

Manufacturing: production and sales

Statistical release

P3041.2

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Actual estimates	February 2000	% change between February 1999 and February 2000	% change between December 1998 to February 1999 and December 1999 to February 2000	% change between January 1999 to February 1999 and January 2000 to February 2000
Physical volume of manufacturing production index (1995=100)	101,5	+3,6	+3,9	+2,8
Total value of sales of manufactured products (R million)	34 671,4	+13,5	+11,7	+11,1

Seasonally adjusted estimates	February 2000	% change between January 2000 and February 2000	% change between September 1999 to November 1999 and December 1999 to February 2000
Physical volume of manufacturing production index (1995=100)	103,2	+0,9	+1,0
Total value of sales of manufactured products (R million)	35 654,8	+3,7	+2,7

Key findings for the month ended February 2000

MANUFACTURING PRODUCTION INCREASES

Manufacturing production for the three months up to February 2000 reflected an increase of 1,0% after seasonal adjustment compared with the previous three months. Higher manufacturing production was reported in 18 of the 27 manufacturing major divisions.

The major contributors to the increase of 1,0% after seasonal adjustment in the total manufacturing production were the motor vehicle division (+0,5 of a percentage point), followed by the basic iron and steel products (+0,3 of a percentage point), the paper and paper products (+0,3 of a percentage point), the plastic products (+0,3 of a percentage point), and the fabricated metal products (+0,3 of a percentage point) divisions (cf. table A).

The total value of sales of manufactured products reflected an increase of 2,7% (R2 745 million) after seasonal adjustment for the three months up to February 2000 compared with the previous three months. The largest increases were reported by the basic iron and steel (+10,4% or R714 million), the paper and paper products (+10,2% or R518 million), the coke and refined petroleum products (+5,8% or R331 million) and electrical machinery (+11,0% or R322 million) divisions during this period.

Notes

Forthcoming issues Issue Expected release date

March 2000 9 May 2000

Purpose of the survey The monthly Manufacturing Production and Sales Survey is a country-wide sample survey covering a sample of private establishments, public corporations and government establishments operating in the manufacturing industry in the South African economy. The results of this survey are used to calculate physical volume of manufacturing production indices in order to estimate the gross domestic product (GDP) to monitor and develop Government policy.

Additional information

Explanatory notes

Introduction 1 Statistics South Africa (Stats SA) conducts a monthly sample survey of the manufacturing industry covering private manufacturing establishments (branches), public corporations and government establishments. This statistical release contains detailed information regarding indices of the physical volume of manufacturing production, the total value of sales of manufactured products and unfilled orders, according to manufacturing divisions and major groups on a monthly basis.

2 In accordance to international practice, the indices have to be rebased every five years to a new base year. The indices in this statistical release have been calculated on the basis of 1995=100 since November 1997. Both actual and seasonally adjusted figures are presented.

3 In order to improve timeliness, some information for the current month may have been estimated due to late response. These estimates will be revised in the future statistical release(s) as soon as better information is available.

Scope of the survey 4 This survey covers manufacturing establishments conducting activities regarding -

- the manufacture, processing, making or packing of products;
- the slaughtering of animals, including poultry; and
- installation, assembly, completion, repair and related work.

Classification 5 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, major group and subgroup level. Each statistical unit is classified to an industry which reflects the predominant activity of the establishment (branch).

Statistical unit 6 The basic statistical unit for the collection of information is the manufacturing establishment. An establishment is the smallest economic unit that functions as a separate entity. Each statistical unit is classified to an industry (cf. paragraph 6).

Survey methodology and 7 The calculation of the monthly production indices is based on the value of products and

design articles manufactured, after the effect of price changes has been eliminated through deflation by using appropriate sub-indices of the Production Price Index (PPI). The value of the manufactured products is obtained from a monthly sample survey of manufacturing establishments in the private and public sectors.

