,1	
Electrical machinery	2,7	97,7	106,6	118,7	116,5	95,4	107,3	104,6	
Radio, television and communication apparatus and professional equipment	1,3	113,4	126,6	117,5	126,5	118,9	110,7	118,3	
Radio, television and communication apparatus	0,7	92,7	104,4	106,9	121,1	98,4	98,4	113,3	
Professional equipment	0,6	134,4	149,1	128,3	131,9	139,6	123,3	123,4	
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	155,9	164,8	166,5	139,5	147,2	148,9	
Motor vehicles	4,1	129,3	160,8	176,0	172,7	141,1	151,7	151,4	
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	207,3	216,8	235,6	174,7	199,5	198,6	
Parts and accessories	3,1	135,8	163,0	163,9	169,2	148,4	151,9	154,2	
Other transport equipment	1,0	91,7	93,7	101,5	106,2	91,2	94,5	103,2	
Other manufacturing divisions	5,8	107,4	133,2	133,1	135,4	108,7	105,5	111,0	
Furniture	1,6	132,6	175,8	189,8	193,6	135,8	150,9	150,3	
Other manufacturing groups	4,2	97,9	117,2	111,8	113,5	98,6	88,4	96,2	
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>127,1</b>	<b>132,7</b>	<b>134,0</b>	<b>114,1</b>	<b>120,7</b>	<b>120,5</b>	

1/ Preliminary.

**Table 3b - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)**

**Base 2000 = 100**

Manufacturing divisions and major groups	Weights	Year	Indices			Seasonally adjusted indices			
			2005	November 2005	1/ November 2006	Percentage difference between November 2005 and November 2006	October 2006	November 2006	Percentage difference between October and November 2006
Food and beverages	16,4	118,7	130,2	133,0	+2,2	119,3	120,6	+1,1	
Meat, fish, fruit etc.	2,6	127,7	135,2	128,3	-5,1	122,8	122,8	-0,0	
Dairy products	1,1	103,3	113,6	122,1	+7,5	111,9	111,4	-0,4	
Grain mill products	1,5	123,4	130,6	129,8	-0,6	124,4	124,7	+0,2	
Other food products	6,8	106,6	120,1	130,3	+8,5	112,8	114,2	+1,2	
Beverages	4,3	134,5	147,3	144,3	-2,0	127,6	130,4	+2,2	
Textiles, clothing, leather and footwear	5,4	97,9	111,8	118,1	+5,6	101,3	102,1	+0,8	
Textiles	1,2	81,3	83,0	93,3	+12,4	82,4	85,5	+3,8	
Other textile products	1,2	117,0	145,5	143,3	-1,5	122,7	119,2	-2,9	
Knitted, crocheted articles	0,3	77,4	80,4	99,1	+23,3	82,7	91,8	+11,0	
Wearing apparel	2,0	103,9	121,4	130,7	+7,7	107,8	110,0	+2,0	
Leather and leather products	0,3	100,0	98,9	102,4	+3,5	100,8	97,6	-3,2	
Footwear	0,4	79,4	90,7	89,8	-1,0	81,8	78,8	-3,7	
Wood and wood products, paper, publishing and printing	11,0	109,0	126,5	130,9	+3,5	116,7	116,4	-0,3	
Sawmilling and planing of wood	0,7	113,1	128,1	133,5	+4,2	122,7	122,8	+0,1	
Products of wood	1,0	124,6	149,5	151,7	+1,5	130,6	127,7	-2,2	
Paper and paper products	4,8	104,1	117,4	125,2	+6,6	112,2	115,4	+2,9	
Publishing	2,4	107,4	127,1	136,2	+7,2	120,9	119,5	-1,2	
Printing, recorded media	2,1	113,1	134,8	126,8	-5,9	113,4	107,7	-5,0	
Petroleum, chemical products, rubber and plastic products	22,5	113,3	116,8	128,7	+10,2	117,9	118,4	+0,4	
Coke, petroleum products and nuclear fuel	9,1	103,1	86,8	93,1	+7,3	95,4	94,2	-1,3	
Basic chemicals	4,0	113,5	129,5	157,2	+21,4	130,6	138,9	+6,4	
Other chemical products	5,4	125,6	139,8	147,8	+5,7	133,1	131,8	-1,0	
Rubber products	1,1	94,3	99,5	94,7	-4,8	90,2	87,3	-3,2	
Plastic products	3,0	129,2	157,2	178,3	+13,4	153,2	153,1	-0,1	
Glass and non-metallic mineral products	3,9	122,9	144,9	159,1	+9,8	134,8	138,1	+2,4	
Glass and glass products	1,1	137,9	173,8	210,2	+20,9	162,7	170,8	+5,0	
Non-metallic mineral products	2,9	117,3	134,1	140,1	+4,5	124,5	126,0	+1,2	
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	125,8	130,9	+4,1	124,7	119,4	-4,3	
Basic iron and steel products	5,5	103,7	106,0	109,9	+3,7	118,3	104,8	-11,4	
Non-ferrous metal products	4,7	109,9	116,2	123,1	+5,9	114,6	117,3	+2,4	
Structural metal products	1,3	116,0	137,3	146,2	+6,5	136,8	126,3	-7,7	
Other fabricated metal product	4,2	112,6	138,3	147,6	+6,7	129,7	129,9	+0,2	
General purpose machinery	2,4	114,3	123,7	121,2	-2,0	117,5	111,4	-5,2	
Special purpose machinery	3,2	130,7	144,2	149,5	+3,7	142,6	137,1	-3,9	
Household appliances	1,2	120,5	155,6	155,7	+0,1	130,0	121,1	-6,8	
Electrical machinery	2,7	97,7	106,6	116,5	+9,3	107,3	104,6	-2,5	
Radio, television and communication apparatus and professional equipment	1,3	113,4	126,6	126,5	-0,1	110,7	118,3	+6,9	
Radio, television and communication apparatus	0,7	92,7	104,4	121,1	+16,0	98,4	113,3	+15,1	
Professional equipment	0,6	134,4	149,1	131,9	-11,5	123,3	123,4	+0,1	
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	155,9	166,5	+6,8	147,2	148,9	+1,2	
Motor vehicles	4,1	129,3	160,8	172,7	+7,4	151,7	151,4	-0,2	
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	207,3	235,6	+13,7	199,5	198,6	-0,5	
Parts and accessories	3,1	135,8	163,0	169,2	+3,8	151,9	154,2	+1,5	
Other transport equipment	1,0	91,7	93,7	106,2	+13,3	94,5	103,2	+9,2	
Other manufacturing divisions	5,8	107,4	133,2	135,4	+1,7	105,5	111,0	+5,2	
Furniture	1,6	132,6	175,8	193,6	+10,1	150,9	150,3	-0,4	
Other manufacturing groups	4,2	97,9	117,2	113,5	-3,2	88,4	96,2	+8,8	
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>127,1</b>	<b>134,0</b>	<b>+5,4</b>	<b>120,7</b>	<b>120,5</b>	<b>-0,2</b>	

