

Manufacturing: production and sales

Statistical release

P3041.2

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Contents

Page

Notes

Tables

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

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

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

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

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

Additional information

Explanatory notes

Technical notes

Glossary

For more information

Key figures for the month ended April 2000

Actual estimates	April 2000	% change between April 1999 and April 2000	% change between February 1999 to April 1999 and February 2000 to April 2000	% change between January 1999 to April 1999 and January 2000 to April 2000
Physical volume of manufacturing production index (1995=100)	94,0	-0,8	+3,9	+3,5
Total value of sales of manufactured products (R million)	33 051,0	+8,5	+13,3	+12,1

Seasonally adjusted estimates	April 2000	% change between March 2000 and April 2000	% change between November 1999 to January 2000 and February 2000 to April 2000
Physical volume of manufacturing production index (1995=100)	98,7	-8,0	-1,7
Total value of sales of manufactured products (R million)	34 820,8	-5,0	+1,5

Key findings for the month ended April 2000

MANUFACTURING PRODUCTION DECREASES

Manufacturing production for the three months up to April 2000 reflected a decrease of 1,7% after seasonal adjustment compared with the previous three months. Lower manufacturing production was reported in 20 of the 27 manufacturing major divisions.

The major contributors to the decrease of 1,7% after seasonal adjustment in the total manufacturing production were the basic chemicals (-0,5 of a percentage point), followed by other chemical products (-0,3 of a percentage point), fabricated metal products (-0,3 of a percentage point) and other manufacturing industries (-0,3 of a percentage point) divisions. However, these decreases were, inter alia, partially counteracted by an increase in the basic iron and steel products division (+0,6 of a percentage point) (cf. table A).

The total value of sales of manufactured products for the three months up to April 2000 reflected an increase of 1,5% (R1 639 million) after seasonal adjustment compared with the previous three months. The largest increases were reported by the other transport equipment (+54,6% or R422 million), coke and refined petroleum products (+16,3% or R988 million), basic iron and steel (+11,7% or R867 million) and beverages (+7,0% or R348 million) divisions during this period.

Notes

Forthcoming issues Issue Expected release date

May 2000 11 July 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 Seasonally adjusted estimates of all items are generated each month, using the X-11 Seasonal Adjustment Program developed by US Bureau of the Census Economic Research and Analyses Division, 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. This means 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.

Reliability of estimates 16 Estimates are subject to sampling and non-sampling errors. Figures for the latest month are

preliminary.

Historical data 17 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 18 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 19 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 20 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 21 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 22 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 April 2000, by manufacturing major divisions, in table B.

Table B - Response rates for April 2000

Manufacturing major divisions	% response
Food and food products	73,2
Beverages	92,6
Textile	91,3
Total wearing apparel	89,2
Tanning and dressing of leather	70,6
Footwear	59,1
Wood and products of wood	74,6
Paper and paper products	89,7
Total publishing and printing	64,8
Coke and refined petroleum products	79,4
Basic chemicals	93,8
Other chemical products	82,6
Rubber products	91,7
Plastic products	70,4
Glass and glass products	83,3
Other non-metallic mineral products	67,3
Basic iron and steel products	71,2
Basic precious and non-ferrous metal products	64,0
Fabricated metal products	80,8
Total machinery and equipment	79,3
Electrical machinery, apparatus	66,7
Radio, television and communication apparatus	44,0
Professional equipment	41,4
Motor vehicles; trailers; parts and accessories	89,6
Other transport equipment	86,1
Furniture	82,2
Other manufacturing industries	72,0
Total	78,0

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

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Enquiries

Telephone number: (012) 310 8336/337/977

(012) 310 8233/310 8669 (technical enquiries)

(012) 310 8161 (publishing)

