

Manufacturing: Production and sales

January, February and March 2004

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In this bulletin Stats SA releases the new series for manufacturing production and sales. This is the first published outcome of a strategic, systematic approach to the overhaul of Stats SA's economic statistics.

The new manufacturing series, which is based on a new survey running in parallel with the existing survey since the start of 2003, shows movements consistent with those from the old manufacturing series.

The old series is discontinued from the end of 2003. The new series has been backcast to the start of 1998 to assist users of time series. For the period 1998 to 2002, it reflects the movements from the old series, using the level for January 2003 as the end point of the backcast series.

For 2003 the level of manufacturing sales is about 17% higher than the level from the old series. This is a direct reflection of a major drive to improve the coverage of established economic statistics series by basing them on a new, much more comprehensive register of businesses. Economic statistics require the best possible register of businesses by activity, size and location to underpin all Stats SA's business surveys.

The higher levels will not stop at manufacturing. They will also be reflected in new monthly series for retail, wholesale and motor trade sales and land freight, all of which replace series based on Stats SA's old business address register.

The bulletins for manufacturing and the above-mentioned monthly series were suspended in March 2004, as Stats SA needed more time to fully satisfy itself about the reliability of the new series. This has been done and the remaining new monthly series will be published shortly. Thereafter, the established publication timetable for all monthly series will be resumed.

The article *Effects of Statistics South Africa's new business register on industry statistics* in this bulletin discusses these changes in more detail.

The new series

Key figures as at the end of March 2004

Actual estimates

	March 2004	% change between March 2003 and March 2004	% change between February and March 2004	% change between January to March 2003 and January to March 2004
Physical volume of manufacturing production index (2000=100)	112,8	+3,1	+6,9	+1,1
Total value of sales of manufactured products (R million)	65 082	+6,0	+7,7	+3,4

Seasonally adjusted estimates

	March 2004	% change between March 2003 and March 2004	% change between February and March 2004	% change between October to December 2003 and January to March 2004
Physical volume of manufacturing production index (2000=100)	108,5	+3,2	+1,5	+2,3
Total value of sales of manufactured products (R million)	63 141	+6,5	+2,2	+4,4

Key findings as at the end of March 2004

Manufacturing production increases

Manufacturing production for the first quarter of 2004 increased by 2,3%, after seasonal adjustment, compared with the fourth quarter of 2003. Higher production was reported by 8 of the 10 manufacturing divisions.

The major contributors to the seasonally adjusted increase of 2,3% in total manufacturing production for the first quarter of 2004 were the furniture and 'other' manufacturing division, and basic iron and steel, non-ferrous metal products, metal products and machinery division (each contributing +0,5 of a percentage point to total manufacturing production), followed by food and beverages (+0,3 of a percentage point) and textiles, clothing, leather and footwear (+0,3 of a percentage point) (see table A).

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 1998 and March 2004. While the trend series has been rising since mid 2003, it is still below the peak reached at September 2002.

Figure 1 – Index of the physical volume of manufacturing production

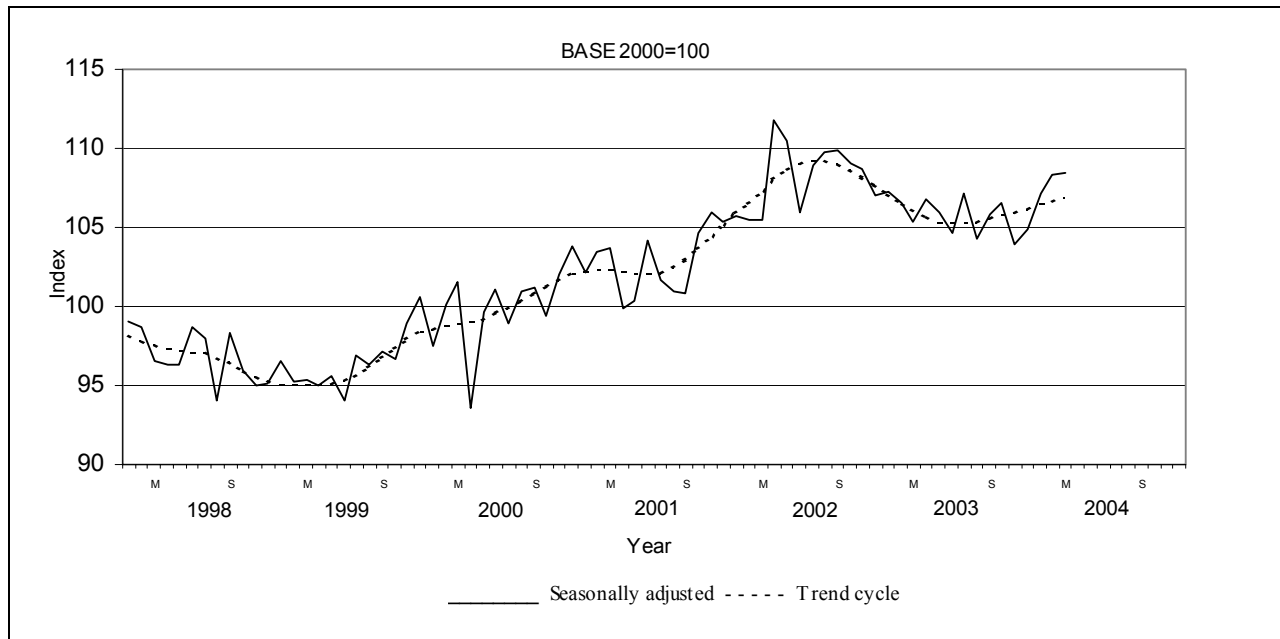


Table A - Contribution of manufacturing divisions to total manufacturing production (Base 2000=100)

Manufacturing divisions	Percentage contribution to total manufacturing production using weights based on 1996 Census of Manufacturing	Average seasonally adjusted production index for January to March 2004	Quarterly percentage change between January to March 2004 and the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	15,3	107,9	+3,5	+0,4
Textiles, clothing, leather and footwear	7,8	96,8	+5,2	+0,4
Wood and wood products; paper; publishing and printing	11,4	103,1	-1,1	-0,1
Petroleum, chemical products, rubber and plastic products	19,3	108,8	+1,5	+0,2
Glass and non-metallic mineral products	4,5	106,1	+0,7	+0,0
Basic iron and steel; non-ferrous metal products; metal products and machinery	23,6	113,7	+2,1	+0,5
Electrical machinery	3,4	101,0	-1,1	-0,0
Radio, television and communication apparatus; professional equipment	1,5	104,1	+1,3	+0,0
Motor vehicles, parts and accessories; other transport equipment	9,1	107,0	+2,1	+0,1
Furniture and other manufacturing divisions	4,1	104,2	+13,5	+0,5
Total	100,0	107,4	+2,3	+2,3

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

Sales of manufactured products increase

The total value of sales of manufactured products at current prices for the first quarter of 2004 increased by 4,4% (+R7 928 million), after seasonal adjustment, compared with the fourth quarter of 2003. Higher manufacturing sales were reported by 7 of the 10 manufacturing divisions during this period (see table B). Sales of manufactured products at current prices for the first quarter of 2004 was 3,4% higher than for the first quarter of 2003 (see table C).

The seasonally adjusted increase of 4,4% in the total value of sales of manufactured products at current prices for the first quarter of 2004 was mainly due to large increases reported for basic iron and steel, non-ferrous metal products, metal products and machinery (+7,9% or +R3 049 million), food and beverages (+7,1% or +R2 167 million) and petroleum, chemical products, rubber and plastic products (+5,8% or +R2 090 million) (see table B).

Table B - Contribution of the manufacturing divisions to the total value of seasonally adjusted sales of manufactured products

Manufacturing Divisions	Seasonally adjusted sales January to March 2004	Percentage change between October to December 2003 and January to March 2004	Difference in seasonally adjusted sales of manufacturing divisions between October to December 2003 and January to March 2004
	R'000		R'000
Food and beverages	32 666 950	+7,1	2 167 017
Textiles, clothing, leather and footwear	9 334 421	+7,4	643 271
Wood and wood products; paper; publishing and printing	16 598 352	-0,0	-1 232
Petroleum, chemical products, rubber and plastic products	38 307 837	+5,8	2 090 046
Glass and non-metallic mineral products	5 517 564	+5,1	270 156
Basic iron and steel; non-ferrous metal products; metal products and machinery	41 555 255	+7,9	3 048 916
Electrical machinery	5 101 278	-2,9	-153 570
Radio, television and communication apparatus; professional equipment	3 038 400	+0,2	5 019
Motor vehicles, parts and accessories; other transport equipment	25 255 692	-0,7	-172 864
Furniture and other manufacturing divisions	8 928 162	+3,0	262 826
Total	186 381 455	+4,4	7 927 767

The major contributors to the increase of 3,4% in sales of manufactured products at current prices for the first quarter 2004 compared with the first quarter 2003 were basic iron and steel, non-ferrous metal products, metal products and machinery (1,8 percentage points or R3 033 million), food and beverages (0,8 of a percentage point or R1 358 million), and glass and non-metallic mineral products (0,4 of a percentage point or R605 million) (see table C).

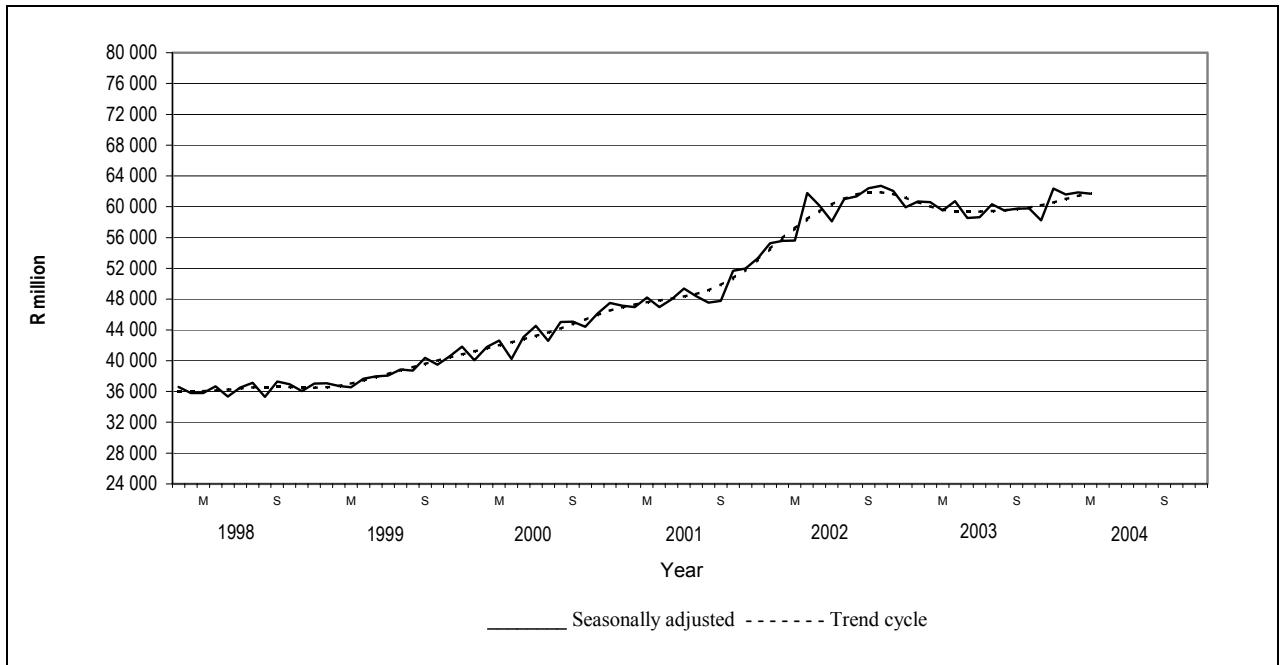
Table C - Contribution of the manufacturing divisions to total value of sales of manufactured products

Manufacturing	Percentage contribution to total value of sales of manufactured products January to March 2003	Percentage change between January to March 2003 and January to March 2004	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between January to March 2003 and January to March 2004
Food and beverages	17,4	4,5	0,8	1 357 959
Textiles, clothing, leather and footwear	4,9	0,5	-0,0	40 688
Wood and wood products; paper; publishing and printing	8,9	3,6	0,3	559 307
Petroleum, chemical products, rubber and plastic products	21,0	1,4	0,3	490 436
Glass and non-metallic mineral products	2,6	13,7	0,4	605 081
Basic iron and steel, non-ferrous metal products; metal products and machinery	21,3	8,3	1,8	3 032 599
Electrical machinery	2,9	-1,2	-0,0	-57 596
Radio, television and communication apparatus; professional equipment	1,7	10,1	0,2	299 139
Motor vehicles, parts and accessories and other transport equipment	14,9	-3,5	-0,5	-894 717
Furniture and other manufacturing divisions	4,5	6,1	0,3	468 430
Total	100,0	3,4	3,4	5 901 326

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

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 1998 and March 2004. After peaking in September 2002, the series declined until June 2003, before resuming its upward movement. At March 2004, it has almost reached the high point of September 2002.