1/ Preliminary.

**Table 4 – Total estimated sales of the manufacturing industry at current prices (R'000)**

Month	2000	2001	2002	2003	2004	2005	2006
Actual values							
J	34 719 192	41 332 917	48 600 027	53 384 436	54 087 849	56 926 654	63 027 398
F	42 323 820	47 874 247	56 818 912	60 881 876	63 110 685	65 565 940	70 108 041
M	46 649 559	52 608 434	60 472 620	63 316 690	68 614 939	69 819 744	77 815 087
A	39 608 354	46 203 182	60 877 645	59 232 782	61 834 608	68 571 415	* 69 777 363
M	44 950 317	50 552 878	63 156 595	60 804 311	67 456 958	70 514 406	* 78 323 968
J	47 472 917	52 406 074	61 624 691	61 395 291	67 184 752	71 804 551	* 81 545 917
J	44 369 400	50 312 376	63 357 520	61 954 528	67 776 226	72 023 115	* 82 648 424
A	47 678 646	50 354 970	64 807 330	62 002 082	68 542 440	74 351 047	86 197 273
S	48 854 175	51 467 372	67 204 918	63 496 302	71 584 850	77 072 274	1/ 88 177 811
O	51 100 083	58 975 926	71 567 676	68 034 682	74 142 435	77 081 000	1/ 93 212 530
N	53 863 473	60 234 047	72 016 317	66 843 411	76 371 998	80 516 878	1/ 95 304 657
D	45 204 955	51 201 599	57 550 291	56 685 863	62 523 603	68 656 468	
<b>Year</b>	<b>546 794 891</b>	<b>613 524 022</b>	<b>748 054 542</b>	<b>738 032 254</b>	<b>803 231 343</b>	<b>852 903 492</b>	
Seasonally adjusted values							
J	41 715 718	49 122 284	57 659 382	63 259 997	63 908 245	67 399 232	74 581 797
F	43 501 401	49 266 095	58 464 992	62 859 005	65 481 716	68 346 883	73 222 238
M	44 637 938	50 471 556	58 255 873	61 354 619	66 776 756	68 019 213	75 946 552
A	41 949 386	48 981 304	64 602 871	62 605 307	65 123 342	72 442 916	73 912 060
M	44 776 927	50 246 162	62 717 602	60 408 139	67 107 197	70 245 096	78 090 415
J	46 501 890	51 440 906	60 704 134	60 730 137	66 575 734	71 125 239	80 752 450
J	44 508 269	50 417 444	63 314 482	61 791 754	67 281 907	71 324 659	81 815 606
A	46 933 931	49 541 659	63 661 339	60 820 960	66 965 475	72 408 303	83 859 997
S	47 157 867	49 687 877	64 641 749	60 762 300	68 142 208	73 033 513	83 428 704
O	46 371 474	53 642 502	65 281 943	62 115 265	67 768 698	70 537 383	85 596 574
N	48 468 564	54 179 641	64 931 085	60 179 174	68 814 196	72 248 508	85 898 620
D	49 260 614	55 366 257	62 584 296	61 816 448	68 152 732	75 071 280	

1/ Preliminary.