8 The survey is collected by mail each month from a sample of approximately 2 700 manufacturing establishments.

9 The above-mentioned measurement method in paragraph 7 was followed in 40 of the various major groups. On account of certain considerations more appropriate indicators were used for the four remaining major groups namely "other transport equipment"; tobacco products and coke and refined petroleum products and bodies for motor vehicles. The volume indices for the major groups tobacco products and coke and refined petroleum products are calculated on the basis of physical quantities. The major group tobacco products is included under 'Other' manufacturing industries. This method is also applied by other international statistical agencies for petroleum products due to the results being more satisfactory (mainly due to these commodities being relatively homogeneous and the nature of the industry). In the case of "other transport equipment" units such as ships and aircraft are completed over a relative long period and establishments can often not report charges for work done continuously. The sales and charges for work done are only shown after completion of the product, which is not a true reflection of the real production for the month under consideration. Therefore the index for "other transport equipment" is calculated monthly according to man-hours worked.

Sample design 10 The 1988 Census of Manufacturing provided the sampling frame for the selection of the monthly sample regarding manufacturing production and sales which was implemented as from January 1995. A stratified systematic sample design based on gross output was used. All statistical units were stratified by type of economic activity according to the Standard Industrial Classification of all Economic Activities (SIC) and measure of size, where measure of size was the total manufacturing gross output of the establishment. All large establishments (size category one cases) are completely enumerated. A sample was drawn from medium and small size establishments by systematically selecting establishments with equal probability.

Benchmarking 11 The index of physical volume of manufacturing production as well as the total value of sales of manufactured products should provide an accurate reflection of the trend of activities of the relevant industry. The level of activities as measured by the monthly Manufacturing Production and Sales sample survey is based on information received from a sample of manufacturing establishments which is weighted according to the original sample design in order to represent the population of manufacturing establishments. It is necessary to adjust the level of activities as measured by the monthly sample survey to the level of activities as measured periodically by the Census of Manufacturing. This procedure, whereby the latest results of an economic census are used to compile more accurate level estimates for a certain year, is known as benchmarking. The results, due to benchmarking, were published in statistical releases P3041.3 (entitled Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to September 1999) on 21 December 1999 and P3041.4 (entitled Manufacturing statistics: Value of sales, January 1990 to September 1999) on 8 December 1999.

12 The results of the 1991, 1993 and 1996 Censuses of Manufacturing and information obtained from the former TBVC states were used to adjust the level of the manufacturing production indices and the value of sales of manufactured products. The total value of output of the manufacturing major groups (which represents the total value of work done by the establishments in these major groups) as obtained from the manufacturing censuses, was deflated with appropriate sub-indices of the Production Price Index in order to calculate the real output. The latter served as benchmarks to verify or adjust the level of the monthly physical volume of manufacturing production indices. The level adjustments were done on the volume indices for January of the relevant census year (e.g. the 1996 census year covers the period 1 July 1995 to 30 June 1996 and therefore the benchmarking was done using the index of January 1996 as reference point). The motor vehicle major group is the only exception where the financial year for most of the establishments covered the period 1 January 1995 to 31 December 1995. The benchmarking was done using the physical volume of manufacturing production index for July 1995 as reference point.

Production index for the 13 In order to calculate a production index for the total manufacturing industry, the

total manufacturing industry production indices for the major groups are combined as follows:

A weight is calculated for every major group according to the value added of the relevant major group compared with the value added to the total manufacturing industry based on the 1991, 1993 and 1996 Censuses of Manufacturing. Weights between census years are fixed and are based on the results of the most recent Census of Manufacturing. The production indices of all the major groups are multiplied by the applicable weights and aggregated to reflect the total physical volume of manufacturing production index.

Seasonal adjustment 14 Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. This means the quarter-to-quarter movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

Reliability of estimates 15 Estimates are subject to sampling and non-sampling errors. Figures for the latest month are

preliminary.

Historical data 16 More comprehensive detail on the method of calculation and historical data in respect of the production indices according to manufacturing major groups and the value of sales for the period January 1990 to September 1999 were published in statistical releases P3041.3 (entitled **Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to September 1999**) on 21 December 1999 and P3041.4 (entitled **Manufacturing statistics: Value of sales, January 1990 to September 1999**) on 8 December 1999.