Fax number: (012) 310 8332

e-mail: Dawnvd@statssa.pwv.gov.za

Teresam@statssa.pwv.gov.za

Postal address: Private Bag X44, Pretoria, 0001

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 Feb.2000 - Apr. 2000	Quarterly percentage change (Feb. 2000 - Apr. 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	96,2	-0,9	-0,10
Beverages	4,6	97,8	+3,3	+0,15
Total textiles	2,9	95,9	-0,8	-0,02
Total Wearing apparel	3,6	83,5	-6,2	-0,22
Tanning and dressing of leather	0,4	115,4	-11,2	-0,05
Footwear	0,9	70,1	+1,4	+0,01
Wood and products of wood	1,9	114,9	-3,9	-0,08
Paper and paper products	5,3	101,5	-2,4	-0,13
Total publishing and printing	4,1	93,0	+0,2	+0,01
Coke and refined petroleum products	4,2	103,4	-3,1	-0,13
Basic chemicals	4,5	123,9	-10,1	-0,45
Other chemical products	6,2	101,9	-5,1	-0,32
Rubber products	1,4	92,1	-3,3	-0,05
Plastic products	3,1	87,2	-5,8	-0,18
Glass and glass products	1,0	85,9	+5,8	+0,06
Other non-metallic mineral products	3,5	89,4	-2,9	-0,10
Basic iron and steel products	7,6	120,0	+8,4	+0,64
Basic precious and non-ferrous metal products	3,2	159,6	-0,8	-0,03
Fabricated metal products	7,0	97,5	-3,9	-0,27
Total machinery and equipment	5,8	93,4	-1,2	-0,07
Electrical machinery, apparatus	3,4	102,2	+4,2	+0,15
Radio, television and communication apparatus	1,0	132,3	-0,8	-0,01
Professional equipment	0,5	74,1	-8,5	-0,04
Motor vehicles; trailers; parts and accessories	8,0	117,5	+0,7	+0,06
Other transport equipment	1,0	107,4	-2,9	-0,03
Furniture	1,6	93,2	-10,4	-0,16
Other manufacturing industries	2,6	103,7	-10,1	-0,26
TOTAL	100,0	103,6	-1,7	-1,70

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing division with its corresponding weight in the base year.
P3041.2

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	88,8
F	87,0	97,6	96,7	103,1	101,1	98,0	103,0
M	95,6	104,2	102,6	102,5	102,8	101,5	108,7
A	82,8	91,0	96,4	105,5	96,3	94,8	94,0
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	115,5	
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	87,4	96,5	99,1	105,6	104,9	100,8	102,8
F	88,3	99,3	98,7	105,2	102,9	99,8	104,7
M	91,1	100,0	99,5	100,4	101,0	99,9	107,3
A	88,7	97,3	102,1	111,1	101,1	99,3	98,7
M	85,4	101,8	104,0	105,3	100,0	100,1	
J	91,4	101,3	101,5	103,3	103,0	99,3	
J	91,6	99,9	102,4	105,4	101,5	101,4	
A	90,9	102,6	104,5	102,9	97,5	101,2	
S	95,8	101,5	100,2	103,2	102,1	102,6	
O	94,0	101,1	103,2	106,0	99,8	100,8	
N	97,2	99,8	103,2	101,2	99,7	105,3	
D	98,1	98,3	98,9	102,5	101,1	108,2	