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



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Forthcoming issues	Issue	Expected release date
	April 2004	8 June 2004
	May 2004	6 July 2004
	June 2004	10 August 2004

Purpose of the survey 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 The data in this statistical release should 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. In this case there has been a delay, but this is not expected to recur.

Article

Effects of Stats South Africa’s new Business Register on industry statistics

Background

Stats SA provides statistics about businesses and their activities in the primary, secondary, tertiary, services and transport industries. Production indices and manufacturers’ sales, sales of the retail, wholesale and motor trade industries and land freight transport statistics, are published monthly.

All surveys of businesses conducted by Stats SA draw their frames from its register of businesses. The business register in operation for many years was built from a range of administrative sources. Realising that those sources were no longer adequately capturing an up-to-date population of businesses of all sizes in all industries of South Africa's economy, Stats SA has been developing an improved business register. The new register is based on the value-added tax (VAT) database obtained from the South African Revenue Service (SARS), and so its coverage is all businesses in South Africa registered to collect VAT, on behalf of SARS, on the goods and services they sell. These encompass businesses with turnover for a 12 month period of R300 000 or more at time of registration, and businesses opting to register in the expectation that they will reach this threshold.

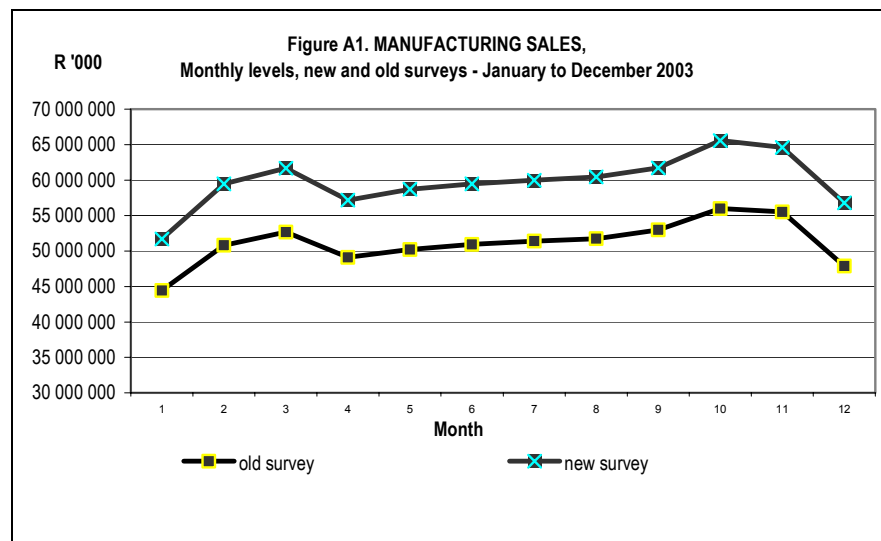
The new business register now provides the sampling frame for all Stats SA surveys of businesses. Enterprises that conform to the above criteria are included on the new register and hence are given a chance of selection in the new samples for Stats SA surveys. The coverage of the new register is significantly greater than that of the old register, and its currency is being maintained through information provided by SARS, verified and enhanced by Stats SA's own investigations. Work is in train to further enhance the coverage of the business register through access to the income tax records of businesses (see *Further developments* below).

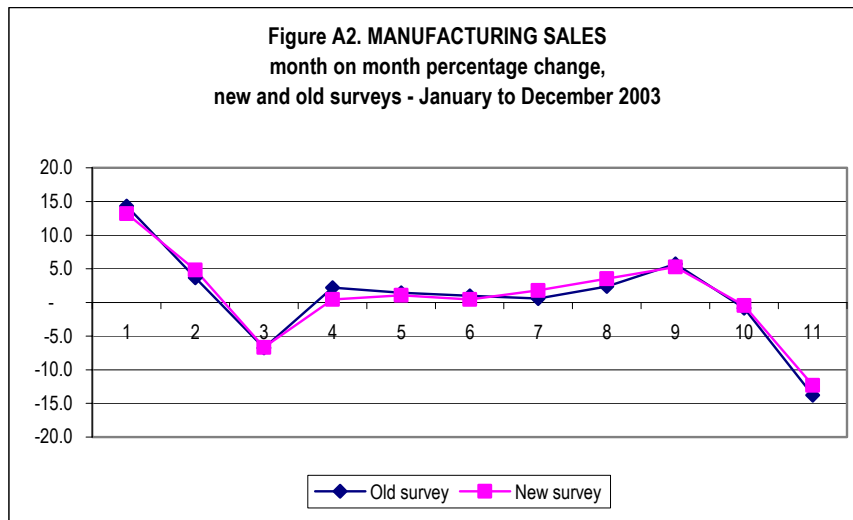
Effects of moving to the new business register

Since the beginning of 2003, Stats SA has been conducting its monthly manufacturing production and sales surveys using a fresh sample of businesses drawn from the new business register, in parallel with continued conduct of the surveys based on the established sample of businesses drawn from the old business register. The parallel operation was designed to ensure that the new sample was well established, and that estimates could be constructed for an overlap period of one year between the old and new samples, to provide users with a comparability bridge of a reasonable number of observations, on both the old and new bases for the manufacturing production index and the value of sales of manufactured products. The present publication provides these series on both bases for all the months of 2003, as well as estimates on the new basis for the months of January, February and March 2004. The publication also provides backcast series on the new basis from 1998.

Overall comparison

Figures A1 and A2 show the levels and movements for total manufacturing sales over all the months of 2003. It can be seen that the levels for the new series are a little under 20% higher than those from the old series. However, the movements of the two series have tracked reasonably closely.





The differences in level are mainly due to the following:

- The greater currency of the frame now being used compared to the frame drawn from the previous business register.
- The improved coverage, particularly for smaller enterprises, as a result of access to VAT registrations to update the new business register.

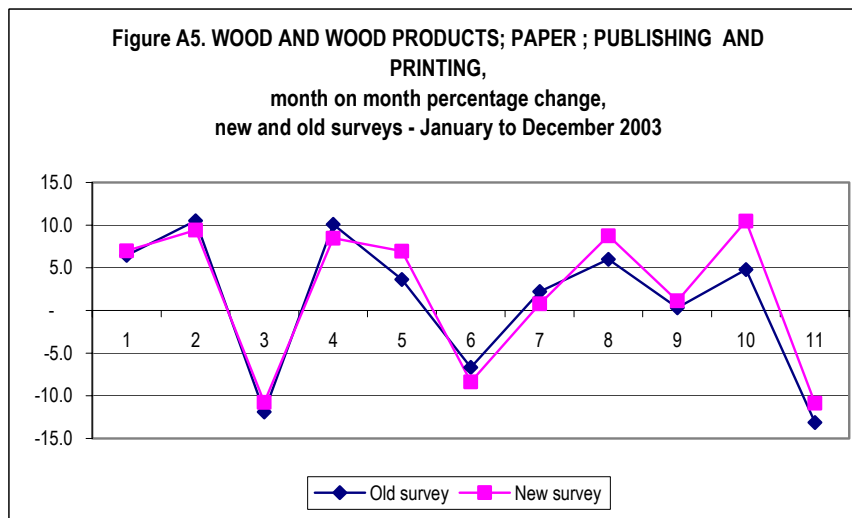
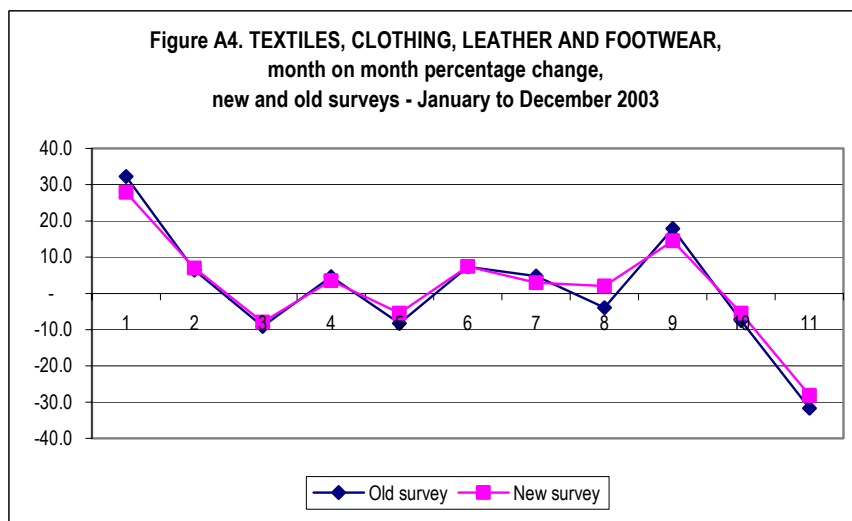
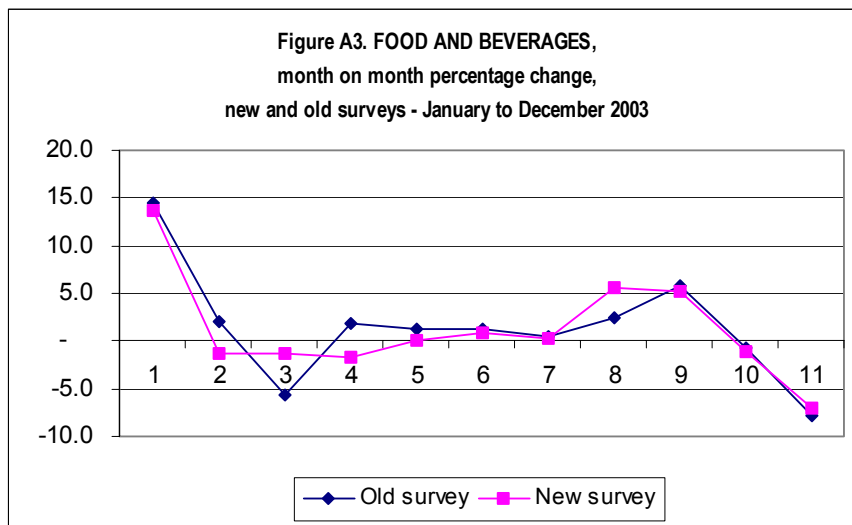
Comparison by SIC Division within manufacturing