Related publications 17 Users may also wish to refer to the following publications which are available from Stats SA -

- P3041.3 -Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to September 1999.
- P3041.4 - Manufacturing statistics: Value of sales (divisions, major groups and subgroups), January 1990 to September 1999.
- Bulletin of Statistics.
- SA Statistics.

Unpublished statistics 18 In some cases Stats SA can also make available statistics which are not published. The statistics can be made available as: computer printouts, diskette and CD. Generally a charge is made for providing unpublished statistics.

Rounding-off of figures 19 The figures in the tables have, where necessary, been rounded off to the nearest final digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.

Pre-release policy 20 Stats SA has adopted the confidential pre-release policy in respect of selected economic indicators and specific government departments. The policy accords with practice among leading statistical agencies. The statistical integrity of the indices and strict observance of the release time has been assured by the following procedure:

In respect of this statistical release, an official representative from the Office of the President, the Office of the Deputy President, the Department of Trade and Industry, the Department of Finance and the South African Reserve Bank receive a copy of the release on a strictly confidential basis two hours in advance of the public issue.

Stats SA's pre-release policy may be inspected at its Website, www.statssa.gov.za.

Symbols and abbreviations 21 Stats SA Statistics South Africa

TBVC states Relates to the former Transkei, Bophuthatswana, Venda and Ciskei states

SIC Standard Industrial Classification of all Economic Activities

ISIC International Standard Classification of all Economic Activities

SNA System of National Accounts

PPI Production Price Index

GDP Gross Domestic Product

1/ Preliminary figures

* Revised figures

Technical notes

Response rates See the response rates for February 2000, by manufacturing major divisions, in Table B.

Table B - Response rates

Manufacturing major divisions	% response
Food and food products	76,7
Beverages	88,6
Textile	88,0
Total wearing apparel	77,5
Tanning and dressing of leather	76,5
Footwear	69,6
Wood and products of wood	79,0
Paper and paper products	83,0
Total publishing and printing	69,3
Coke and refined petroleum products	67,6
Basic chemicals	87,5
Other chemical products	81,0
Rubber products	95,7
Plastic products	53,1
Glass and glass products	91,7
Other non-metallic mineral products	76,0
Basic iron and steel products	80,4
Basic precious and non-ferrous metal products	82,6
Fabricated metal products	84,3
Total machinery and equipment	76,2
Electrical machinery, apparatus	54,4
Radio, television and communication apparatus	68,0
Professional equipment	90,0
Motor vehicles; trailers; parts and accessories	73,5
Other transport equipment	69,4
Furniture	71,6
Other manufacturing industries	80,5

Total	77,1
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Glossary

Enterprise An enterprise (firm) is a legal entity consisting of one or more establishments. The establishments need not necessarily all be manufacturing establishments, but some may be classifiable as other industries of the economy, such as wholesale trade, retail trade, motor trade and construction.

Establishment An establishment is defined as an enterprise (firm), or part of an enterprise, that is situated at a single location and in which only a single (non-ancillary) productive activity is carried out or in which the principal productive activity accounts for most of the value added.

Index of physical volume The index of physical volume of manufacturing production or a production index is a

of manufacturing production 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 1995. The production in the base period is set at 100.

Industry An industry consists of a group of establishments engaged in the same or similar kinds of economic activity. Industries are defined in the System of National Accounts (SNA) in the same way as in the Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).

Intercensal period Intercensal period is the period between January of the one census year and January of the next census year.

Intermediate consumption Intermediate consumption includes -

- 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.

Output includes -

- 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;

- closing value of work in progress, stocks of own manufactures and stocks of factored goods;
- head office charges; and
- other revenue.

Output excludes -

- excise and customs duty paid; and
- opening values of work in progress, finished goods and factored goods.

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.

Weight The weight of a major group is the ratio of the value added of a major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight of a major group reflects the importance of the major group in the total manufacturing industry. The weights change over time due to quality changes, changes in relative prices, and changes in preference, etc. New weights need to be calculated from time to time.