* 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	Actual indices			Seasonally adjusted indices			
			1999	April	March	April	April	March	April
				2000		1999	2000		
				1999	2000		1999	2000	
Food and food products	10,7	99,2	92,8	89,9	89,7	97,8	98,0	94,8	
Meat, fish, fruit etc.	2,8	112,4	111,5	117,4	110,9	111,4	110,5	111,0	
Dairy products	1,4	92,8	81,0	88,7	76,9	89,8	86,0	85,7	
Grain mill products	2,1	93,9	89,8	91,2	88,8	92,7	90,7	92,2	
Other food products	4,4	95,3	85,9	72,1	80,5	94,1	97,3	88,4	
Beverages	4,6	100,8	81,6	101,0	82,9	97,2	97,5	99,0	
Total textiles	2,9	91,3	84,6	108,6	84,8	89,6	102,6	90,3	
Textiles	1,7	83,8	78,5	102,2	77,8	81,2	99,8	80,9	
Other textile products	1,2	101,9	93,2	117,7	94,8	101,5	106,6	103,5	
Total wearing apparel	3,6	88,3	85,2	92,9	77,6	88,2	84,3	80,5	
Knitted, crocheted articles	0,6	82,5	77,5	88,9	67,0	78,3	79,8	67,8	
Wearing apparel	3,0	89,5	86,7	93,7	79,7	90,1	85,2	83,0	
Tanning and dressing of leather	0,4	122,9	135,6	124,4	107,5	129,7	119,4	103,1	
Footwear	0,9	69,2	60,9	73,1	62,6	66,2	68,9	68,4	
Wood and products of wood	1,9	114,1	109,1	127,2	104,7	110,3	118,9	106,3	
Sawmilling and planing of wood	0,8	104,2	85,3	119,6	105,2	87,5	111,1	108,2	
Products of wood	1,2	120,6	124,7	132,2	104,4	125,3	124,1	105,0	
Paper and paper products	5,3	98,2	94,0	101,8	91,9	101,0	100,3	99,2	
Total publishing and printing	4,1	93,1	88,4	91,7	86,8	93,6	89,0	91,8	
Publishing	1,5	99,6	94,8	94,7	98,9	99,3	93,4	103,6	
Printing, recorded media	2,6	89,5	84,8	90,0	80,0	90,4	86,5	85,3	
Coke and refined petroleum products	4,2	106,4	112,0	96,2	105,8	107,3	103,1	101,1	
Basic chemicals	4,5	126,9	115,1	130,3	120,3	120,1	133,4	126,3	
Other chemical products	6,2	103,3	98,1	107,3	96,2	102,9	103,1	100,6	
Rubber products	1,4	92,8	91,7	102,6	76,3	92,4	101,1	76,8	
Plastic products	3,1	86,5	78,4	96,8	78,1	83,4	90,0	83,3	
Glass and glass products	1,0	85,2	82,6	79,4	86,6	86,4	83,5	90,5	
Other non-metallic mineral products	3,5	85,0	79,3	95,3	82,9	83,8	90,2	87,5	
Basic iron and steel products	7,6	96,9	94,5	128,7	115,5	95,2	131,0	115,6	
Basic precious and non-ferrous metal products	3,2	153,3	127,6	153,7	145,0	136,3	156,8	156,4	
Fabricated metal products	7,0	99,1	101,8	105,6	85,6	105,0	102,3	88,1	
Structural metal products	2,4	95,9	104,9	99,5	73,8	111,7	95,8	78,7	
Other fabricated metal product	4,6	100,8	100,2	108,7	91,6	101,5	105,7	92,9	
Total machinery and equipment	5,8	97,5	83,9	108,4	74,2	89,7	98,8	80,8	
General purpose machinery	2,5	111,5	114,2	122,6	88,3	114,1	112,4	87,9	
Special purpose machinery	2,9	84,4	57,0	93,5	60,6	67,8	82,4	72,9	
Household appliances	0,4	105,3	88,6	128,1	85,2	95,2	133,2	92,8	
Electrical machinery, apparatus	3,4	96,5	94,9	104,9	97,6	98,4	104,0	102,7	
Radio, television and communication apparatus	1,0	126,9	113,2	128,2	131,2	134,5	119,8	154,7	
Professional equipment	0,5	77,9	73,7	79,8	70,7	73,9	73,0	71,3	
Motor vehicles; trailers; parts and accessories	8,0	102,5	94,9	134,3	98,6	95,6	130,1	99,7	
Motor vehicles	4,5	97,0	89,4	131,7	91,8	90,7	129,0	93,4	
Bodies for motor vehicles; trailers and semi-trailers	0,5	64,3	63,6	62,8	49,3	61,0	53,1	47,7	
Parts and accessories	3,0	117,7	108,9	151,3	117,7	109,1	145,8	118,6	
Other transport equipment	1,0	113,1	123,6	105,3	110,2	119,3	109,0	106,0	
Furniture	1,6	102,6	93,9	96,7	78,8	97,4	98,2	81,6	
Other manufacturing industries	2,6	107,7	83,7	117,5	72,5	98,8	117,1	85,5	
TOTAL	100,0	101,4	94,8	108,7	94,0	99,3	107,3	98,7	

* Revised
1/ Preliminary

P3041.2

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	28 460 460
F	19 815 926	24 414 317	26 328 500	29 866 793	29 901 544	30 555 697	35 040 301
M	22 056 191	26 712 878	28 188 286	29 866 272	32 190 538	32 735 187	38 135 142
A	19 132 660	22 897 368	26 231 967	30 438 604	29 758 879	30 458 581	33 051 045
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	33 292 754	
A	21 957 670	27 064 919	29 568 761	31 400 042	30 810 619	33 731 604	
S	23 954 300	27 737 968	29 549 724	31 344 644	32 896 327	35 842 747	
O	25 209 944	29 294 559	33 070 022	35 902 602	34 970 472	37 468 060	
N	26 275 416	29 960 074	33 084 713	33 709 581	34 300 610	38 776 304	
D	20 667 319	23 877 458	26 338 721	28 128 922	29 016 347	32 959 621	
Year	259 366 761	308 790 007	339 096 803	368 283 280	373 568 657	397 903 802	
Seasonally adjusted values							
J	19 825 450	23 572 747	26 522 123	30 699 315	31 314 263	31 801 918	34 248 851
F	20 118 999	24 783 297	26 814 604	30 525 471	30 615 127	31 367 679	35 917 980
M	20 746 309	25 288 949	26 867 092	28 690 524	30 930 831	31 495 218	36 658 897
A	20 323 534	24 276 928	27 710 373	32 059 832	31 303 538	32 010 491	34 820 827
M	20 162 186	26 158 638	28 469 287	30 743 886	30 458 119	32 840 161	
J	21 899 939	25 980 261	28 061 179	30 304 366	31 462 462	32 917 509	
J	22 154 096	25 492 326	28 281 872	30 965 302	31 504 923	32 990 967	
A	21 211 045	26 193 605	28 779 276	30 686 904	30 286 087	33 258 867	
S	22 752 127	26 485 795	28 269 836	30 034 339	31 557 765	34 514 318	
O	22 679 462	26 209 646	29 557 083	32 095 076	31 198 925	33 489 573	
N	23 542 691	26 880 960	29 772 793	30 374 693	30 911 930	35 053 792	
D	23 380 564	26 816 566	29 370 658	31 041 399	31 765 772	36 456 116	