\* Revised.

**Table 5 - Percentage change in the value of sales of the manufacturing industry: Total**

Month	2000	2001	2002	2003	2004	2005	2006
J	..	+19,0	+17,6	+9,8	+1,3	+5,2	+10,7
F	..	+13,1	+18,7	+7,2	+3,7	+3,9	+6,9
M	..	+12,8	+14,9	+4,7	+8,4	+1,8	+11,5
A	..	+16,7	+31,8	-2,7	+4,4	+10,9	+1,8
M	..	+12,5	+24,9	-3,7	+10,9	+4,5	+11,1
J	..	+10,4	+17,6	-0,4	+9,4	+6,9	+13,6
J	..	+13,4	+25,9	-2,2	+9,4	+6,3	+14,8
A	..	+5,6	+28,7	-4,3	+10,5	+8,5	+15,9
S	..	+5,3	+30,6	-5,5	+12,7	+7,7	+14,4
O	..	+15,4	+21,4	-4,9	+9,0	+4,0	+20,9
N	..	+11,8	+19,6	-7,2	+14,3	+5,4	+18,4
D	..	+13,3	+12,4	-1,5	+10,3	+9,8	
<b>Year</b>	<b>.</b>	<b>+12,2</b>	<b>+21,9</b>	<b>-1,3</b>	<b>+8,8</b>	<b>+6,2</b>	

The percentage change is the change in the sales of the manufacturing industry of the relevant year compared with the sales of the previous year expressed as a percentage.

**Table 6a - Sales of manufactured products according to manufacturing divisions and major groups (R'000)**

Manufacturing divisions and major groups	Year	Actual values			Seasonally adjusted values		
		November	1/ October	1/ November	November	October	November
		2005	2005	2006	2005	2006	
Food and beverages	153 032 441	14 143 696	15 216 872	15 835 757	12 963 268	14 376 642	14 516 853
Meat, fish, fruit etc.	34 786 013	3 243 093	3 446 606	3 529 779	2 965 914	3 209 928	3 226 435
Dairy products	13 192 926	1 197 445	1 332 863	1 358 542	1 107 746	1 250 731	1 260 918
Grain mill products	26 035 220	2 300 422	2 495 832	2 638 463	2 192 951	2 467 205	2 509 974
Other food products	37 791 892	3 593 651	3 989 596	4 056 686	3 225 573	3 704 096	3 648 127
Beverages	41 226 390	3 809 085	3 951 975	4 252 287	3 471 084	3 744 682	3 871 398
Textiles, clothing, leather and footwear	38 032 591	3 819 069	3 748 339	3 971 365	3 195 225	3 284 119	3 331 426
Textiles	6 538 509	600 972	607 363	623 726	542 354	554 384	563 823
Other textile products	9 807 159	1 037 605	970 285	1 055 328	862 460	872 581	878 306
Knitted, crocheted articles	1 588 645	139 504	156 836	172 746	126 706	147 501	157 546
Wearing apparel	13 247 430	1 409 792	1 340 908	1 470 151	1 104 019	1 137 729	1 152 456
Leather and leather products	4 438 623	373 133	412 239	391 665	353 149	364 757	373 227
Footwear	2 412 225	258 063	260 708	257 749	206 537	207 167	206 067
Wood and wood products, paper, publishing and printing	77 468 984	7 566 910	8 065 766	8 191 558	6 681 084	7 389 260	7 252 679
Sawmilling and planing of wood	4 257 285	403 024	470 749	469 978	360 487	438 067	421 873
Products of wood	11 928 740	1 248 402	1 331 664	1 338 765	1 062 706	1 156 537	1 137 451
Paper and paper products	34 231 634	3 220 581	3 362 271	3 533 234	2 966 715	3 242 167	3 258 421
Publishing	11 434 977	1 137 883	1 273 358	1 293 131	988 286	1 147 685	1 128 094
Printing, recorded media	15 616 348	1 557 020	1 627 724	1 556 450	1 302 891	1 404 804	1 306 840
Petroleum, chemical products, rubber and plastic products	170 482 601	15 112 532	18 715 449	19 336 300	13 603 333	17 314 704	17 626 739