FOR MORE INFORMATION

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

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Table A - Contribution of the production by the different manufacturing divisions to the total manufacturing production (Base 1995=100)

Manufacturing Divisions	Percentage contribution to the total manufacturing production in the base year 1995 (Weights)	Average seasonally adjusted production index for the three months Dec.2000 - Feb. 2000	Quarterly percentage change (Dec. 2000 - Feb. 2000 compared with the preceding three months)	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and food products	10,7	96,8	-2,7	-0,29
Beverages	4,6	93,0	-8,6	-0,40
Total textiles	2,9	96,1	-0,2	-0,01
Total Wearing apparel	3,6	87,7	-0,8	-0,03
Tanning and dressing of leather	0,4	132,1	+6,4	+0,03
Footwear	0,9	71,1	+6,1	+0,06
Wood and products of wood	1,9	119,3	+2,6	+0,05
Paper and paper products	5,3	104,1	+5,0	+0,27
Total publishing and printing	4,1	94,9	+3,3	+0,14
Coke and refined petroleum products	4,2	103,8	-2,4	-0,10
Basic chemicals	4,5	127,0	-2,5	-0,11
Other chemical products	6,2	105,0	+0,3	+0,02
Rubber products	1,4	96,2	+1,1	+0,02
Plastic products	3,1	95,3	+8,9	+0,27
Glass and glass products	1,0	79,7	-6,0	-0,06
Other non-metallic mineral products	3,5	91,2	+4,0	+0,14
Basic iron and steel products	7,6	110,5	+4,5	+0,34
Basic precious and non-ferrous metal products	3,2	163,9	+5,8	+0,19
Fabricated metal products	7,0	101,2	+3,9	+0,27
Total machinery and equipment	5,8	93,1	+2,3	+0,13
Electrical machinery, apparatus	3,4	101,2	+6,4	+0,22
Radio, television and communication apparatus	1,0	134,3	+4,7	+0,05
Professional equipment	0,5	81,9	+2,4	+0,01
Motor vehicles; trailers; parts and accessories	8,0	114,5	+6,4	+0,52
Other transport equipment	1,0	113,4	+0,3	-0,00
Furniture	1,6	103,6	+0,9	+0,01
Other manufacturing industries	2,6	112,1	-0,4	-0,01
TOTAL	100,0	103,9	+1,0	+1,00

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

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

Base 1995 = 100							
Month	1994	1995	1996	1997	1998	1999	2000
Actual indices							
J	72,7	80,6	83,6	89,8	89,6	86,7	88,3
F	87,0	97,6	96,7	103,1	101,1	98,0	101,5 1/
M	95,6	104,2	102,6	102,5	102,8	101,5	
A	82,8	91,0	96,4	105,5	96,3	94,8	
M	84,8	101,8	104,1	106,2	101,1	101,1	
J	92,4	102,4	102,9	104,9	104,5	100,5	
J	92,9	101,7	104,7	108,2	104,4	104,3	
A	94,0	106,0	107,8	105,8	100,0	103,5	
S	100,9	106,7	105,2	108,3	106,8	107,0	
O	104,2	112,5	115,8	119,1	111,8	112,9	
N	108,2	110,7	114,4	111,7	109,8	115,3	
D	85,3	84,8	83,7	86,9	85,3	90,6*	
Year	91,7	100,0	101,5	104,3	101,1	101,4	
Seasonally adjusted indices							
J	87,5	96,5	99,3	105,6	104,4	100,6	102,3
F	88,3	99,3	98,6	105,2	102,9	99,7	103,2
M	91,1	99,9	99,2	99,9	100,8	99,7	
A	88,7	97,2	102,6	111,7	101,7	100,0	
M	85,3	101,7	103,4	105,1	100,1	100,1	
J	91,4	101,3	101,8	104,0	103,8	99,9	
J	91,6	99,9	102,4	105,3	101,2	100,9	
A	90,9	102,6	104,4	102,6	97,2	100,8	
S	95,8	101,4	100,1	103,2	101,9	102,1	
O	94,0	101,2	104,1	107,0	100,5	101,6	
N	97,2	99,9	103,6	101,5	99,8	104,9	
D	98,1	98,2	97,7	101,7	99,9	106,2	