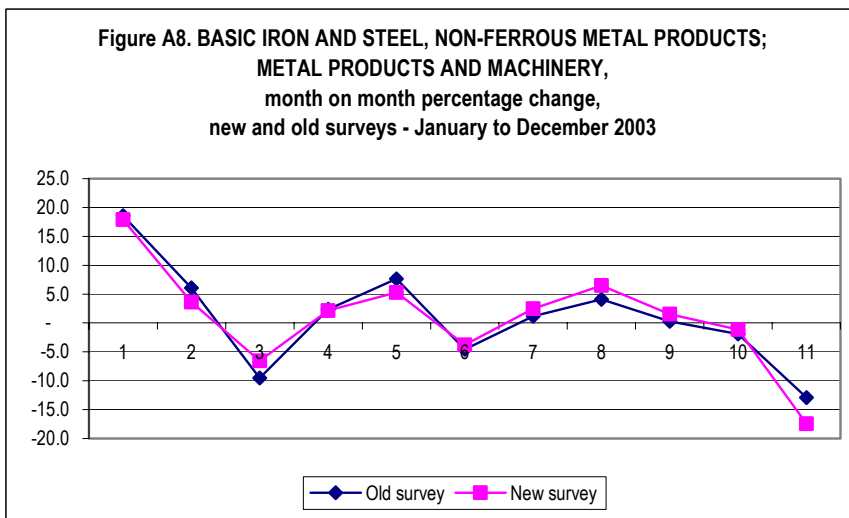
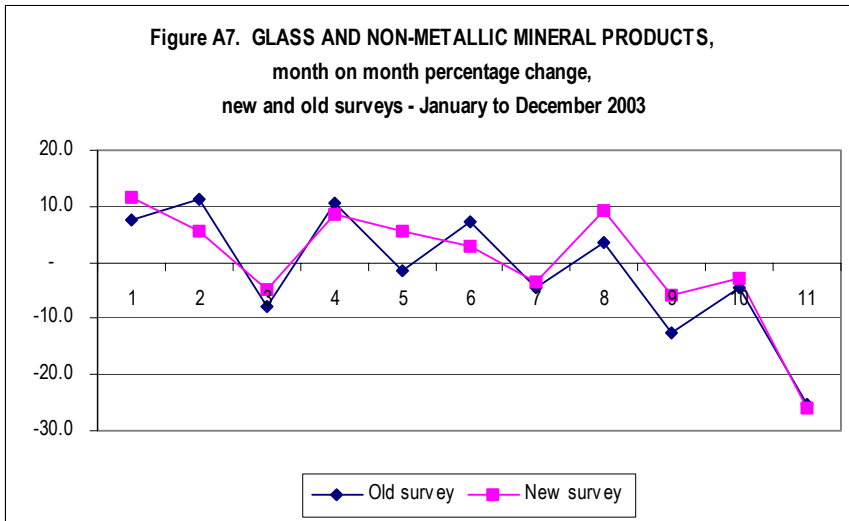
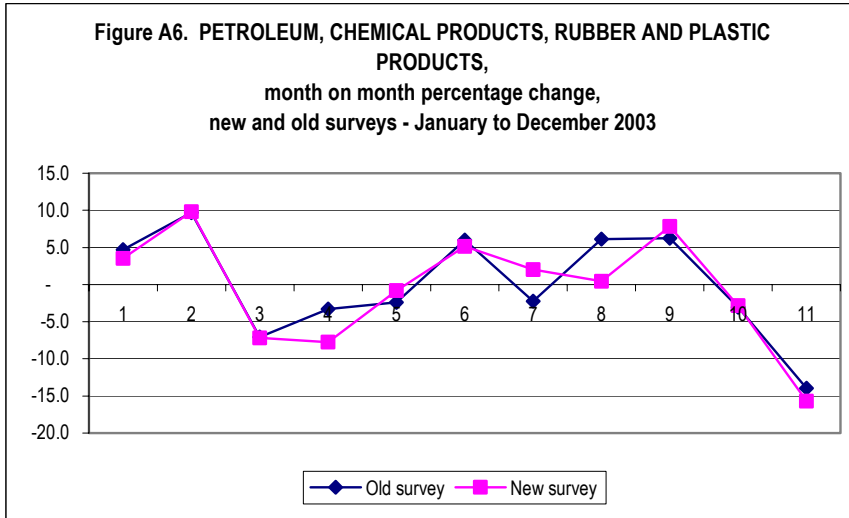
Table A1 shows the value of sales of manufacturing enterprises for 2003 from the old and new surveys, and percentage differences in level.

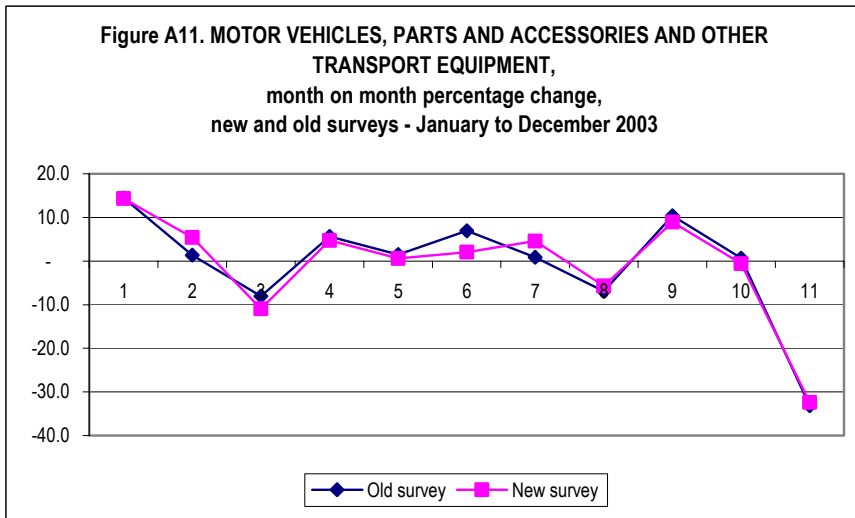
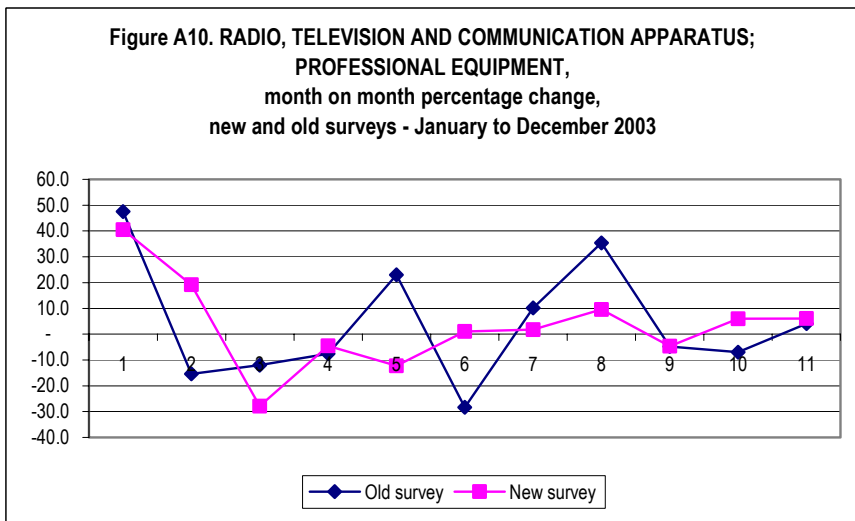
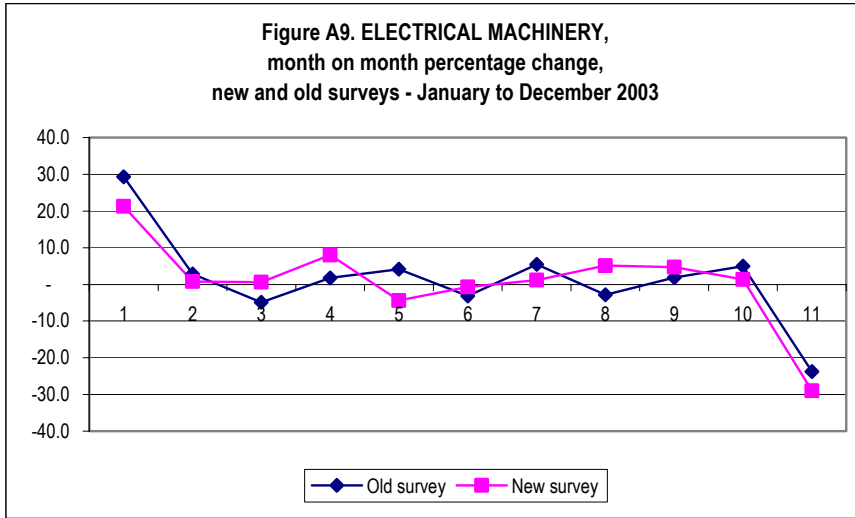
Table A1 SALES OF MANUFACTURING ENTERPRISES, old and new surveys - 2003

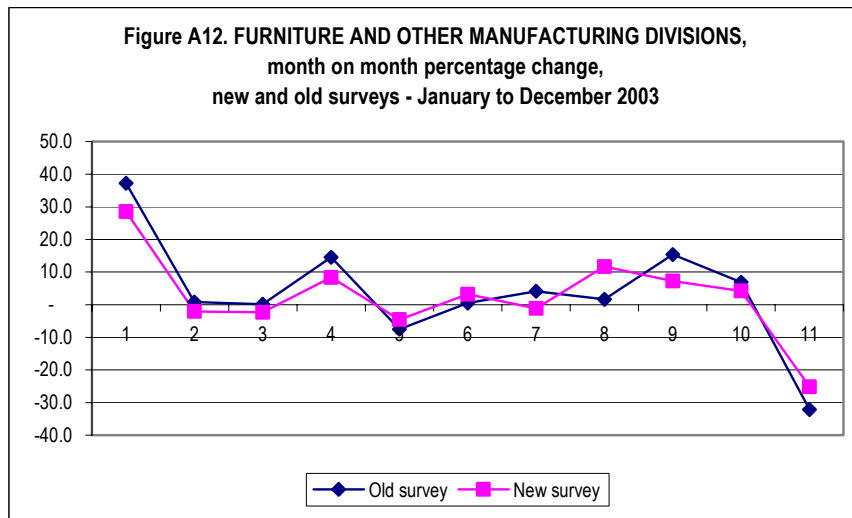
Division	Value of sales - old survey R million	Value of sales - new survey R' million	Percentage increase
Food and beverages	113 238	124 772	10,2
Textiles, clothing, leather and footwear	30 626	35 506	15,9
Wood and wood products; paper; publishing and printing	58 393	65 416	12,0
Petroleum, chemical products, rubber and plastic products	125 771	148 181	17,8
Glass and non-metallic mineral products	18 443	20 136	9,2
Basic iron and steel, non-ferrous metal products; metal products and machinery	135 213	154 880	14,5
Electrical machinery	17 322	20 906	20,7
Radio, television and communication apparatus; professional equipment	7 310	11 116	52,1
Motor vehicles, parts and accessories and other transport equipment	82 116	102 514	24,8
Furniture and other manufacturing industries	25 198	33 682	33,7
Total manufacturing	613 630	717 109	16,9

While the percentage differences vary somewhat across divisions, the movements in the new series track those in the old series reasonably well, as can be seen from figures 3 to 12.









Finer levels of detail

The time series from the previous survey based on the old business address register was produced at a somewhat greater level of industry detail. The new series will be published at a division level.

Further developments

As indicated earlier, the new business register is being further enhanced through access to the income tax records of businesses. In particular, this will provide a business register updating source for businesses too small to register for VAT. This will result in some further impacts on the levels of the manufacturing series. However, these are expected to be considerably smaller than those resulting from the move to the new business register described above. The impact of this further, and probably final, enhancement to the updating sources for the business register will be seen in estimates later in the year, which will be based on a refreshed sample drawn from the further enhanced business register. Stats SA will take appropriate action to measure and describe to users the differences in level resulting from the new sample, and will spread its impact appropriately over the time series, to ensure continuity in those series.