Coke, petroleum products, and nuclear fuel	57 819 072	3 931 830	6 533 700	6 746 683	3 893 997	6 512 494	6 714 123
Basic chemicals	34 720 759	3 567 888	3 995 824	4 140 171	3 060 231	3 423 223	3 539 928
Other chemical products	46 275 887	4 497 409	4 840 227	4 856 465	3 975 520	4 351 526	4 293 713
Rubber products	8 974 492	793 486	787 354	866 132	722 015	747 459	787 915
Plastic products	22 692 391	2 321 919	2 558 344	2 726 849	1 951 569	2 280 003	2 291 059
Glass and non-metallic mineral products	26 163 917	2 636 905	2 926 383	2 951 744	2 293 484	2 536 960	2 557 284
Glass and glass products	4 800 302	525 067	625 750	656 801	412 125	518 345	514 856
Non-metallic mineral products	21 363 615	2 111 838	2 300 633	2 294 943	1 881 360	2 018 615	2 042 427
Basic iron and steel, non-ferrous metal products, metal products and machinery	177 797 495	16 394 374	20 595 253	20 472 007	15 027 027	19 238 393	18 851 934
Basic iron and steel products	63 182 407	5 299 473	8 198 693	7 953 941	5 148 097	7 783 839	7 717 459
Non-ferrous metal products	24 235 170	2 331 246	2 888 665	2 950 656	2 126 841	2 716 338	2 694 262
Structural metal products	13 402 419	1 298 885	1 453 695	1 473 990	1 160 644	1 334 637	1 315 190
Other fabricated metal product	29 122 891	2 882 511	3 153 014	3 382 892	2 528 810	2 915 326	2 964 992
General purpose machinery	19 178 824	1 788 176	1 869 195	1 763 068	1 639 615	1 691 473	1 613 064
Special purpose machinery	20 090 260	1 867 749	2 110 642	1 982 768	1 690 709	1 972 604	1 781 532
Household appliances	8 585 524	926 334	921 349	964 692	732 310	824 176	765 435
Electrical machinery	22 539 304	2 165 732	2 716 138	2 886 513	1 934 314	2 512 779	2 584 571
Radio, television and communication apparatus and professional equipment	12 025 153	1 152 469	1 069 791	1 194 013	1 059 639	1 016 815	1 089 650
Radio, television and communication apparatus	6 184 880	605 063	604 385	688 100	550 379	562 027	620 880
Professional equipment	5 840 273	547 406	465 406	505 913	509 260	454 788	468 771
Motor vehicles, parts and accessories and other transport equipment	133 643 837	13 355 079	15 698 893	15 827 198	11 861 398	14 013 486	14 042 874
Motor vehicles	74 634 781	7 457 545	8 774 794	8 631 397	6 608 776	7 841 310	7 636 723
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	678 531	705 092	794 410	549 367	621 206	641 361
Parts and accessories	43 763 552	4 430 413	5 290 864	5 419 325	3 936 853	4 690 297	4 814 420
Other transport equipment	9 109 790	788 590	928 143	982 066	766 403	860 672	950 371
Other manufacturing divisions	41 717 169	4 170 112	4 459 646	4 638 202	3 629 735	3 913 417	4 044 609
Furniture	10 230 805	1 128 411	1 272 637	1 330 292	870 673	1 031 966	1 026 994
Other manufacturing groups	31 486 364	3 041 701	3 187 009	3 307 910	2 759 062	2 881 452	3 017 616
<b>Total</b>	<b>852 903 492</b>	<b>80 516 878</b>	<b>93 212 530</b>	<b>95 304 657</b>	<b>72 248 508</b>	<b>85 596 574</b>	<b>85 898 620</b>