* Revised

1/ Preliminary

Table 2 - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base 1995 = 100

Manufacturing divisions and major groups	Weights	Year 1999	Actual indices			Seasonally adjusted indices		
			February	January	1/ February	February	January	February
			1999	2000		1999	2000	
Food and food products	10,7	99,2	90,5	84,0	86,5	100,0	97,0	95,8
Meat, fish, fruit etc.	2,8	112,4	123,1	106,2	117,5	111,4	112,5	106,5
Dairy products	1,4	92,8	83,4	83,6	85,1	88,7	82,6	91,0
Grain mill products	2,1	93,9	87,4	85,4	83,9	93,3	89,8	89,6
Other food products	4,4	95,3	73,3	69,3	68,3	99,8	95,1	93,6
Beverages	4,6	100,8	90,4	85,6	87,0	100,9	85,3	96,8
Total textiles	2,9	91,3	86,1	65,6	96,2	84,3	90,5	94,1
Textiles	1,7	83,8	81,2	61,9	88,8	79,2	83,0	86,5
Other textile products	1,2	101,9	93,1	70,9	106,8	92,7	103,8	106,6
Total Wearing apparel	3,6	88,2	82,5	55,1	90,4	79,5	85,6	87,3
Knitted, crocheted articles	0,6	82,5	75,3	47,9	86,8	72,6	63,4	83,9
Wearing apparel	3,0	89,3	84,0	56,6	91,1	81,7	86,5	89,0
Tanning and dressing of leather	0,4	122,9	107,9	97,4	131,2	104,6	130,0	127,7
Footwear	0,9	69,2	66,7	42,5	74,8	65,8	71,2	73,7
Wood and products of wood	1,9	114,1	109,5	90,6	120,6	109,5	119,6	121,0
Sawmilling and planing of wood	0,8	104,2	102,0	73,9	109,5	99,7	101,2	107,4
Products of wood	1,2	120,6	114,5	101,5	127,9	115,1	130,9	128,8
Paper and paper products	5,3	98,2	85,5	97,9	96,5	93,0	103,0	105,1
Total publishing and printing	4,1	93,1	87,6	80,6	92,4	92,9	93,0	98,3
Publishing	1,5	99,6	94,1	99,7	100,8	98,2	108,7	105,9
Printing, recorded media	2,6	89,5	83,9	69,8	87,7	89,1	83,3	93,4
Coke and refined petroleum products	4,2	106,0	108,0	107,1	108,3	107,1	101,9	107,0
Basic chemicals	4,5	125,9	131,5	124,5	119,3	125,2	132,7	112,9
Other chemical products	6,2	103,3	101,1	85,4	100,7	102,9	102,7	102,3
Rubber products	1,4	92,8	94,4	67,5	114,6	81,8	93,4	98,9
Plastic products	3,1	87,1	88,6	73,5	89,2	84,7	92,3	85,6
Glass and glass products	1,0	85,2	82,0	63,9	84,4	79,2	77,8	81,5
Other non-metallic mineral products	3,5	85,0	77,0	76,4	89,1	79,0	92,2	91,4
Basic iron and steel products	7,6	96,9	93,0	109,3	104,9	99,2	116,3	112,1
Basic precious and non-ferrous metal products	3,2	152,5	142,3	145,6	154,9	150,7	155,3	163,1
Fabricated metal products	7,0	99,5	102,0	93,2	98,5	99,6	113,0	96,1
Structural metal products	2,4	95,9	110,7	87,3	91,8	108,4	111,5	89,9
Other fabricated metal product	4,6	101,4	97,6	96,2	101,9	98,7	111,8	103,5
Total machinery and equipment	5,8	97,5	102,1	73,0	95,2	98,8	89,3	92,4
General purpose machinery	2,5	111,5	107,0	82,5	94,2	113,3	101,2	100,3
Special purpose machinery	2,9	84,4	99,8	63,5	93,5	92,3	67,9	85,6
Household appliances	0,4	105,3	88,4	81,8	114,4	94,2	123,5	122,1
Electrical machinery, apparatus	3,4	96,5	111,2	84,2	98,3	110,4	101,9	97,5
Radio, television and communication apparatus	1,0	126,9	128,1	110,1	120,5	132,2	142,4	124,0
Professional equipment	0,5	77,9	77,3	70,6	77,3	78,9	85,5	78,4
Motor vehicles; trailers; parts and accessories	8,0	102,5	98,2	76,6	120,6	97,2	93,5	119,5
Motor vehicles	4,5	97,0	96,8	52,5	118,9	96,3	68,0	118,1
Bodies for motor vehicles; trailers and semi-trailers	0,5	64,3	67,5	54,8	61,5	64,3	66,8	59,0
Parts and accessories	3,0	117,7	105,9	116,8	134,0	105,5	131,8	134,6
Other transport equipment	1,0	115,5	110,9	117,0	101,0	120,3	113,7	109,7
Furniture	1,6	102,6	95,9	78,3	100,3	96,4	119,9	101,2
Other manufacturing industries	2,6	107,7	97,8	76,3	106,5	98,1	100,0	107,5
TOTAL	100,0	101,4	98,0	88,3	101,5	99,7	102,3	103,2