DETAILED TABLES

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

Base 2000 = 100							
Month	1998	1999	2000	2001	2002	2003	2004
Actual indices							
J	85,8	83,6	85,2	89,5	92,7	94,1	94,0
F	97,2	93,7	98,7	102,0	104,5	105,5	105,5
M	98,9	97,9	104,8	107,3	109,6	109,4	112,8 1/
A	92,3	90,7	89,0	94,6	105,2	100,7	
M	96,9	95,9	99,9	100,8	110,7	106,1	
J	99,6	94,8	102,1	105,0	106,7	105,6	
J	100,0	98,3	100,1	102,7	109,9	107,9	
A	95,6	97,7	102,5	102,6	111,9	106,3	
S	102,3	100,9	104,8	104,0	113,0	108,9	
O	106,9	107,3	109,8	115,5	120,6	117,7	
N	105,5	109,9	113,6	118,1	121,1	115,2	
D	81,8	86,3	89,5	91,3	92,6	91,3	
Year	96,9	96,4	100,0	102,8	108,2	105,7	
Seasonally adjusted indices							
J	99,1	96,4	97,5	102,2	105,6	107,2	106,8
F	98,7	95,2	100,1	103,6	105,8	106,9	106,9
M	96,6	95,4	101,6	103,6	105,4	105,1	108,5
A	96,3	95,0	93,6	99,9	111,8	106,7	
M	96,3	95,6	99,6	100,5	110,5	106,0	
J	98,8	94,1	101,2	104,2	105,9	104,8	
J	98,0	96,9	98,9	101,7	108,9	107,2	
A	94,2	96,3	100,9	100,9	109,8	104,3	
S	98,3	97,2	101,2	100,8	109,9	105,9	
O	95,9	96,8	99,4	104,6	109,1	106,5	
N	95,1	98,9	102,0	106,0	108,7	103,8	
D	95,0	100,6	103,7	105,2	106,8	104,7	

1/ Preliminary

Table 2 - Indices of the physical volume of manufacturing production by manufacturing division

Base 2000 = 100

Manufacturing divisions	Weights	Year	Actual indices				
			2003	March	January	February	March 1/
				2003	2004		
Food and beverages	15,3	105,9	109,6	97,8	105,1	115,3	
Textiles, clothing, leather and footwear	7,8	94,5	100,6	67,7	99,0	103,2	
Wood and wood products; paper; publishing and printing	11,4	101,1	103,5	97,1	99,4	105,2	
Petroleum, chemical products, rubber and plastic products	19,3	107,5	109,2	99,2	107,5	113,9	
Glass and non-metallic mineral products	4,5	103,6	106,5	91,4	97,1	105,9	
Basic iron and steel, non-ferrous metal products; metal products and machinery	23,6	111,8	117,4	101,8	111,1	120,0	
Electrical machinery	3,4	104,3	106,5	80,3	101,8	107,6	
Radio, television and communication apparatus; professional equipment	1,5	97,3	105,1	95,3	118,9	113,3	
Motor vehicles, parts and accessories and other transport equipment	9,1	107,6	113,4	87,2	108,7	116,0	
Furniture and other manufacturing divisions	4,1	98,7	95,0	80,4	95,4	100,7	
Total	100,0	105,7	109,4	94,0	105,5	112,8	

Table 2 - Indices of the physical volume of manufacturing production by manufacturing division (concluded)

Manufacturing divisions	Weights	Year	Seasonally adjusted indices				
			2003	March	January	February	March
				2003	2004		
Food and beverages	15,3	105,9	106,3	103,5	108,3	111,8	
Textiles, clothing, leather and footwear	7,8	94,5	94,5	95,6	97,5	97,3	
Wood and wood products; paper; publishing and printing	11,4	101,1	99,9	104,5	103,3	101,5	
Petroleum, chemical products, rubber and plastic products	19,3	107,5	106,8	107,0	108,4	111,1	
Glass and non-metallic mineral products	4,5	103,6	106,4	108,6	104,0	105,8	
Basic iron and steel, non-ferrous metal products; metal products and machinery	23,6	111,8	111,7	113,7	113,0	114,4	
Electrical machinery	3,4	104,3	102,3	98,4	100,6	104,0	
Radio, television and communication apparatus; professional equipment	1,5	97,3	96,4	101,2	107,2	104,0	
Motor vehicles, parts and accessories and other transport equipment	9,1	107,6	104,3	107,5	106,0	107,4	
Furniture and other manufacturing divisions	4,1	98,7	96,6	111,8	98,0	102,8	
Total	100,0	105,7	105,1	106,8	106,9	108,5	

1/ Preliminary

Table 3 - Total sales of manufacturing industry: (R'000)

Month	1998	1999	2000	2001	2002	2003	2004
Actual values							
J	30 576 822	31 165 950	33 906 711	40 233 251	47 375 894	51 643 823	52 541 243
F	35 498 013	36 217 248	41 487 385	46 701 165	55 226 455	59 099 962	60 406 324
M	38 210 216	38 782 180	45 391 460	51 045 548	58 657 750	61 384 235	65 081 779 1/
A	35 326 061	36 079 564	38 606 833	44 861 167	59 046 008	58 115 074	
M	35 971 768	38 617 164	43 799 078	48 988 234	61 240 265	58 700 877	
J	37 522 754	39 201 945	46 031 926	50 924 770	59 827 100	59 613 288	
J	37 828 313	39 493 231	43 083 506	48 906 488	61 523 700	60 397 962	
A	36 464 484	39 882 170	46 347 295	48 882 758	63 111 998	60 566 563	
S	39 084 148	42 233 261	47 362 496	50 070 717	65 371 794	61 812 044	
O	41 638 502	44 392 235	49 571 166	57 505 396	69 692 230	65 558 708	
N	40 834 784	45 966 203	52 246 640	58 662 310	69 910 936	64 569 771	
D	33 832 128	38 693 441	43 806 233	49 356 948	55 577 013	55 647 226	
Year	442 787 993	470 724 592	531 640 729	596 138 752	726 561 143	717 109 533	
Seasonally adjusted values							
J	37 083 799	37 546 680	40 520 478	47 517 191	55 766 377	60 540 686	61 481 003
F	36 366 605	37 115 506	42 434 243	47 823 241	56 403 812	60 333 743	61 759 401
M	36 533 638	37 164 225	43 432 755	49 029 130	56 456 661	59 293 145	63 141 051
A	37 287 532	38 150 404	40 911 038	47 586 102	62 917 216	61 779 286	
M	36 057 969	38 630 789	43 640 916	48 698 512	60 867 853	58 413 369	
J	36 880 657	38 486 789	45 111 855	49 959 717	58 840 623	58 773 253	
J	37 838 208	39 617 079	43 251 762	49 103 828	61 753 469	60 714 890	
A	35 866 360	39 301 303	45 700 005	48 126 332	62 048 205	59 565 011	
S	37 740 492	40 885 256	45 878 978	48 632 826	63 606 820	60 187 783	
O	37 303 288	40 000 212	44 984 383	52 291 349	63 443 155	59 683 743	
N	36 673 501	41 287 602	47 008 471	52 731 873	63 045 836	58 247 086	
D	37 190 338	42 439 368	47 883 097	53 442 288	60 535 286	60 522 859	

1/ Preliminary

Table 4 - Sales of manufactured products by manufacturing division (R'000)

Manufacturing divisions	Year	Actual values			
		March	January	February	March 1/
		2003	2004		
Food and beverages	124 771 847	10 558 211	9 661 406	10 567 132	11 041 103
Textiles, clothing, leather and footwear	35 505 661	3 139 019	2 157 828	2 997 914	3 234 600
Wood and wood products; paper; publishing and printing	65 416 117	5 498 167	5 012 571	5 237 869	5 641 696
Petroleum, chemical products, rubber and plastic products	148 180 564	13 023 936	11 058 462	12 467 549	13 192 911
Glass and non-metallic mineral products	20 136 354	1 576 509	1 451 966	1 697 294	1 876 635
Basic iron and steel, non-ferrous metal products; metal products and machinery	154 879 658	13 389 288	11 304 730	12 884 380	15 572 245
Electrical machinery	20 906 441	1 785 231	1 390 445	1 695 795	1 792 406
Radio, television and communication apparatus; professional equipment	11 116 190	1 044 003	894 945	1 207 368	1 151 932
Motor vehicles, parts and accessories and other transport equipment	102 514 318	9 191 580	7 170 365	8 577 170	8 961 247
Furniture and other manufacturing divisions	33 682 383	2 178 291	2 438 525	3 073 853	2 617 004
Total	717 109 533	61 384 235	52 541 243	60 406 324	65 081 779

Table 4 - Sales of manufactured products by manufacturing division (R'000) (concluded)

Manufacturing divisions	Actual values Year	Seasonally adjusted values			
		March	January	February	March
		2003	2004		
Food and beverages	124 771 847	10 081 518	10 577 675	11 171 859	10 917 416
Textiles, clothing, leather and footwear	35 505 661	2 953 130	3 181 662	3 086 194	3 066 565
Wood and wood products; paper; publishing and printing	65 416 117	5 324 489	5 600 421	5 513 488	5 484 443
Petroleum, chemical products, rubber and plastic products	148 180 564	12 949 394	12 437 986	12 792 297	13 077 553
Glass and non-metallic mineral products	20 136 354	1 581 048	1 809 218	1 819 695	1 887 651
Basic iron and steel, non-ferrous metal products; metal products and machinery	154 879 658	12 501 315	13 560 705	13 368 968	14 625 582
Electrical machinery	20 906 441	1 668 683	1 763 448	1 662 866	1 674 964
Radio, television and communication apparatus; professional equipment	11 116 190	919 923	988 872	1 027 552	1 021 976
Motor vehicles, parts and accessories and other transport equipment	102 514 318	8 405 646	8 588 856	8 350 399	8 316 437
Furniture and other manufacturing divisions	33 682 383	2 512 094	2 994 834	2 899 042	3 034 286
Total	717 109 533	59 293 145	61 481 003	61 759 401	63 141 051

1/ Preliminary

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 first results of a sample drawn from the new business register, with significantly 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 division within manufacturing. The release also provides information for 2003, on the behaviour in terms of level and movement, of the sales series based on the old and new business registers. The new series have been backcast to the start of 1998 to help users of time series. For the period 1998 to 2002, movements are those of the old series while the levels are backcast from January 2003 levels of the new survey. The corresponding levels are based on such movements.
 - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The indices in this statistical release have been based on information obtained from the new sample as from January 2003. The base period of the index is 2000. Both actual and seasonally adjusted figures are presented.
 - 3 As is usual, 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 developed a new business register, based on the value-added tax (VAT) database obtained from the South African Revenue Service (SARS), which replaced the previous business register. All enterprises are legally bound to register for VAT when their turnover for a period of twelve months equals or exceeds R300 000. Enterprises that conform to these criteria are included on the new business register, and hence were given a chance of selection in the new sample for the survey.
- Scope of the survey**
- 5 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**
- 6 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) level. Each enterprise is classified to an industry which reflects its predominant activity.
- Statistical unit**
- 7 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.
- Weighting methodology**
- 8 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 <http://www.statssa.gov.za/publications/publicationsearch.asp>.
 - 9 For indices, a weight is calculated for every division according to the value added of the division relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent Census of Manufacturing, in this instance the 1996 Census. 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.
- Survey methodology and**
- 10 The survey is conducted by mail on a monthly basis. Questionnaires are sent to a

- design** sample of just over 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.
- 11** The value of sales of manufactured products is obtained monthly from the sample of just over 3 000 enterprises, which was drawn in January 2003 from a population then of approximately 31 000 manufacturing enterprises. Each manufacturing division is divided into four size groups. The sample is drawn at the SIC two-digit level. All large enterprises (size group one), which comprise about one third of the enterprises in the current sample, 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 division is added to the weighted totals of size groups two, three and four of that division to reflect the total value of sales of the division.
- 12** The calculation of the monthly production indices is based on the value of products and articles manufactured, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For six of the ten SIC divisions 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.
- 13** More direct indicators are used for the production of coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles, bodies for motor vehicles, and parts and accessories for motor vehicles and other transport equipment. 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).
- Seasonal adjustment** **14** Seasonally adjusted estimates of all divisions 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 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** **15** The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates** **16** 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. Figures for the latest month are preliminary.
- 17** 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. Figures for the latest month are preliminary. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Revised figures** **18** Revised figures are due to respondents reporting revisions or corrections to their figures and late submission of their data to Stats SA. Figures for the latest month are preliminary. Data are edited at the enterprise level.