1/ Preliminary.

**Table 6b - Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)**

Manufacturing divisions and major groups	Year	Value of sales			Seasonally adjusted value of sales		
		2005	1/		October 2006	November 2006	Percentage change between October and November 2006
			November 2005	November 2006			
Food and beverages	153 032 441	14 143 696	15 835 757	+12,0	14 376 642	14 516 853	+1,0
Meat, fish, fruit etc.	34 786 013	3 243 093	3 529 779	+8,8	3 209 928	3 226 435	+0,5
Dairy products	13 192 926	1 197 445	1 358 542	+13,5	1 250 731	1 260 918	+0,8
Grain mill products	26 035 220	2 300 422	2 638 463	+14,7	2 467 205	2 509 974	+1,7
Other food products	37 791 892	3 593 651	4 056 686	+12,9	3 704 096	3 648 127	-1,5
Beverages	41 226 390	3 809 085	4 252 287	+11,6	3 744 682	3 871 398	+3,4
Textiles, clothing, leather and footwear	38 032 591	3 819 069	3 971 365	+4,0	3 284 119	3 331 426	+1,4
Textiles	6 538 509	600 972	623 726	+3,8	554 384	563 823	+1,7
Other textile products	9 807 159	1 037 605	1 055 328	+1,7	872 581	878 306	+0,7
Knitted, crocheted articles	1 588 645	139 504	172 746	+23,8	147 501	157 546	+6,8
Wearing apparel	13 247 430	1 409 792	1 470 151	+4,3	1 137 729	1 152 456	+1,3
Leather and leather products	4 438 623	373 133	391 665	+5,0	364 757	373 227	+2,3
Footwear	2 412 225	258 063	257 749	-0,1	207 167	206 067	-0,5
Wood and wood products, paper, publishing and printing	77 468 984	7 566 910	8 191 558	+8,3	7 389 260	7 252 679	-1,8
Sawmilling and planing of wood	4 257 285	403 024	469 978	+16,6	438 067	421 873	-3,7
Products of wood	11 928 740	1 248 402	1 338 765	+7,2	1 156 537	1 137 451	-1,7
Paper and paper products	34 231 634	3 220 581	3 533 234	+9,7	3 242 167	3 258 421	+0,5
Publishing	11 434 977	1 137 883	1 293 131	+13,6	1 147 685	1 128 094	-1,7
Printing, recorded media	15 616 348	1 557 020	1 556 450	-0,0	1 404 804	1 306 840	-7,0
Petroleum, chemical products, rubber and plastic products	170 482 601	15 112 532	19 336 300	+27,9	17 314 704	17 626 739	+1,8
Coke, petroleum products and nuclear fuel	57 819 072	3 931 830	6 746 683	+71,6	6 512 494	6 714 123	+3,1
Basic chemicals	34 720 759	3 567 888	4 140 171	+16,0	3 423 223	3 539 928	+3,4
Other chemical products	46 275 887	4 497 409	4 856 465	+8,0	4 351 526	4 293 713	-1,3
Rubber products	8 974 492	793 486	866 132	+9,2	747 459	787 915	+5,4
Plastic products	22 692 391	2 321 919	2 726 849	+17,4	2 280 003	2 291 059	+0,5
Glass and non-metallic mineral products	26 163 917	2 636 905	2 951 744	+11,9	2 536 960	2 557 284	+0,8
Glass and glass products	4 800 302	525 067	656 801	+25,1	518 345	514 856	-0,7
Non-metallic mineral products	21 363 615	2 111 838	2 294 943	+8,7	2 018 615	2 042 427	+1,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	177 797 495	16 394 374	20 472 007	+24,9	19 238 393	18 851 934	-2,0
Basic iron and steel products	63 182 407	5 299 473	7 953 941	+50,1	7 783 839	7 717 459	-0,9
Non-ferrous metal products	24 235 170	2 331 246	2 950 656	+26,6	2 716 338	2 694 262	-0,8
Structural metal products	13 402 419	1 298 885	1 473 990	+13,5	1 334 637	1 315 190	-1,5
Other fabricated metal products	29 122 891	2 882 511	3 382 892	+17,4	2 915 326	2 964 992	+1,7
General purpose machinery	19 178 824	1 788 176	1 763 068	-1,4	1 691 473	1 613 064	-4,6
Special purpose machinery	20 090 260	1 867 749	1 982 768	+6,2	1 972 604	1 781 532	-9,7
Household appliances	8 585 524	926 334	964 692	+4,1	824 176	765 435	-7,1
Electrical machinery	22 539 304	2 165 732	2 886 513	+33,3	2 512 779	2 584 571	+2,9
Radio, television and communication apparatus and professional equipment	12 025 153	1 152 469	1 194 013	+3,6	1 016 815	1 089 650	+7,2
Radio, television and communication apparatus	6 184 880	605 063	688 100	+13,7	562 027	620 880	+10,5
Professional equipment	5 840 273	547 406	505 913	-7,6	454 788	468 771	+3,1
Motor vehicles, parts and accessories and other transport equipment	133 643 837	13 355 079	15 827 198	+18,5	14 013 486	14 042 874	+0,2
Motor vehicles	74 634 781	7 457 545	8 631 397	+15,7	7 841 310	7 636 723	-2,6
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	678 531	794 410	+17,1	621 206	641 361	+3,2
Parts and accessories	43 763 552	4 430 413	5 419 325	+22,3	4 690 297	4 814 420	+2,6
Other transport equipment	9 109 790	788 590	982 066	+24,5	860 672	950 371	+10,4
Other manufacturing divisions	41 717 169	4 170 112	4 638 202	+11,2	3 913 417	4 044 609	+3,4
Furniture	10 230 805	1 128 411	1 330 292	+17,9	1 031 966	1 026 994	-0,5
Other manufacturing groups	31 486 364	3 041 701	3 307 910	+8,8	2 881 452	3 017 616	+4,7
<b>Total</b>	<b>852 903 492</b>	<b>80 516 878</b>	<b>95 304 657</b>	<b>+18,4</b>	<b>85 596 574</b>	<b>85 898 620</b>	<b>+0,4</b>

1/ Preliminary.