* Revised
1/ Preliminary

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

Month	1994	1995	1996	1997	1998	1999*	2000
Actual values							
J	16 267 098	19 206 220	21 803 249	25 254 480	25 913 926	26 372 386	28 598 454
F	19 815 926	24 414 317	26 328 500	29 866 793	29 901 544	30 555 697	34 671 424 1/
M	22 056 191	26 712 878	28 188 286	29 866 272	32 190 538	32 735 187	
A	19 132 660	22 897 368	26 231 967	30 438 604	29 758 879	30 458 581	
M	19 723 817	25 806 431	28 293 052	30 626 091	30 352 835	32 670 212	
J	22 055 323	26 204 689	28 261 416	30 575 542	31 723 893	33 040 649	
J	22 251 097	25 613 126	28 378 392	31 169 707	31 732 667	33 273 242	
A	21 957 670	27 064 919	29 568 761	31 400 042	30 810 619	33 730 745	
S	23 954 300	27 737 968	29 549 724	31 344 644	32 896 327	35 648 216	
O	25 209 944	29 294 559	33 070 022	35 902 602	34 970 472	37 369 227	
N	26 275 416	29 960 074	33 084 713	33 709 581	34 300 610	38 729 017	
D	20 667 319	23 877 458	26 338 721	28 128 922	29 016 347	32 737 380	
Year	259 366 761	308 790 007	339 096 803	368 283 280	373 568 657	397 320 539	
Seasonally adjusted values							
J	19 967 449	23 566 045	26 618 179	30 660 786	31 264 554	31 729 684	34 379 677
F	20 091 875	24 834 574	26 863 973	30 586 782	30 651 063	31 380 073	35 654 841
M	20 709 551	25 197 145	26 767 709	28 561 869	30 963 376	31 548 372	
A	20 436 651	24 365 983	27 776 404	32 037 931	31 250 117	31 955 259	
M	19 908 606	25 928 109	28 308 078	30 555 700	30 286 999	32 646 229	
J	21 791 580	25 881 606	27 932 728	30 251 785	31 440 160	32 753 527	
J	22 110 535	25 446 538	28 202 395	30 935 075	31 460 610	32 909 858	
A	21 323 165	26 393 954	28 946 375	30 885 944	30 388 237	33 343 543	
S	22 816 230	26 548 652	28 368 257	30 167 276	31 695 570	34 354 455	
O	22 764 503	26 360 927	29 728 398	32 211 382	31 387 133	33 550 769	
N	23 513 005	26 842 323	29 738 291	30 396 037	31 017 999	35 099 331	
D	23 302 847	26 796 194	29 310 725	31 037 238	31 758 530	35 715 117	