Related publications	19	<p>Users may also wish to refer to the following publications available from Stats SA -</p> <ul style="list-style-type: none"> • <i>Bulletin of Statistics</i> issued quarterly. • <i>SA Statistics</i> issued annually. <p>These will, in due course, be revised on the basis of the beckcast series.</p>																		
Rounding of figures	20	<p>The figures in the tables have, where necessary, been rounded to the nearest digit shown.</p>																		
Pre-release policy	21	<p>Stats SA's pre-release policy may be inspected at its Website, www.statssa.gov.za.</p>																		
Symbols and abbreviations	22	<table border="0"> <tr> <td>GDP</td> <td>Gross Domestic Product</td> </tr> <tr> <td>ISIC</td> <td>International Standard Industrial Classification</td> </tr> <tr> <td>m</td> <td>Million</td> </tr> <tr> <td>SIC</td> <td>Standard Industrial Classification of all Economic Activities</td> </tr> <tr> <td>SARS</td> <td>South African Revenue Service</td> </tr> <tr> <td>Stats SA</td> <td>Statistics South Africa</td> </tr> <tr> <td>VAT</td> <td>Value-added tax</td> </tr> <tr> <td>1/</td> <td>Preliminary figures</td> </tr> <tr> <td>*</td> <td>Revised figures</td> </tr> </table>	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
GDP	Gross Domestic Product																			
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Stats SA	Statistics South Africa																			
VAT	Value-added tax																			
1/	Preliminary figures																			
*	Revised figures																			
Comparability with previously published information	23	<p>As indicated earlier, the levels of sales of manufactured products for 2003 in this statistical release, based on the new sample, are about 17% higher than the levels previously published for total manufacturing.</p>																		
	24	<p>The higher values of manufacturers' sales from the new sample can mainly be attributed to the following:</p> <ul style="list-style-type: none"> • The greater currency of the frame now being used compared to the frame drawn from the previous business register; and • The improved coverage particularly for smaller enterprises as a result of access to VAT registrations to update the new business register. <p>As indicated earlier, for the majority of divisions within manufacturing, the calculation of the monthly production indices is based on the values of sales and stocks of manufactured products after the effect of price changes has been taken into account by deflation using appropriate indices of the Production Price Index (PPI). The level of the manufacturing production indices for past periods will not be affected by the greater currency and increased coverage of the new business register, as the previously published data will be revised by a constant factor to allow the indices to remain consistent with those previously published.</p>																		

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
Index of physical volume of manufacturing production	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 division is the ratio between the volume of production of a division in a given period and the volume of production of the same division in the base period. The base period is 2000. The production in the base period is set at 100.
Industry	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>Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC)</i> .
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none"> • purchases and transfers-in of materials; • payments to other establishments for work done; • other direct factory costs; • rent and leasing paid; • head office charges; • royalties, copyright, trade names and patent rights paid; • advertising; • insurance premiums; • services; and • secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none"> • sales and transfers-out of own manufactures, factory waste and stocks of factored goods; • repairs; • installation, erection and assembly; • sundry trading revenue; • sales of factored goods minus purchases of factored goods; • rent and leasing received; • royalties received; • difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods; • head office charges; and • other revenue. <p>Output excludes excise and customs duty paid.</p>
Value added	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.
Sales	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.
Statistical unit	A statistical unit is a unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data. <p>For the purpose of this publication, the statistical unit in the monthly Manufacturing: Production and Sales survey is the enterprise.</p>

Turnover

Turnover refers to -

- the value of sales;
- amounts received for work done;
- amounts received for services rendered.

Turnover excludes -

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

Weight

The weight of a division of manufacturing in the overall index for manufacturing is the ratio of the value added of the division (i.e. output of a division minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the division in the total. The ratios 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.

Annexure A

Table 1 - Indices of the total manufacturing industry

Base : 2000=100

Weight : 100,00

Actual indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	85,8	97,2	98,9	92,3	96,9	99,6	100,0	95,6	102,3	106,9	105,5	81,8	96,9
1999	83,6	93,7	97,9	90,7	95,9	94,8	98,3	97,7	100,9	107,3	109,9	86,3	96,4
2000	85,2	98,7	104,8	89,0	99,9	102,1	100,1	102,5	104,8	109,8	113,6	89,5	100,0
2001	89,5	102,0	107,3	94,6	100,8	105,0	102,7	102,6	104,0	115,5	118,1	91,3	102,8
2002	92,7	104,5	109,6	105,2	110,7	106,7	109,9	111,9	113,0	120,6	121,1	92,6	108,2
2003	94,1	105,5	109,4	100,7	106,1	105,6	107,9	106,3	108,9	117,7	115,2	91,3	105,7
2004	94,0	105,5	112,8										

Seasonally adjusted indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	99,1	98,7	96,6	96,3	96,3	98,8	98,0	94,2	98,3	95,9	95,1	95,0
1999	96,4	95,2	95,4	95,0	95,6	94,1	96,9	96,3	97,2	96,8	98,9	100,6
2000	97,5	100,1	101,6	93,6	99,6	101,1	98,9	100,9	101,2	99,4	102,0	103,7
2001	102,2	103,6	103,6	99,9	100,5	104,2	101,7	100,9	100,8	104,6	106,0	105,2
2002	105,6	105,8	105,4	111,8	110,5	105,9	108,9	109,8	109,9	109,1	108,7	106,8
2003	107,2	106,9	105,1	106,7	106,0	104,8	107,2	104,3	105,9	106,5	103,8	104,7
2004	106,8	106,9	108,5									

Annexure A

Table 2 - Indices of the food and beverages division

Base : 2000=100
Weight : 15,30

Actual indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	100,1	94,0	96,2	96,7	107,7	100,8	102,3	106,4	106,4	111,9	118,1	108,2	104,1
1999	102,1	94,8	104,6	95,0	100,1	97,5	98,3	98,7	100,6	112,9	116,5	112,2	102,8
2000	92,6	92,6	99,7	94,9	97,1	98,6	92,6	99,2	101,1	105,1	115,0	111,3	100,0
2001	99,6	106,5	107,1	102,2	98,9	101,5	96,8	102,1	106,3	113,1	117,7	115,3	105,6
2002	102,3	99,1	105,8	95,8	105,0	105,4	94,4	101,9	105,8	111,4	118,3	112,3	104,8
2003	96,5	104,8	109,6	97,2	103,4	102,3	105,4	101,0	109,4	115,4	116,1	109,1	105,9
2004	97,8	105,1	115,3										

Seasonally adjusted indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	106,0	102,9	97,4	103,6	107,4	104,1	107,2	106,8	105,6	103,1	104,4	98,6
1999	108,5	103,4	106,0	101,1	101,0	100,2	104,2	100,1	100,0	104,7	103,2	102,9
2000	98,0	99,9	100,4	101,0	98,8	100,6	99,0	101,1	100,3	97,8	101,7	103,2
2001	105,2	114,7	107,3	108,8	101,2	103,0	103,5	104,6	105,1	105,6	104,7	106,5
2002	108,0	103,7	104,2	102,3	108,6	106,4	102,0	104,9	104,5	104,1	105,5	104,3
2003	101,8	109,4	106,3	104,0	107,1	103,2	114,0	104,0	107,8	107,7	103,6	100,9
2004	103,5	108,3	111,8									

Annexure A

Table 3 - Indices of the textiles, clothing, leather and footwear division

Base : 2000=100 Weight : 7,82													
Actual indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	79,9	114,6	116,2	100,0	99,7	97,9	108,5	104,4	114,2	125,7	115,3	70,5	103,9
1999	69,3	96,6	108,8	97,6	102,4	96,8	109,7	111,1	113,1	128,7	124,8	75,9	102,9
2000	68,7	106,6	116,8	92,9	104,1	101,7	102,4	103,3	107,8	111,0	113,3	71,4	100,0
2001	68,0	93,4	106,3	90,5	99,2	100,4	95,8	101,7	100,9	111,7	118,5	71,4	96,5
2002	69,6	101,0	105,4	104,1	109,8	96,5	104,7	113,2	109,1	122,2	124,3	73,7	102,8
2003	75,4	103,7	100,6	89,9	94,3	88,8	98,7	99,2	96,0	118,4	102,4	67,0	94,5
2004	67,7	99,0	103,2										
Seasonally adjusted indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1998	113,7	112,8	107,4	104,4	99,2	103,1	104,3	98,7	103,7	103,0	98,5	100,1	
1999	99,2	95,5	100,4	102,2	101,8	101,6	105,9	105,1	103,6	106,4	105,9	106,9	
2000	98,0	105,7	108,1	97,5	102,2	105,7	99,3	97,5	99,9	92,5	95,5	99,0	
2001	96,7	92,5	98,9	94,8	96,3	104,1	93,2	95,7	94,4	93,8	99,6	98,7	
2002	98,6	99,7	98,4	109,4	106,1	100,0	102,2	106,3	103,2	102,8	104,4	101,4	
2003	106,8	101,7	94,5	94,5	91,1	92,4	96,6	92,9	90,9	99,5	85,6	90,9	
2004	95,6	97,5	97,3										

Annexure A

Table 4 - Indices of the wood and wood products; paper; publishing and printing division

Base : 2000=100 Weight : 11,37													
Actual indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	85,4	89,6	99,4	88,0	93,7	100,1	97,5	96,1	106,5	103,2	105,9	85,3	95,9
1999	85,4	89,9	103,1	93,7	100,4	97,3	100,4	99,8	100,7	106,7	113,7	89,7	98,4
2000	89,8	98,6	102,3	87,9	103,2	100,4	98,3	103,2	107,1	109,0	110,4	89,8	100,0
2001	93,2	92,9	102,0	91,3	100,2	99,2	95,9	95,5	101,0	104,9	110,3	84,7	97,6
2002	89,3	98,4	105,9	101,8	103,0	102,7	98,8	101,2	112,4	107,0	111,5	84,4	101,4
2003	93,3	95,9	103,5	94,6	100,3	104,4	98,2	100,8	103,7	110,1	113,2	95,2	101,1
2004	97,1	99,4	105,2										
Seasonally adjusted indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1998	95,6	94,5	97,4	92,3	94,4	98,7	95,4	94,2	102,2	94,0	95,2	96,5	
1999	95,4	94,8	100,3	98,8	100,3	96,0	99,1	98,3	96,5	98,2	102,6	101,5	
2000	99,4	103,8	98,6	92,7	102,2	98,9	98,0	102,5	102,8	101,4	99,4	100,8	
2001	101,8	97,2	98,3	96,6	98,8	97,4	96,6	95,4	97,0	97,8	99,2	95,8	
2002	96,7	102,5	102,3	108,0	101,4	100,7	100,0	101,5	108,0	99,8	100,2	95,4	
2003	100,5	99,3	99,9	100,4	98,7	102,1	99,7	101,1	99,5	102,7	101,9	107,7	
2004	104,5	103,3	101,5										

Annexure A

Table 5 - Indices of the petroleum, chemical products, rubber and plastic products division

Base : 2000=100
Weight : 19,25

Actual indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	84,9	100,2	97,0	94,9	94,7	99,4	98,7	90,4	100,3	110,3	107,1	83,4	96,8
1999	88,3	99,9	98,3	94,9	93,9	94,7	100,7	98,6	101,7	109,3	116,0	91,0	98,9
2000	88,3	98,2	98,6	90,8	98,2	101,6	100,2	104,0	100,7	111,9	115,0	92,6	100,0
2001	93,8	105,6	105,5	98,3	100,9	100,8	104,8	103,9	100,2	116,3	122,3	97,2	104,1
2002	106,8	111,8	114,9	112,2	116,1	110,7	114,3	111,8	115,2	124,8	122,4	97,7	113,2
2003	101,8	106,0	109,2	105,0	106,2	106,7	109,7	107,4	106,4	118,7	116,3	96,5	107,5
2004	99,2	107,5	113,9										

Seasonally adjusted indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	93,6	98,2	96,7	97,3	96,7	99,2	97,3	90,9	98,0	99,6	96,4	95,6
1999	96,9	98,4	97,8	97,6	95,9	95,0	100,0	99,1	99,9	99,0	104,0	103,9
2000	95,9	97,0	97,7	93,7	100,0	102,4	99,5	104,4	99,2	101,7	102,9	104,9
2001	101,7	105,2	104,2	101,7	102,3	101,8	104,2	104,1	98,8	105,6	109,7	109,1
2002	115,4	111,9	113,3	116,4	117,6	112,1	113,4	111,9	114,2	113,5	110,2	109,6
2003	110,2	106,4	106,8	108,8	107,2	107,8	108,9	107,5	105,6	107,8	105,3	108,5
2004	107,0	108,4	111,1									