* 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		
		April	March	April	April	March	April
		1999	2000		1999	2000	
Food and food products	57 150 718	4 544 108	4 745 889	4 803 748	4 625 350	4 906 703	4 910 376
Meat, fish, fruit etc.	17 159 161	1 374 237	1 460 893	1 469 564	1 405 712	1 445 491	1 500 609
Dairy products	7 152 593	516 452	600 484	528 631	562 256	590 903	578 494
Grain mill products	14 871 882	1 155 629	1 266 799	1 220 372	1 169 756	1 254 059	1 240 633
Other food products	17 967 082	1 497 790	1 417 713	1 585 181	1 487 626	1 616 250	1 590 640
Beverages	20 662 215	1 380 456	1 808 966	1 513 085	1 598 554	1 747 973	1 752 346
Total textiles	9 770 815	795 145	966 064	779 927	812 362	901 368	799 719
Textiles	6 304 565	516 453	634 733	504 486	520 008	588 848	509 650
Other textile products	3 466 250	278 692	331 331	275 441	292 354	312 520	290 069
Total wearing apparel	10 995 707	912 193	1 060 414	878 692	894 188	928 957	865 900
Knitted, crocheted articles	1 858 591	159 937	182 917	132 342	150 419	163 323	124 605
Wearing apparel	9 137 116	752 256	877 497	746 350	743 769	765 634	741 295
Tanning and dressing of leather	2 577 530	235 005	227 109	205 380	231 060	215 254	201 110
Footwear	2 393 993	176 859	209 120	188 400	195 129	191 584	208 606
Wood and products of wood	8 017 619	630 539	801 129	703 839	657 387	758 074	745 863
Sawmilling and planing of wood	2 011 857	121 331	245 446	202 722	139 428	238 069	235 778
Products of wood	6 005 762	509 208	555 683	501 117	517 959	520 005	510 085
Paper and paper products	20 400 594	1 588 547	1 983 796	1 632 813	1 742 390	1 819 728	1 795 928
Total publishing and printing	11 664 938	940 477	1 020 943	971 896	981 203	1 010 942	1 011 587
Publishing	4 471 082	356 624	375 099	379 937	370 056	375 100	394 168
Printing, recorded media	7 193 856	583 853	645 844	591 959	611 147	635 842	617 419
Coke and refined petroleum products	20 999 687	1 421 295	2 181 584	2 423 017	1 455 993	2 329 775	2 486 598
Basic chemicals	19 872 911	1 466 189	1 780 273	1 704 750	1 526 249	1 857 179	1 773 599
Other chemical products	25 490 045	2 055 084	2 367 718	2 049 135	2 140 107	2 225 552	2 147 535
Rubber products	4 167 229	346 339	385 517	336 138	338 213	370 433	328 783
Plastic products	9 723 276	736 792	934 351	717 323	774 281	896 875	755 156
Glass and glass products	2 140 820	159 932	157 319	160 471	174 557	166 650	174 999
Other non-metallic mineral products	9 257 203	718 643	863 848	763 600	749 746	819 726	795 017
Basic iron and steel products	25 927 778	2 039 543	2 983 177	2 674 981	2 098 555	2 844 972	2 756 600
Basic precious and non-ferrous metal products	13 107 160	905 217	1 230 771	1 063 067	994 839	1 236 045	1 174 881
Fabricated metal products	23 450 896	2 073 809	2 143 577	1 757 592	2 153 765	2 016 560	1 840 009
Structural metal products	8 375 921	832 273	706 845	573 243	841 467	668 224	579 443
Other fabricated metal product	15 074 975	1 241 536	1 436 732	1 184 349	1 312 298	1 348 336	1 260 566
Total machinery and equipment	18 482 182	1 315 402	1 888 894	1 291 225	1 464 408	1 586 475	1 441 025
General purpose machinery	8 715 989	604 601	808 577	628 221	676 417	752 578	703 030
Special purpose machinery	7 839 996	565 228	881 398	527 219	632 135	628 464	591 556
Household appliances	1 926 197	145 573	198 919	135 785	155 856	205 433	146 439
Electrical machinery, apparatus	11 835 715	937 863	1 088 107	953 404	975 168	1 089 003	1 001 923
Radio, television and communication apparatus	4 441 396	315 248	430 375	406 623	364 299	377 467	467 777
Professional equipment	1 299 945	103 440	107 966	96 389	104 558	99 090	97 512
Motor vehicles; trailers; parts and accessories	42 719 836	3 120 632	4 746 034	3 401 130	3 206 339	4 249 603	3 488 727
Motor vehicles	30 465 944	2 174 704	3 417 495	2 389 768	2 281 224	3 034 222	2 497 992
Bodies for motor vehicles; trailers and semi-trailers	1 529 083	132 846	159 025	112 199	127 943	140 616	109 050
Parts and accessories	10 724 809	813 082	1 169 514	899 163	797 172	1 074 765	881 685
Other transport equipment	2 789 057	186 835	581 911	215 433	257 842	526 739	296 636
Furniture	6 356 278	481 699	507 315	419 119	518 682	526 396	451 941
Other manufacturing industries	12 208 259	871 290	932 975	939 868	975 267	959 774	1 050 674
TOTAL	397 903 802	30 458 581	38 135 142	33 051 045	32 010 491	36 658 897	34 820 827