* Revised
1/ Preliminary

Table 4 - Value of sales of manufactured products according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year	Actual values			Seasonally adjusted values		
		February	January	February 1/	February	January	February
		1999	2000		1999	2000	
		1999	2000	2000	1999	2000	2000
Food and food products	57 136 795	4 358 074	4 328 472	4 404 331	4 622 984	4 796 254	4 684 741
Meat, fish, fruit etc.	17 159 161	1 457 714	1 253 048	1 407 986	1 423 107	1 416 175	1 373 484
Dairy products	7 152 593	543 287	506 969	561 650	564 649	541 213	586 449
Grain mill products	14 862 901	1 124 756	1 105 304	1 147 997	1 210 438	1 219 296	1 236 050
Other food products	17 962 140	1 232 317	1 463 151	1 286 698	1 421 524	1 752 986	1 494 061
Beverages	20 653 051	1 444 117	1 518 723	1 551 235	1 675 663	1 534 049	1 792 352
Total textiles	9 770 815	748 916	566 724	852 127	748 583	830 620	853 148
Textiles	6 304 565	497 483	371 223	559 193	486 984	531 467	547 888
Other textile products	3 466 250	251 433	195 501	292 934	261 441	301 186	306 131
Total Wearing apparel	10 951 450	853 623	548 236	899 613	861 017	907 345	909 861
Knitted, crocheted articles	1 866 120	146 531	84 708	157 849	143 013	125 953	154 025
Wearing apparel	9 085 330	707 092	463 528	741 764	719 835	783 666	757 869
Tanning and dressing of leather	2 577 530	191 400	162 587	236 148	186 833	229 128	231 170
Footwear	2 393 993	187 989	99 828	208 037	183 113	187 882	201 704
Wood and products of wood	8 017 619	606 745	533 719	784 076	621 448	722 303	806 863
Sawmilling and planing of wood	2 011 857	144 212	163 399	226 666	148 298	234 548	235 384
Products of wood	6 005 762	462 533	370 320	557 410	473 368	485 080	572 038
Paper and paper products	20 400 594	1 476 641	1 636 746	1 748 457	1 584 043	1 885 660	1 878 462
Total publishing and printing	11 664 938	905 392	886 852	990 842	952 134	1 028 156	1 045 784
Publishing	4 471 082	338 662	394 521	394 171	358 134	426 895	420 665
Printing, recorded media	7 193 856	566 730	492 331	596 671	598 349	598 765	630 228
Coke and refined petroleum products	20 464 890	1 342 534	1 834 177	2 017 355	1 383 281	1 937 009	2 090 809
Basic chemicals	19 872 365	1 504 280	1 538 708	1 690 785	1 473 680	1 872 458	1 657 952
Other chemical products	25 481 800	1 965 069	1 750 299	2 111 040	2 046 170	2 089 880	2 199 638
Rubber products	4 167 229	325 626	263 519	415 711	301 977	372 269	382 577
Plastic products	9 761 858	762 028	687 019	819 573	760 622	875 448	820 063
Glass and glass products	2 140 820	163 895	134 291	170 160	164 848	173 756	171 579
Other non-metallic mineral products	9 257 203	731 469	707 463	797 504	759 061	900 475	826 401
Basic iron and steel products	25 867 790	2 035 962	2 274 075	2 581 759	2 090 697	2 629 135	2 644 618
Basic precious and non-ferrous metal products	13 107 160	968 054	921 600	1 109 211	1 025 065	1 108 767	1 168 420
Fabricated metal products	23 536 114	1 975 756	1 550 365	1 885 415	2 006 016	1 930 186	1 922 403
Structural metal products	8 375 921	747 361	436 307	585 450	787 039	602 489	620 569
Other fabricated metal product	15 160 193	1 228 395	1 114 058	1 299 965	1 224 710	1 323 217	1 300 744
Total machinery and equipment	18 482 182	1 484 489	1 135 230	1 547 061	1 522 475	1 465 160	1 580 132
General purpose machinery	8 715 989	630 760	557 550	638 330	670 583	723 899	681 844
Special purpose machinery	7 839 996	716 129	464 122	734 303	692 752	541 939	700 114
Household appliances	1 926 197	137 600	113 558	174 428	144 425	185 394	182 740
Electrical machinery, apparatus	11 834 873	1 101 564	864 698	1 039 844	1 115 399	1 129 809	1 053 837
Radio, television and communication apparatus	4 414 555	376 003	308 430	345 067	389 720	404 326	358 157
Professional equipment	1 299 945	107 632	87 544	111 856	105 435	107 650	108 850
Motor vehicles; trailers; parts and accessories	42 719 836	3 222 166	2 749 007	4 356 162	3 166 725	3 480 702	4 302 076
Motor vehicles	30 465 944	2 283 736	1 830 865	3 211 112	2 186 990	2 366 682	3 083 677
Bodies for motor vehicles; trailers and semi-trailers	1 529 083	127 711	94 239	127 838	137 114	145 566	139 094
Parts and accessories	10 724 809	810 719	823 903	1 017 212	799 366	974 381	1 007 346
Other transport equipment	2 789 057	254 608	206 132	245 888	233 444	290 655	229 514
Furniture	6 347 818	489 459	383 426	529 168	502 050	626 866	543 539
Other manufacturing industries	12 208 259	972 206	920 584	1 222 999	932 493	1 087 296	1 177 660
TOTAL	397 320 539	30 555 697	28 598 454	34 671 424	31 380 073	34 379 677	35 654 841