Annexure A

Table 6 - Indices of the glass and non-metallic mineral products division

Base : 2000=100
Weight : 4,50

Actual indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	82,1	101,4	107,0	95,7	97,7	107,0	99,3	97,2	98,9	101,8	105,9	77,3	97,6
1999	77,5	82,0	90,0	84,0	90,5	93,1	90,4	93,6	94,8	96,1	107,8	69,7	89,1
2000	89,8	98,7	98,4	87,4	96,7	105,7	102,2	110,4	105,0	111,7	113,9	80,0	100,0
2001	84,6	97,8	99,8	93,9	105,2	109,8	106,1	109,4	109,6	119,2	120,8	79,1	102,9
2002	87,8	100,8	107,1	102,6	111,1	104,2	113,5	112,7	117,3	123,6	120,2	93,9	107,9
2003	88,2	97,0	106,5	100,0	102,4	110,5	109,1	98,3	107,8	122,2	114,3	87,3	103,6
2004	91,4	97,1	105,9										

Seasonally adjusted indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	99,0	103,0	104,8	101,5	97,7	99,3	96,3	92,5	94,4	92,2	93,9	97,3
1999	93,2	83,3	88,6	89,0	91,0	86,7	88,1	89,1	90,3	87,0	95,3	87,5
2000	108,0	101,1	97,2	92,5	96,5	98,7	100,2	105,2	99,8	100,4	100,5	99,9
2001	101,1	101,3	99,3	99,2	104,9	102,8	103,7	104,5	103,9	106,0	107,1	97,3
2002	104,4	105,7	107,0	108,5	110,7	97,9	110,8	107,8	111,2	108,6	107,3	116,2
2003	104,8	102,8	106,4	105,8	101,7	103,5	106,4	94,3	102,2	106,7	102,4	107,1
2004	108,6	104,0	105,8									

Annexure A

Table 7 - Indices of the basic iron and steel; non-ferrous metal products; metalproducts and machinery division

Base : 2000=100
Weight : 23,62

Actual indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	88,2	99,1	99,0	91,1	93,2	100,4	100,3	95,5	101,6	100,1	95,8	80,6	95,4
1999	79,8	92,0	93,3	85,8	94,5	91,3	95,0	92,6	97,0	96,6	96,8	81,4	91,3
2000	88,8	97,9	106,7	87,0	102,5	101,8	103,8	100,3	104,6	105,8	110,5	90,3	100,0
2001	93,3	100,8	108,1	93,7	98,9	112,0	107,7	110,9	106,2	113,0	114,7	95,0	104,5
2002	92,9	105,9	115,4	106,7	111,2	113,0	119,4	125,3	120,7	123,3	124,1	99,8	113,1
2003	99,6	111,4	117,4	105,3	115,0	113,6	114,5	114,4	114,8	119,9	119,6	96,3	111,8
2004	101,8	111,1	120,0										

Seasonally adjusted indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	99,4	100,2	95,8	94,3	91,8	97,7	96,4	94,4	97,2	92,8	91,4	93,1
1999	90,0	93,1	89,9	89,5	93,5	88,8	91,3	90,6	93,2	90,2	92,4	93,9
2000	99,3	99,2	103,0	91,9	101,8	99,0	99,8	97,1	101,1	99,0	104,9	104,1
2001	104,4	101,8	103,2	100,4	98,8	109,2	103,8	106,4	102,9	105,5	107,7	108,8
2002	104,1	107,2	109,9	116,4	111,6	110,0	115,2	119,7	117,3	115,0	116,3	114,5
2003	111,2	112,9	111,7	113,9	116,0	110,4	110,5	108,8	111,6	111,8	112,2	110,0
2004	113,7	113,0	114,4									

Annexure A

Table 8 - Indices of the electrical machinery division

Base : 2000=100
Weight : 3,45

Actual indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	80,6	99,3	94,7	90,5	103,8	101,9	108,6	98,4	106,3	108,2	108,7	71,4	97,7
1999	81,4	109,5	100,8	94,0	90,3	91,2	93,0	93,3	96,1	111,4	97,3	76,8	94,6
2000	83,2	98,8	105,0	86,5	98,4	110,9	100,6	95,1	109,6	116,3	103,9	91,5	100,0
2001	83,3	102,9	108,4	98,1	101,3	108,0	97,5	97,6	104,2	113,1	109,3	81,9	100,5
2002	83,6	98,8	103,2	104,9	110,2	107,0	107,5	109,6	100,9	114,6	119,3	83,4	103,6
2003	82,9	111,2	106,5	104,7	103,7	108,2	104,8	109,4	110,2	112,1	117,6	80,3	104,3
2004	80,3	101,8	107,6										

Seasonally adjusted indices

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	99,0	97,7	92,4	91,9	102,0	98,4	104,7	96,3	100,9	96,6	97,9	92,8
1999	99,2	107,9	97,4	96,9	89,3	87,7	90,1	92,7	91,5	99,1	88,4	97,5
2000	100,0	97,2	101,0	89,8	97,3	106,5	98,4	94,1	105,0	103,7	94,2	115,0
2001	99,8	101,5	104,1	101,4	100,5	103,5	95,9	96,3	100,5	100,7	98,9	102,2
2002	100,9	97,3	99,0	109,1	109,1	102,2	106,4	107,1	97,8	102,7	107,3	104,2
2003	99,6	109,8	102,3	108,0	102,4	103,4	103,8	106,3	106,6	100,9	105,4	100,1
2004	98,4	100,6	104,0									

Annexure A

Table 9 - Indices of the radio, television and communication apparatus; and professional equipment division

Base : 2000=100 Weight : 1,48													
Actual indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	71,5	94,8	96,7	81,4	107,4	119,3	111,4	99,9	105,0	96,6	107,1	77,1	97,4
1999	84,1	100,8	102,7	91,4	104,3	108,8	102,5	99,7	109,3	110,6	105,5	84,8	100,4
2000	95,2	105,7	111,3	94,2	93,3	99,4	105,9	105,7	113,5	95,3	99,0	81,6	100,0
2001	64,3	100,4	101,5	69,4	70,9	82,9	82,5	85,9	89,7	89,2	116,3	73,5	85,5
2002	86,8	98,1	97,7	89,4	81,6	90,1	91,9	93,9	98,0	102,8	88,8	85,7	92,1
2003	90,2	107,6	105,1	85,5	82,8	110,2	88,0	81,5	115,8	100,8	101,0	98,5	97,3
2004	95,3	118,9	113,3										
Seasonally adjusted indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1998	88,2	94,8	86,6	88,8	104,2	114,9	107,5	97,0	95,8	92,7	101,8	94,2	
1999	99,8	98,7	92,9	100,1	104,7	105,9	99,1	96,9	100,0	106,7	101,8	102,1	
2000	107,8	100,7	101,1	102,1	97,3	97,4	103,8	103,3	103,6	92,0	96,7	96,1	
2001	68,3	94,1	93,0	73,3	75,9	81,5	81,7	84,4	82,3	85,9	115,7	84,8	
2002	93,3	90,4	89,3	94,8	90,0	88,9	92,8	92,8	89,3	98,7	89,0	97,0	
2003	96,3	97,9	96,4	90,4	93,0	110,0	89,8	80,5	104,8	96,8	101,2	110,4	
2004	101,2	107,2	104,0										

Annexure A

Table 10 - Indices of the motor vehicles, parts and accessories; and other transport equipment division

Base : 2000=100 Weight : 9,06													
Actual indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	69,0	78,2	87,3	80,5	86,2	86,8	84,9	73,9	78,3	92,1	88,7	54,3	80,0
1999	69,5	84,3	84,2	82,7	86,8	91,0	92,2	92,1	94,7	99,2	102,6	67,1	87,2
2000	69,3	103,4	118,2	84,8	98,0	103,9	100,3	104,7	109,6	115,9	115,7	76,1	100,0
2001	86,4	112,8	124,7	95,4	113,1	114,0	112,2	91,5	109,9	139,6	123,4	75,9	108,2
2002	84,2	113,4	112,2	112,3	121,2	106,1	122,0	110,1	111,6	130,9	122,0	72,7	109,9
2003	91,2	108,2	113,4	105,7	110,8	102,8	115,6	115,5	118,4	123,7	114,0	71,8	107,6
2004	87,2	108,7	116,0										
Seasonally adjusted indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1998	82,5	77,2	82,3	81,4	80,6	83,3	81,2	72,4	77,1	80,6	80,7	82,1	
1999	84,0	82,2	78,0	84,8	82,2	87,5	88,4	90,9	92,5	86,9	92,5	101,0	
2000	84,3	99,9	108,3	87,4	93,6	100,9	95,9	102,9	106,4	101,3	104,1	111,5	
2001	106,7	108,4	113,8	98,8	108,1	112,8	106,8	90,1	106,7	121,5	111,3	111,3	
2002	103,3	109,3	101,7	117,0	116,0	107,0	116,0	107,1	108,5	113,6	110,2	105,3	
2003	111,7	105,0	104,3	109,5	105,3	104,3	109,5	112,0	115,0	106,9	103,0	104,4	
2004	107,5	106,0	107,4										

Annexure A

Table 11 - Indices of the furniture and other manufacturing industries (including tobacco products) division

Base : 2000=100 Weight : 4,14													
Actual indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year ave
1998	85,2	108,3	103,0	94,7	103,9	104,7	108,3	103,8	117,4	125,6	119,8	69,8	103,7
1999	77,0	93,0	97,0	83,0	99,7	103,3	103,0	107,1	118,5	124,4	124,7	75,5	100,5
2000	68,4	100,5	102,2	76,3	97,9	110,3	101,2	107,9	107,9	125,2	137,2	64,6	100,0
2001	66,5	97,5	100,2	76,9	101,7	103,7	105,7	99,2	101,6	126,8	133,8	70,2	98,7
2002	77,3	97,5	90,1	104,3	113,1	96,0	110,5	111,0	109,4	138,9	139,7	66,6	104,5
2003	78,8	100,8	95,0	95,3	106,2	98,1	107,3	98,7	101,2	121,5	119,1	61,9	98,7
2004	80,4	95,4	100,7										
Seasonally adjusted indices													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1998	119,1	106,1	103,9	104,6	103,8	103,3	101,7	98,9	106,9	100,2	96,2	104,8	
1999	111,0	92,4	97,8	92,9	99,1	101,1	97,5	102,4	108,1	98,7	98,1	115,3	
2000	97,8	101,2	103,1	86,1	96,2	107,5	96,3	103,7	99,5	99,3	106,8	95,2	
2001	95,0	99,6	101,5	85,7	98,6	101,0	100,3	95,8	95,1	100,4	102,9	103,9	
2002	110,3	99,9	91,7	115,8	108,9	94,1	104,8	107,9	104,0	110,1	107,2	98,9	
2003	109,5	102,8	96,6	106,3	101,9	96,8	101,4	96,6	97,1	96,2	91,4	87,8	
2004	111,8	98,0	102,8										

Annexure B

Table 1 - Total sales of the manufacturing industry

R million

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Tot
1998	30 577	35 498	38 210	35 326	35 972	37 523	37 828	36 464	39 084	41 639	40 835	33 832	442 788	
1999	31 166	36 217	38 782	36 080	38 617	39 202	39 493	39 882	42 233	44 392	45 966	38 693	470 725	
2000	33 907	41 487	45 391	38 607	43 799	46 032	43 084	46 347	47 362	49 571	52 247	43 806	531 641	
2001	40 233	46 701	51 046	44 861	48 988	50 925	48 906	48 883	50 071	57 505	58 662	49 357	596 139	
2002	47 376	55 226	58 658	59 046	61 240	59 827	61 524	63 112	65 372	69 692	69 911	55 577	726 561	
2003	51 644	59 100	61 384	58 115	58 701	59 613	60 398	60 567	61 812	65 559	64 570	55 647	717 110	
2004	52 541	60 406	65 082											

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	37 084	36 367	36 536	37 288	36 058	36 881	37 838	35 866	37 740	37 303	36 674	37 190
1999	37 547	37 116	37 170	38 150	38 630	38 487	39 617	39 301	40 885	40 000	41 288	42 439
2000	40 520	42 434	43 442	40 911	43 641	45 112	43 252	45 700	45 879	44 984	47 008	47 883
2001	47 517	47 825	49 066	47 586	48 699	49 960	49 104	48 126	48 633	52 291	52 732	53 442
2002	55 766	56 404	56 530	62 917	60 868	58 841	61 753	62 048	63 607	63 443	63 046	60 535
2003	60 541	60 334	59 293	61 779	58 413	58 773	60 715	59 565	60 188	59 684	58 247	60 523
2004	61 481	61 759	63 141									