**Table 7 - Percentage change between the current quarter and the corresponding quarter of the previous year in the physical volume of manufacturing production and sales according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)			Value of sales (R'000)		
		September to November 2005	September to November 2006	Annual percentage change between September to November 2005 and September to November 2006	September to November 2005	September to November 2006	Annual percentage change between September to November 2005 and September to November 2006
Food and beverages	16,4	129,1	129,2	+0,1	40 832 125	45 406 297	+11,2
Meat, fish, fruit etc.	2,6	131,9	124,7	-5,5	9 314 973	10 205 874	+9,6
Dairy products	1,1	112,5	119,8	+6,5	3 561 602	3 952 539	+11,0
Grain mill products	1,5	128,0	127,3	-0,5	6 666 914	7 489 236	+12,3
Other food products	6,8	122,0	127,4	+4,4	10 266 231	11 700 548	+14,0
Beverages	4,3	143,5	137,9	-3,9	11 022 405	12 058 100	+9,4
Textiles, clothing, leather and footwear	5,4	108,4	114,2	+5,4	10 791 015	11 204 869	+3,8
Textiles	1,2	87,4	92,1	+5,4	1 778 670	1 839 086	+3,4
Other textile products	1,2	132,8	135,7	+2,2	2 844 250	2 913 441	+2,4
Knitted, crocheted articles	0,3	79,1	91,7	+15,9	411 050	472 519	+15,0
Wearing apparel	2,0	116,9	124,9	+6,8	3 878 428	4 063 902	+4,8
Leather and leather products	0,3	97,5	102,6	+5,2	1 145 761	1 158 015	+1,1
Footwear	0,4	92,4	95,0	+2,8	732 856	757 906	+3,4
Wood and wood products, paper, publishing and printing	11,0	119,9	127,7	+6,5	21 735 294	24 063 570	+10,7
Sawmilling and planing of wood	0,7	122,3	130,3	+6,5	1 173 927	1 373 805	+17,0
Products of wood	1,0	141,6	145,2	+2,5	3 517 530	3 856 108	+9,6
Paper and paper products	4,8	112,2	122,6	+9,3	9 468 571	10 515 957	+11,1
Publishing	2,4	120,7	131,9	+9,3	3 234 431	3 726 335	+15,2
Printing, recorded media	2,1	125,5	125,5	0,0	4 340 835	4 591 365	+5,8
Petroleum, chemical products, rubber and plastic products	22,5	117,9	124,1	+5,3	46 621 747	56 133 446	+20,4
Coke, petroleum products and nuclear fuel	9,1	94,1	91,0	-3,3	14 504 562	19 929 562	+37,4
Basic chemicals	4,0	126,7	143,6	+13,3	10 057 680	11 899 376	+18,3
Other chemical products	5,4	137,9	145,1	+5,2	13 010 837	14 093 513	+8,3
Rubber products	1,1	95,9	95,9	0,0	2 355 264	2 493 716	+5,9
Plastic products	3,0	151,4	172,3	+13,8	6 693 404	7 717 279	+15,3
Glass and non-metallic mineral products	3,9	141,6	152,0	+7,3	7 732 920	8 575 071	+10,9
Glass and glass products	1,1	163,1	189,3	+16,1	1 492 210	1 827 747	+22,5
Non-metallic mineral products	2,9	133,5	138,2	+3,5	6 240 710	6 747 324	+8,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	121,4	130,4	+7,4	46 705 824	60 065 198	+28,6
Basic iron and steel products	5,5	100,9	119,1	+18,0	14 918 133	23 625 747	+58,4
Non-ferrous metal products	4,7	115,7	119,4	+3,2	6 535 876	8 586 657	+31,4
Structural metal products	1,3	130,3	141,3	+8,4	3 751 063	4 266 898	+13,8
Other fabricated metal products	4,2	126,2	139,6	+10,6	8 192 953	9 498 717	+15,9
General purpose machinery	2,4	123,6	125,2	+1,3	5 226 631	5 374 929	+2,8
Special purpose machinery	3,2	146,2	147,7	+1,0	5 547 287	5 987 886	+7,9
Household appliances	1,2	144,0	146,7	+1,9	2 533 881	2 724 364	+7,5
Electrical machinery	2,7	107,5	115,4	+7,3	6 225 716	8 241 192	+32,4
Radio, television and communication apparatus and professional equipment	1,3	127,9	120,9	-5,5	3 423 377	3 378 538	-1,3
Radio, television and communication apparatus	0,7	108,4	110,8	+2,2	1 799 676	1 907 876	+6,0
Professional equipment	0,6	147,7	131,1	-11,2	1 623 701	1 470 662	-9,4
Motor vehicles, parts and accessories and other transport equipment	8,6	150,0	160,9	+7,3	38 729 701	46 108 194	+19,1
Motor vehicles	4,1	157,5	167,1	+6,1	21 939 433	25 522 468	+16,3
Bodies for motor vehicles, trailers and semi-trailers	0,4	198,7	223,4	+12,4	1 899 547	2 185 754	+15,1
Parts and accessories	3,1	153,4	163,4	+6,5	12 631 426	15 547 014	+23,1
Other transport equipment	1,0	89,5	103,9	+16,1	2 259 295	2 852 958	+26,3
Other manufacturing divisions	5,8	129,1	134,5	+4,2	11 872 433	13 518 623	+13,9
Furniture	1,6	162,5	181,4	+11,6	3 123 086	3 689 071	+18,1
Other manufacturing groups	4,2	116,5	116,8	+0,3	8 749 347	9 829 552	+12,3
<b>Total</b>	<b>100,0</b>	<b>124,4</b>	<b>130,8</b>	<b>+5,1</b>	<b>234 670 152</b>	<b>276 694 998</b>	<b>+17,9</b>