* Revised
1/ Preliminary

Table 5 - Value of unfilled orders according to selected manufacturing subgroups (R'000)

Selected manufacturing subgroups	Actual values			Seasonally adjusted values		
	February	January	February 1/	February	January	February
	1999	2000		1999	2000	
Spinning, weaving and finishing of textiles	215 151	214 578	235 854	211 238	223 123	231 193
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	22 125	26 867	34 723	20 847	24 717	32 293
Other textile articles	82 763	55 247	61 751	83 068	62 123	61 443
Knitted and crotcheted fabrics and articles	142 222	145 591	167 114	142 407	152 993	166 889
Wearing apparel	660 806	739 572	710 471	690 385	777 898	744 062
Sawmilling and preserving of timber	21 048	21 472	22 076	20 433	21 245	21 574
Veneer sheets, plywood, laminboard, etc.	19 882	26 318	25 108	21 154	26 787	26 619
Builders' carpentry and joinery	49 605	45 983	38 904	55 094	47 273	43 093
Pulp, paper and paperboard	216 773	274 561	364 496	230 009	331 950	386 001
Corrugated paper and paper-board and containers	417 674	446 384	390 607	402 142	447 783	373 933
Paints, varnishes and coatings	18 198	27 577	19 910	18 167	24 877	20 391
Basic iron and steel products	3 071 586	3 173 333	3 321 677	3 025 764	3 137 270	3 264 878
Steel pipe and tube mills	153 515	252 074	234 617	152 182	242 742	234 017
Basic precious and non-ferrous metal products	873 857	994 822	1 281 249	865 967	1 057 268	1 271 279
Metal structures, parts	1 412 324	1 098 342	1 054 218	1 478 497	1 130 191	1 106 528
Cutlery, hand tools and general hardware	29 006	31 097	31 305	28 549	32 812	30 956
Metal containers, e.g. cans and tins	53 518	73 098	76 548	49 859	65 746	70 816
Cables, wire products, springs	67 111	54 236	64 331	65 476	60 280	63 157
Metal fasteners	26 695	43 017	40 713	25 713	41 360	39 336
All other metal products	955 097	1 040 849	1 104 873	1 086 649	1 184 124	1 272 831
Domestic appliances	42 298	39 498	37 905	41 371	40 061	37 274
Electric motors, generators and transformers	472 751	430 391	443 551	504 268	442 599	472 069
Insulated wire and cables	199 784	206 085	206 341	192 822	199 872	200 735
Accumulators, primary cells and primary batteries	11 424	12 650	12 251	12 631	12 238	13 456
Television, radio and communication apparatus	753 221	713 687	718 251	766 319	728 022	731 084
Motor vehicles	1 653 531	1 929 790	1 864 085	1 676 408	1 974 138	1 893 826
Parts and accessories for motor vehicles	268 031	299 669	310 352	272 332	302 900	315 555
Furniture	164 778	217 109	232 816	195 437	249 484	276 429

* Revised