Annexure B

Table 2 - Total sales of the food and beverages division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	6 634 033	6 275 157	6 416 935	6 552 438	6 593 571	6 466 825	6 891 317	6 928 808	6 939 376	7 792 698	7 918 373	7 678 904	83 088 442
1999	6 860 294	6 455 796	7 117 295	6 677 061	7 080 928	6 948 809	7 103 311	7 010 609	7 193 966	7 971 385	8 282 771	8 278 780	86 981 010
2000	6 617 854	6 683 213	7 282 549	7 156 175	7 295 100	7 460 672	7 026 873	7 575 993	7 448 431	7 953 881	8 681 286	8 651 648	89 833 681
2001	7 424 664	7 922 107	8 137 426	8 056 485	8 154 751	8 142 375	8 055 794	8 408 877	8 613 142	9 251 938	9 911 817	10 096 518	102 175 899
2002	8 755 982	8 421 141	9 632 938	9 192 742	10 116 319	10 309 137	9 748 479	10 308 058	10 587 563	11 282 440	11 795 916	11 693 035	121 843 756
2003	9 023 452	10 330 019	10 558 211	10 021 472	10 145 246	10 125 637	10 274 490	10 320 552	10 445 762	10 920 095	10 879 341	11 727 570	124 771 847
2004	9 661 406	10 567 132	11 041 103										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	7 152 587	6 586 548	6 177 246	6 499 718	6 567 048	6 518 317	6 812 528	6 682 041	6 822 281	6 867 674	6 810 204	6 753 571
1999	7 327 801	6 782 794	6 887 881	6 648 901	6 991 943	6 928 493	7 069 571	6 805 045	7 057 418	7 084 509	7 139 338	7 274 889
2000	7 025 156	6 993 422	7 052 957	7 159 533	7 168 639	7 384 782	7 027 267	7 342 877	7 260 356	7 146 970	7 455 898	7 558 318
2001	7 837 865	8 187 635	7 874 654	8 081 169	7 979 644	8 011 688	8 083 537	8 205 841	8 366 400	8 409 290	8 585 013	8 842 074
2002	9 264 272	8 745 954	9 375 976	9 306 481	9 924 084	10 102 012	9 896 291	10 122 489	10 262 883	10 339 570	10 281 690	10 253 313
2003	9 604 052	10 761 066	10 081 518	10 105 297	9 936 722	9 948 866	10 316 883	10 169 346	10 363 219	10 278 939	9 742 793	10 478 201
2004	10 577 675	11 171 859	10 917 416									

Annexure B

Table 3 - Total sales of the textiles, clothing, leather and footwear division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	2 003 269	3 023 194	3 291 509	2 828 990	2 854 495	2 773 567	3 016 449	2 940 399	3 160 587	3 601 663	3 291 723	2 027 570	34 813 422
1999	1 780 946	2 746 706	3 062 696	2 939 011	2 982 693	2 844 841	3 183 979	3 088 359	3 320 552	3 676 448	3 629 105	2 390 193	35 645 535
2000	1 943 619	3 027 457	3 477 171	2 888 964	3 110 840	3 202 075	2 971 921	3 045 479	3 229 387	3 307 315	3 343 310	2 250 313	35 797 859
2001	1 966 310	2 958 043	3 456 484	2 965 298	3 181 431	3 335 797	3 127 431	3 303 238	3 246 422	3 653 177	4 020 297	2 503 404	37 717 338
2002	2 234 671	3 376 666	3 717 133	3 792 561	3 905 374	3 591 441	3 815 147	4 123 085	4 012 082	4 466 740	4 673 721	2 893 796	44 602 424
2003	2 244 039	2 966 596	3 139 019	2 898 711	3 029 839	2 848 463	3 052 249	3 146 515	3 027 211	3 493 099	3 291 698	2 368 222	35 505 661
2004	2 157 828	2 997 914	3 234 600										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	3 080 910	3 029 237	2 961 808	2 849 708	2 785 961	2 825 515	2 974 802	2 812 750	2 894 251	3 017 636	2 797 109	2 774 077
1999	2 760 857	2 773 183	2 766 416	2 966 245	2 907 633	2 896 114	3 141 266	2 959 183	3 059 674	3 094 776	3 055 275	3 205 572
2000	2 974 924	3 080 465	3 169 287	2 931 077	3 019 616	3 239 743	2 929 204	2 903 972	3 001 820	2 800 049	2 797 026	2 977 486
2001	2 965 867	3 030 601	3 187 714	3 022 247	3 075 679	3 354 340	3 076 724	3 123 021	3 040 463	3 114 790	3 336 936	3 285 736
2002	3 339 688	3 475 848	3 465 783	3 891 240	3 766 567	3 602 630	3 745 166	3 875 245	3 794 485	3 810 421	3 860 798	3 828 574
2003	3 326 645	3 053 936	2 953 130	2 966 283	2 945 171	2 908 911	3 028 008	2 967 014	2 882 162	2 976 601	2 698 788	3 016 228
2004	3 181 662	3 086 194	3 066 569									

Annexure B

Table 4 - Total sales of the wood and wooden products; paper; publishing and printing division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	2 833 718	3 206 163	3 624 613	3 063 196	3 367 130	3 588 916	3 536 244	3 585 407	4 005 481	3 782 388	3 985 341	3 244 409	41 823 013
1999	3 073 036	3 411 545	3 936 515	3 615 163	3 890 877	3 754 463	3 767 885	3 752 319	3 985 918	4 116 092	4 473 956	3 713 332	45 491 107
2000	3 463 720	3 874 839	4 245 582	3 595 432	4 137 703	4 112 929	3 986 777	4 062 867	4 557 270	4 477 312	4 845 152	3 975 403	49 334 992
2001	3 975 458	4 018 321	4 516 111	3 905 469	4 467 584	4 473 535	4 308 635	4 340 463	4 724 006	4 901 282	5 317 581	4 254 568	53 203 019
2002	4 255 230	4 726 336	5 177 531	5 198 360	5 138 805	5 178 161	5 133 471	5 265 562	6 040 439	5 751 194	6 038 158	4 673 408	62 576 661
2003	4 759 130	5 075 532	5 498 167	4 995 258	5 431 998	5 687 863	5 568 682	5 470 928	5 738 513	5 795 966	6 060 106	5 333 974	65 416 117
2004	5 012 571	5 237 869	5 641 696										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	3 296 839	3 363 520	3 518 703	3 271 226	3 376 797	3 556 139	3 534 384	3 571 426	3 753 493	3 475 402	3 529 472	3 521 421
1999	3 556 902	3 590 726	3 801 091	3 873 418	3 862 503	3 709 583	3 789 473	3 764 277	3 736 074	3 811 908	3 958 384	4 033 467
2000	3 965 596	4 086 385	4 084 121	3 863 817	4 059 210	4 055 194	4 028 777	4 103 748	4 283 117	4 189 290	4 272 564	4 307 316
2001	4 500 601	4 236 203	4 348 320	4 214 757	4 354 709	4 409 049	4 365 985	4 398 551	4 448 695	4 595 029	4 673 872	4 640 755
2002	4 774 413	4 974 226	4 993 960	5 629 197	5 008 355	5 096 389	5 206 925	5 344 192	5 692 669	5 379 211	5 301 692	5 106 554
2003	5 328 754	5 335 835	5 324 489	5 401 805	5 299 552	5 592 497	5 626 441	5 544 075	5 416 476	5 411 659	5 329 989	5 856 450
2004	5 600 421	5 513 488	5 484 443									

Annexure B

Table 5 - Total sales of the petroleum, chemical products, rubber and plastic products division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	6 085 916	7 102 634	7 223 845	6 937 302	6 956 896	7 267 283	7 211 678	6 987 995	7 883 746	8 065 722	8 065 857	6 342 758	86 131 640
1999	6 180 735	6 915 337	7 292 681	7 062 243	7 309 167	7 584 704	7 713 812	7 861 779	8 483 211	9 106 329	9 577 780	8 186 065	93 273 849
2000	7 006 805	8 327 363	8 767 308	8 106 019	8 670 118	9 395 857	8 949 140	10 009 892	9 723 674	11 045 909	10 932 001	9 225 036	110 159 126
2001	9 206 521	9 966 272	10 265 558	9 761 973	10 308 536	10 396 409	10 907 831	10 802 420	10 092 129	12 235 481	12 306 601	10 573 149	126 822 886
2002	10 840 019	11 927 835	12 227 269	12 745 889	13 018 165	12 523 921	13 436 055	13 628 132	13 823 462	15 107 169	14 861 688	11 513 647	155 653 255
2003	11 397 935	11 806 615	13 023 936	12 938 678	11 902 673	11 831 066	12 447 471	12 189 739	12 715 249	13 694 542	12 971 464	11 261 196	148 180 564
2004	11 058 462	12 467 549	13 192 911										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	7 118 068	7 193 990	7 156 958	7 225 832	7 157 368	7 179 517	7 246 778	6 892 132	7 602 570	7 103 135	7 226 294	6 983 833
1999	7 180 619	7 042 746	7 194 417	7 368 812	7 505 203	7 549 191	7 750 743	7 737 216	8 229 933	8 043 513	8 589 764	8 949 433
2000	8 003 401	8 537 258	8 719 801	8 433 513	8 863 238	9 392 849	8 947 720	9 803 102	9 505 598	9 812 738	9 884 670	9 999 860
2001	10 354 011	10 245 770	10 237 182	10 114 440	10 488 582	10 483 357	10 855 277	10 571 350	9 923 700	10 870 300	11 114 500	11 502 411
2002	12 170 830	12 244 067	12 171 875	13 178 878	13 200 283	12 731 080	13 280 494	13 352 706	13 659 682	13 459 950	13 495 989	12 552 408
2003	12 805 963	12 086 154	12 949 394	13 333 813	12 037 333	12 077 999	12 301 939	11 991 852	12 559 144	12 163 617	11 722 963	12 325 888
2004	12 437 986	12 792 297	13 077 553									

Annexure B

Table 6 - Total sales of the glass and non-metallic mineral products division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	824 617	1 042 775	1 085 084	1 012 725	1 015 559	1 060 594	1 078 210	1 034 328	1 105 108	1 121 661	1 126 458	797 704	12 304 831
1999	760 830	949 771	1 020 120	931 541	979 213	1 014 398	1 007 526	1 056 193	1 127 127	1 177 561	1 274 383	817 631	12 116 299
2000	907 660	1 038 554	1 128 274	991 781	1 187 354	1 246 968	1 180 168	1 327 726	1 256 034	1 393 232	1 453 367	979 825	14 090 950
2001	998 482	1 237 842	1 331 581	1 177 381	1 300 805	1 421 422	1 328 693	1 424 573	1 399 655	1 623 783	1 603 301	1 165 641	16 013 163
2002	1 145 490	1 396 124	1 492 794	1 492 568	1 600 336	1 481 228	1 693 600	1 695 185	1 771 465	1 887 960	1 849 485	1 379 741	18 885 981
2003	1 344 993	1 499 312	1 576 509	1 560 418	1 656 182	1 746 721	1 794 637	1 731 074	1 841 598	1 949 941	1 932 865	1 502 104	20 136 354
2004	1 451 966	1 697 294	1 876 635										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	1 045 453	1 074 344	1 067 815	1 075 324	1 022 842	1 020 976	1 032 581	980 820	1 016 030	988 173	971 168	1 029 144
1999	969 772	983 525	1 002 767	993 644	983 976	972 560	968 878	1 000 485	1 041 750	1 031 655	1 098 795	1 044 317
2000	1 155 307	1 081 230	1 108 164	1 061 779	1 183 422	1 188 731	1 140 578	1 252 899	1 169 012	1 216 879	1 257 928	1 238 770
2001	1 264 626	1 297 248	1 325 900	1 265 152	1 294 974	1 356 420	1 283 325	1 340 411	1 307 969	1 408 652	1 393 441	1 450 221
2002	1 438 465	1 469 760	1 499 368	1 607 996	1 592 568	1 414 007	1 632 425	1 592 051	1 660 815	1 631 928	1 620 436	1 718 019
2003	1 676 881	1 583 327	1 581 048	1 682 421	1 640 252	1 652 602	1 725 222	1 625 188	1 731 341	1 685 949	1 706 759	1 850 803
2004	1 809 218	1 819 695	1 887 651									