**Table 8 - Annual percentage change in the physical volume of manufacturing production and value of sales according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)				Value of sales (R million)			
		Jan. to Nov. 2005	Jan. to Nov. 2006	Annual percentage change between 2005 and 2006	Contribution (percentage points) 1/	Jan. to Nov. 2005	Jan. to Nov. 2006	Annual percentage change between 2005 and 2006	Difference in sales between 2005 and 2006
Food and beverages	16,4	117,6	119,1	+1,3	+0,2	137 389	149 610	+8,9	+12 221
Meat, fish, fruit etc.	2,6	126,9	124,2	-2,1	-0,1	31 407	33 925	+8,0	+2 518
Dairy products	1,1	101,8	108,8	+6,9	+0,1	11 917	13 147	+10,3	+1 230
Grain mill products	1,5	122,4	124,1	+1,4	+0,0	23 686	25 343	+7,0	+1 657
Other food products	6,8	107,2	111,2	+3,7	+0,3	34 296	38 145	+11,2	+3 849
Beverages	4,3	130,8	129,5	-1,0	-0,0	36 083	39 051	+8,2	+2 968
Textiles, clothing, leather and footwear	5,4	100,2	101,7	+1,5	+0,1	35 479	36 445	+2,7	+966
Textiles	1,2	84,2	83,0	-1,4	-0,0	6 171	6 104	-1,1	-67
Other textile products	1,2	120,0	122,7	+2,3	+0,0	9 167	9 696	+5,8	+529
Knitted, crocheted articles	0,3	79,1	82,5	+4,3	+0,0	1 482	1 560	+5,2	+78
Wearing apparel	2,0	105,7	108,4	+2,6	+0,1	12 301	12 697	+3,2	+396
Leather and leather products	0,3	101,3	99,2	-2,1	-0,0	4 119	4 045	-1,8	-74
Footwear	0,4	81,1	83,8	+3,3	+0,0	2 239	2 343	+4,6	+104
Wood and wood products, paper, publishing and printing	11,0	109,8	116,4	+6,0	+0,7	71 519	78 623	+9,9	+7 104
Sawmilling and planing of wood	0,7	115,0	120,6	+4,9	+0,0	3 953	4 503	+13,9	+550
Products of wood	1,0	126,9	132,8	+4,6	+0,0	11 140	12 460	+11,9	+1 320
Paper and paper products	4,8	104,7	112,5	+7,4	+0,4	31 529	34 630	+9,8	+3 101
Publishing	2,4	107,0	118,8	+11,0	+0,3	10 449	12 025	+15,1	+1 576
Printing, recorded media	2,1	114,5	113,2	-1,1	-0,0	14 448	15 005	+3,9	+557
Petroleum, chemical products, rubber and plastic products	22,5	113,8	115,7	+1,7	+0,4	156 308	180 023	+15,2	+23 715
Coke, petroleum products and nuclear fuel	9,1	103,1	94,9	-8,0	-0,7	52 383	65 585	+25,2	+13 202
Basic chemicals	4,0	113,9	124,6	+9,4	+0,4	32 105	36 478	+13,6	+4 373
Other chemical products	5,4	126,2	130,6	+3,5	+0,2	42 459	45 558	+7,3	+3 099
Rubber products	1,1	97,7	91,8	-6,0	-0,1	8 406	8 353	-0,6	-53
Plastic products	3,0	130,4	150,0	+15,0	+0,5	20 955	24 049	+14,8	+3 094
Glass and non-metallic mineral products	3,9	124,0	133,2	+7,4	+0,3	24 300	27 163	+11,8	+2 863
Glass and glass products	1,1	138,9	155,7	+12,1	+0,1	4 433	5 147	+16,1	+714
Non-metallic mineral products	2,9	118,5	124,9	+5,4	+0,2	19 867	22 016	+10,8	+2 149
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	114,1	121,5	+6,5	+1,5	164 373	187 183	+13,9	+22 810
Basic iron and steel products	5,5	104,2	112,5	+8,0	+0,5	58 624	69 551	+18,6	+10 927
Non-ferrous metal products	4,7	109,5	119,1	+8,8	+0,4	22 077	27 218	+23,3	+5 141
Structural metal products	1,3	118,0	126,7	+7,4	+0,1	12 454	13 611	+9,3	+1 157
Other fabricated metal products	4,2	114,5	125,6	+9,7	+0,4	26 994	30 595	+13,3	+3 601
General purpose machinery	2,4	115,9	112,4	-3,0	-0,1	17 707	17 543	-0,9	-164
Special purpose machinery	3,2	132,2	134,7	+1,9	+0,1	18 572	19 521	+5,1	+949
Household appliances	1,2	121,8	137,1	+12,6	+0,2	7 945	9 144	+15,1	+1 199
Electrical machinery	2,7	99,3	105,7	+6,4	+0,2	20 772	25 418	+22,4	+4 646
Radio, television and communication apparatus and professional equipment	1,3	114,0	110,6	-3,0	-0,0	11 076	11 123	+0,4	+47
Radio, television and communication apparatus	0,7	92,8	96,5	+4,0	+0,0	5 695	6 035	+6,0	+340
Professional equipment	0,6	135,4	124,9	-7,8	-0,0	5 381	5 089	-5,4	-292
Motor vehicles, parts and accessories and other transport equipment	8,6	131,8	149,8	+13,7	+1,2	124 651	147 500	+18,3	+22 849
Motor vehicles	4,1	133,2	153,5	+15,2	+0,6	69 505	82 026	+18,0	+12 521
Bodies for motor vehicles, trailers and semi-trailers	0,4	158,6	191,4	+20,7	+0,1	5 673	6 693	+18,0	+1 020
Parts and accessories	3,1	139,0	156,6	+12,7	+0,4	40 989	49 415	+20,6	+8 426
Other transport equipment	1,0	93,3	96,8	+3,8	+0,0	8 484	9 366	+10,4	+882
Other manufacturing divisions	5,8	109,1	114,7	+5,1	+0,3	38 381	43 051	+12,2	+4 670
Furniture	1,6	134,3	145,9	+8,6	+0,1	9 462	10 644	+12,5	+1 182
Other manufacturing groups	4,2	99,7	103,0	+3,3	+0,1	28 918	32 407	+12,1	+3 489
<b>Total</b>	<b>100,0</b>	<b>114,6</b>	<b>120,1</b>	<b>+4,8</b>	<b>+4,8</b>	<b>784 247</b>	<b>886 138</b>	<b>+13,0</b>	<b>101 891</b>