* Revised
1/ Preliminary
P3041.2

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

Selected manufacturing subgroups	Actual values			Seasonally adjusted values		
	April	March	April	April	March	April
	1999	2000		1999	2000	
Spinning, weaving and finishing of textiles	209 416	255 154	253 166	207 303	250 846	251 025
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	21 204	30 056	25 699	20 894	25 499	25 345
Other textile articles	80 549	67 125	62 496	78 544	62 909	60 605
Knitted and crocheted fabrics and articles	142 374	155 593	151 420	144 632	154 902	154 337
Wearing apparel	655 114	762 779	752 529	663 546	767 233	766 016
Sawmilling and preserving of timber	21 055	24 755	24 451	20 531	23 188	23 765
Veneer sheets, plywood, laminboard, etc.	25 353	24 933	23 679	22 932	26 359	21 486
Builders' carpentry and joinery	48 896	38 488	39 944	52 283	43 327	43 264
Pulp, paper and paperboard	230 355	263 297	327 095	231 409	298 656	324 834
Corrugated paper and paperboard and containers	358 765	333 854	337 525	365 279	344 368	342 034
Paints, varnishes and coatings	9 643	13 086	12 012	13 929	18 148	18 622
Basic iron and steel products	2 744 687	3 346 709	3 362 486	2 751 472	3 395 884	3 383 981
Steel pipe and tube mills	140 702	228 050	212 460	147 120	224 483	222 019
Basic precious and non-ferrous metal products	874 907	1 001 540	1 143 529	889 601	998 481	1 161 606
Metal structures, parts	1 668 316	1 045 791	1 042 594	1 601 621	1 031 629	996 653
Cutlery, hand tools and general hardware	28 307	28 360	35 432	28 171	27 350	35 324
Metal containers, e.g. cans and tins	51 922	81 477	74 873	53 889	80 357	77 618
Cables, wire products, springs	62 777	64 805	58 428	63 032	62 511	59 220
Metal fasteners	23 934	38 312	42 284	22 131	36 853	39 482
All other metal products	872 080	494 712	557 302	929 196	538 288	594 833
Domestic appliances	44 136	37 829	23 166	44 197	35 689	23 479
Electric motors, generators and transformers	439 991	461 745	457 169	432 656	439 377	449 708
Insulated wire and cables	212 592	223 350	224 219	197 725	205 820	207 365
Accumulators, primary cells and primary batteries	13 903	13 119	13 628	13 425	14 034	13 069
Television, radio and communication apparatus	728 226	974 645	1 293 849	740 932	1 004 178	1 317 888
Motor vehicles	2 152 261	2 505 912	2 168 213	1 885 896	2 209 296	1 945 346
Parts and accessories for motor vehicles	261 545	279 134	303 072	263 125	289 196	304 984
Furniture	203 447	233 258	196 361	218 817	265 149	210 266

* Revised