Annexure B

Table 7 - Total sales of the basic iron and steel, non-ferrous metal products, metal products and machinery division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	6 303 614	7 365 447	8 326 888	7 257 909	7 276 309	8 282 218	7 726 090	7 747 279	8 102 475	8 316 652	7 657 106	7 405 755	91 767 748
1999	6 030 903	7 369 892	7 865 223	7 149 828	7 763 039	8 031 799	7 617 959	7 696 273	8 464 548	8 107 820	8 532 277	7 399 591	92 029 157
2000	6 603 206	8 228 541	9 476 720	7 481 552	9 153 682	9 191 657	8 513 125	8 960 594	9 584 101	9 623 503	10 049 790	9 347 306	106 213 782
2001	7 561 562	8 551 366	10 496 881	8 706 261	9 538 593	10 272 864	9 230 714	10 287 001	9 979 559	11 084 514	11 038 744	10 768 157	117 516 223
2002	9 497 278	11 002 746	12 158 699	11 958 498	12 164 246	12 723 969	12 612 137	13 368 441	13 796 874	13 975 931	14 272 312	12 077 700	149 608 835
2003	10 643 108	12 696 360	13 389 288	12 225 069	12 648 044	13 494 334	12 951 812	13 287 195	13 779 685	13 995 823	13 931 555	11 837 385	154 879 658
2004	11 304 730	12 884 380	15 572 245										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	7 606 534	7 566 724	7 618 745	7 767 694	7 189 080	7 833 868	7 918 711	7 601 748	7 759 440	7 664 423	7 189 058	7 968 084
1999	7 351 542	7 581 928	7 258 786	7 655 528	7 694 390	7 624 634	7 830 752	7 523 299	8 109 087	7 544 069	8 020 869	7 842 412
2000	8 002 658	8 447 973	8 743 491	8 041 997	9 091 912	8 718 997	8 751 326	8 729 874	9 176 331	9 029 567	9 449 193	9 744 866
2001	9 142 858	8 809 652	9 688 133	9 375 626	9 502 625	9 776 387	9 475 279	9 986 630	9 581 673	10 413 806	10 288 898	10 958 788
2002	11 435 190	11 348 356	11 324 266	12 976 658	12 145 110	12 133 856	12 962 089	12 945 706	13 267 601	13 119 376	13 339 365	12 477 333
2003	12 680 029	13 105 385	12 501 315	13 167 537	12 639 269	12 909 818	13 258 178	12 786 873	13 245 047	13 089 437	12 975 873	12 402 724
2004	13 560 705	13 368 968	14 625 582									

Annexure B

Table 8 - Total sales of the electrical machinery division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	897 103 1	170 964 1	174 037 1	134 537 1	267 879 1	193 441 1	323 906 1	234 588 1	271 469 1	344 253 1	334 818	909 488	14 256 488
1999	1 040 571 1	383 611 1	241 087 1	152 524 1	158 025 1	171 976 1	225 542 1	214 653 1	294 194 1	316 921 1	301 998 1	078 631	14 579 738
2000	1 045 932 1	301 719 1	359 593 1	181 197 1	323 391 1	446 089 1	311 121 1	399 922 1	481 168 1	551 885 1	531 890 1	320 832	16 254 745
2001	1 110 603 1	447 052 1	566 253 1	301 240 1	409 041 1	539 923 1	441 080 1	438 287 1	523 061 1	538 915 1	663 934 1	261 784	17 241 178
2002	1 198 390 1	598 948 1	811 901 1	588 829 1	818 671 1	770 667 1	806 478 1	825 128 1	735 349 1	867 702 2	108 210 1	454 124	20 584 404
2003	1 397 765 1	753 246 1	785 231 1	732 679 1	754 903 1	812 224 1	797 805 1	828 216 1	764 766 1	867 034 1	898 402 1	514 170	20 906 441
2004	1 390 445 1	695 795 1	792 406										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	1 159 437 1	160 828 1	148 719 1	174 804 1	220 376 1	148 026 1	262 377 1	197 345 1	199 249 1	226 970 1	206 916 1	133 198
1999	1 331 885 1	355 360 1	201 177 1	204 585 1	124 621 1	124 634 1	184 063 1	182 491 1	223 567 1	210 139 1	181 904 1	323 997
2000	1 319 459 1	264 005 1	298 802 1	252 764 1	296 476 1	385 303 1	279 960 1	366 670 1	405 890 1	434 135 1	388 787 1	601 429
2001	1 394 538 1	409 632 1	480 665 1	377 809 1	382 510 1	469 020 1	417 788 1	399 769 1	454 716 1	424 841 1	501 104 1	512 527
2002	1 516 980 1	559 989 1	698 110 1	688 744 1	786 587 1	675 709 1	784 515 1	773 878 1	669 107 1	735 421 1	890 254 1	752 059
2003	1 763 824 1	711 555 1	668 683 1	860 648 1	722 997 1	713 133 1	773 111 1	777 609 1	705 273 1	746 774 1	697 868 1	810 205
2004	1 763 448 1	662 866 1	674 964									

Annexure B

Table 9 - Total sales of the radio, television and communication apparatus; and professional equipment division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	462 758	649 677	621 353	568 401	730 701	825 965	794 571	701 572	750 195	722 541	747 706	580 814	8 156 261
1999	602 031	721 542	726 979	630 252	710 724	818 365	763 785	778 485	751 805	730 511	714 592	628 657	8 577 734
2000	643 882	757 361	900 236	684 509	738 107	786 029	747 344	912 206	885 869	644 801	698 078	643 049	9 041 478
2001	693 307	812 470	785 144	531 485	551 116	715 238	584 906	719 272	641 344	662 546	789 062	672 729	8 158 627
2002	671 983	862 192	863 364	758 515	783 146	908 235	746 528	843 871	962 370	954 536	866 052	839 383	10 060 182
2003	805 164 1	105 939 1	044 003	924 353	892 332	854 954	757 277	811 751	985 670 1	011 164	987 929	935 654	11 116 190
2004	894 945 1	207 368 1	151 932										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	581 262	646 441	516 046	644 901	763 704	750 543	793 730	652 859	713 906	713 512	726 796	698 906
1999	727 558	695 982	613 704	708 728	739 276	739 794	771 583	727 364	716 793	737 101	713 208	738 398
2000	750 237	701 250	768 930	758 900	772 784	714 505	777 302	863 254	845 671	654 001	701 168	737 381
2001	786 268	727 947	685 151	570 282	570 034	662 102	625 323	696 828	614 156	670 997	803 576	757 900
2002	745 793	753 318	758 052	804 510	819 949	857 569	829 765	828 431	917 667	960 044	879 694	922 448
2003	889 406	943 671	919 923	977 582	939 376	810 463	854 464	803 407	944 908 1	012 277	998 371 1	022 733
2004	988 872 1	027 552 1	021 976									

Annexure B

Table 10 - Total sales of the motor vehicles, parts and accessories and other transport equipment division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	3 110 907	3 860 315	4 626 783	4 206 348	4 143 071	4 188 990	4 228 954	3 559 661	3 789 937	4 518 362	4 494 980	3 072 004	47 800 319
1999	3 247 053	4 394 995	4 662 468	4 149 904	4 680 219	4 977 322	4 980 900	5 264 208	5 272 807	5 657 458	5 616 595	4 087 452	56 991 385
2000	3 960 351	5 907 470	6 585 264	4 643 653	5 829 885	6 491 166	5 973 383	6 462 983	6 615 340	6 752 827	7 403 211	5 256 084	71 881 623
2001	5 342 628	6 976 391	8 065 032	5 952 987	7 182 064	7 790 687	7 412 598	5 588 823	7 491 785	9 592 876	8 800 819	5 557 656	85 754 351
2002	6 580 169	8 716 301	9 009 606	9 175 042	9 510 237	8 464 080	9 420 892	8 847 811	9 563 878	10 728 473	9 759 162	6 480 109	106 255 766
2003	7 606 948	8 804 971	9 191 580	8 072 671	8 492 599	8 540 329	8 800 445	9 082 789	8 620 751	9 474 011	9 393 995	6 433 229	102 514 318
2004	7 170 365	8 577 170	8 961 247										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	3 949 963	3 720 256	4 184 252	4 562 829	3 988 947	3 993 130	4 061 875	3 513 152	3 727 660	3 959 438	4 106 658	4 169 380
1999	4 091 878	4 238 167	4 151 322	4 522 758	4 521 459	4 690 315	4 784 537	5 243 170	5 190 907	4 991 662	5 092 322	5 503 916
2000	4 933 262	5 709 021	5 842 470	5 086 925	5 645 214	6 149 780	5 763 910	6 498 218	6 462 906	5 983 925	6 677 957	7 060 424
2001	6 560 549	6 732 859	7 223 541	6 558 792	6 967 318	7 390 695	7 189 781	5 597 194	7 292 157	8 511 453	7 921 095	7 426 304
2002	7 991 505	8 423 447	8 127 949	10 194 281	9 251 245	8 078 538	9 141 984	8 756 976	9 299 287	9 485 950	8 765 016	8 727 855
2003	9 147 528	8 544 088	8 405 646	8 958 531	8 242 001	8 156 275	8 517 514	8 974 053	8 388 928	8 339 366	8 409 011	8 681 200
2004	8 588 856	8 350 399	8 316 437									

Annexure B

Table 11 - Total sales of the furniture and other manufacturing industries (including tobacco products) division

R'000

Actual values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Tot
1998	1 366 771	1 738 020	1 750 912	1 684 357	1 685 359	1 786 443	1 930 681	1 663 550	1 983 015	2 281 341	2 132 324	1 700 179	21 702 952
1999	1 526 975	1 808 549	1 772 889	1 705 956	1 975 136	1 966 170	2 043 966	2 063 195	2 233 992	2 424 262	2 435 148	2 023 884	23 980 122
2000	1 637 478	2 245 355	2 028 584	1 783 195	2 227 284	2 533 411	2 277 421	2 445 121	2 427 754	2 669 671	3 102 740	2 047 160	27 425 174
2001	1 839 865	2 648 479	2 245 641	2 331 987	2 700 467	2 640 164	2 356 962	2 428 144	2 233 246	2 789 843	3 023 360	2 334 215	29 572 373
2002	2 081 975	2 978 524	2 373 296	2 907 106	2 971 313	2 668 693	2 913 307	2 990 660	2 878 838	3 445 058	3 473 777	2 405 671	34 088 218
2003	2 421 289	3 061 372	2 178 291	2 745 765	2 747 061	2 671 697	2 953 094	2 697 804	2 892 839	3 357 033	3 222 416	2 733 722	33 682 383
2004	2 438 525	3 073 853	2 617 004										

Seasonally adjusted values

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	1 871 460	1 789 240	1 916 715	1 927 896	1 748 502	1 867 285	1 954 077	1 723 979	2 002 809	2 004 552	1 908 822	1 936 097
1999	2 039 811	1 836 553	2 003 666	1 933 810	2 033 555	2 030 205	2 075 199	2 131 614	2 274 758	2 154 898	2 197 860	2 303 188
2000	2 193 633	2 265 682	2 355 021	2 037 393	2 292 318	2 630 192	2 377 741	2 564 666	2 510 768	2 429 140	2 808 723	2 372 151
2001	2 465 575	2 714 721	2 686 049	2 682 762	2 786 211	2 753 230	2 479 481	2 545 446	2 319 407	2 563 782	2 716 475	2 793 763
2002	2 778 969	3 090 353	2 880 460	3 343 868	3 046 450	2 806 309	3 079 913	3 187 312	3 039 678	3 183 750	3 095 652	2 848 782
2003	3 003 681	2 875 146	2 512 094	2 942 684	2 627 991	2 651 387	2 922 972	2 684 749	2 876 993	2 903 826	2 713 321	3 048 189
2004	2 994 834	2 899 042	3 034 286									

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