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing group or division with the weight of the group or division, divided by 100.



## 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 new business register, 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 2000. Both estimated and seasonally adjusted figures are presented.
  - 3 In order to improve timeliness, some information for the latest month has 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 new business register, 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. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level. Each enterprise is classified to an industry which reflects its predominant activity.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for November 2006 was 76,3%. Improved response rate for October 2006 was 87,7%.
- 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 approximately 3 100 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 3 081 enterprises, which was drawn in April 2006 from a population then of 48 653 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 division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at [www.statssa.gov.za/publications/publicationsearch.asp](http://www.statssa.gov.za/publications/publicationsearch.asp).
  - 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 census of manufacturing or large sample survey of the manufacturing industry. For the period 1996 to 2000, the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2006, the weights are based on the 2001 large sample survey of the manufacturing industry. Weights between census 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 E for the fixed weights which were used for the two periods 1996 to 2000 and 2001 to 2006).
- Seasonal adjustment**
- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Programme developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. 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 to 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 of figures** 23 The figures in the tables have, where necessary, been rounded to the nearest digit shown.
- Pre-release policy** 24 Stats SA's pre-release policy may be inspected at its website, [www.statssa.gov.za](http://www.statssa.gov.za)
- Symbols and abbreviations** 25
- |          |   |
|----------|---|
| GDP      | Gross Domestic Product  |
| ISIC     | International Standard Industrial Classification              |
| m        | Million   |
| SIC      | Standard Industrial Classification of all Economic Activities |
| SARS     | South African Revenue Service                                 |
| Stats SA | Statistics South Africa                                       |
| VAT      | Value-added tax   |
| 1/       | Preliminary figures   |
| *        | 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.

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

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

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	5 000 000
Small	5 000 001	13 000 000
Medium	13 000 001	102 000 000
Large	102 000 001	

## Glossary

<b>Enterprise</b>	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
<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 2000. The production in the base period is set at 100.
<b>Industry</b>	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 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 E – Weights according to manufacturing major groups**

Manufacturing divisions and major groups	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2006	Weights according to the 1996 census of manufacturing 1996 - 2000
<b>Food and beverages</b>	<b>16,4</b>	<b>15,3</b>
Meat, fish, fruit, etc.	2,6	2,8
Dairy products	1,1	1,4
Grain mill products	1,5	2,1
Other food products	6,8	4,4
Beverages	4,3	4,6
<b>Textiles, clothing, leather and footwear</b>	<b>5,4</b>	<b>7,8</b>
Textiles	1,2	1,7
Other textile products	1,2	1,2
Knitted, crocheted articles	0,3	0,6
Wearing apparel	2,0	3,0
Tanning, dressing of leather	0,3	0,4
Footwear	0,4	0,9
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,0</b>	<b>11,4</b>
Sawmilling and planing of wood	0,7	0,8
Products of wood	1,0	1,2
Paper and paper products	4,8	5,3
Publishing	2,4	1,5
Printing, recorded media	2,1	2,6
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>19,3</b>
Petroleum products	9,1	4,2
Basic chemicals	4,0	4,5
Other chemical products	5,4	6,2
Rubber products	1,1	1,4
Plastic products	3,0	3,1
<b>Glass and non-metallic mineral products</b>	<b>3,9</b>	<b>4,5</b>
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,4</b>	<b>23,6</b>
Basic iron and steel products	5,5	7,6
Non-ferrous metal products	4,7	3,2
Structural metal products	1,3	2,4
Other fabricated metal products	4,2	4,6
General purpose machinery	2,4	2,5
Special purpose machinery	3,2	2,9
Household appliances	1,2	0,4
<b>Electrical machinery</b>	<b>2,7</b>	<b>3,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,3</b>	<b>1,5</b>
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>9,1</b>
Motor vehicles	4,1	4,5
Bodies for motor vehicles, trailers and semi-trailers	0,4	0,5
Parts and accessories	3,1	3,0
Other transport equipment	1,0	1,0
<b>Other manufacturing divisions</b>	<b>5,8</b>	<b>4,1</b>
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
<b>Total</b>	<b>100,0</b>	<b>100,0</b>

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