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Statistician-General

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1. Introduction

This publication reports the estimated values and quantities of selected products which were produced by the manufacturing industry in South Africa in 2017, as well as the estimated details of purchases of raw materials by the industry. Financial results for the industry are reported in Report No. 30-02-03, *Manufacturing industry: Financial 2017*.

The estimates presented here are derived from the results of the 2017 manufacturing large sample survey (LSS).

The previous manufacturing LSS was conducted in 2014 (Reports No. 30-02-03 (2014) and 30-02-04 (2014)).

1.1 Scope and coverage

This survey covers enterprises registered for value added tax (VAT) in the taxation system that are engaged mainly in manufacturing. It includes the following divisions within its scope:

- Manufacture of food products and beverages (SIC 30).
- Manufacture of textiles, clothing, leather and footwear (SIC 31).
- Manufacture of wood and wood products, paper, publishing and printing (SIC 32).
- Manufacture of coke, petroleum, chemical products, rubber and plastic (SIC 33).
- Manufacture of glass and other non-metallic mineral products (SIC 34).
- Manufacture of basic metals, metal products, machinery and equipment (SIC 35).
- Manufacture of electrical machinery and equipment (SIC 36).
- Manufacture of telecommunication and professional equipment (SIC 37).
- Manufacture of transport equipment (SIC 38).
- Manufacture of furniture and other manufacturing (including tobacco and recycling) (SIC 39).

Including

- The South Africa-based activities of enterprises which operate in multiple countries.

1.2 Data items

The following categories of data items were collected: income from own manufactured products, selected production quantities, and purchases of raw materials.

1.3 Reference period

The questionnaires were completed for the financial year of the enterprise which ends on any date between 1 July 2016 and 30 June 2017, according to the usual reporting schedule of the enterprise.

Example

- 1 October 2015 – 30 September 2016
- 1 January 2016 – 31 December 2016
- 1 February 2016 – 31 January 2017
- 1 March 2016 – 28 February 2017
- 1 April 2016 – 31 March 2017

1.4 Current prices

The rand values are at current prices.

1.5 Reliability of data

All estimates compiled for this industry are subject to both sampling and non-sampling errors.

The estimates are subject to sampling variability since they are based on information obtained from a sample. They may therefore 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. The standard error (SE) indicates the extent to which an estimate might have varied by chance, because only a sample of enterprises was used. The relative standard error (RSE) (the standard error expressed as a percentage of the estimate) provides an indication of the percentage error likely to have occurred due to sampling, and thus avoids the need to refer to the size of the estimate. The larger the RSE, the less reliable the estimate is.

The following are some of the likely sources of non-sampling errors: sampling frame not up to date, wrong definitions and classification, phrasing of questions, non-response, processing and estimation. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them with a sample of respondents, editing reported data and implementing efficient operating procedures. Non-sampling errors occur in both sample surveys and censuses.

1.6 Confidentiality

According to Section 17 of the Statistics Act, 1999 (Act No. 6 of 1999), completed questionnaires remain confidential to Statistics South Africa (Stats SA). Individual business information is never disclosed. Results are presented in aggregated form only.

2. Summary of results

2.1 Income from own manufactured products

Table A - Income from own manufactured products by product group, 2014 and 2017

Product group	2014		2017	
	R million	% contribution	R million	% contribution
Food and beverages	344 990	19,7	432 091	20,9
Textiles, clothing and leather products and footwear	43 072	2,5	43 451	2,1
Wood products, paper products and printed matter	110 815	6,4	141 468	6,8
Coke, petroleum products, chemical products, rubber and plastic products	521 207	30,0	522 393	25,3
Glass and other non-metallic mineral products	60 835	3,5	72 712	3,5
Metals, metal products, machinery and equipment	326 534	18,8	367 006	17,8
Electrical machinery and apparatus	46 679	2,7	51 395	2,5
Communication, medical and optical equipment	13 896	0,8	19 781	1,0
Transport equipment	212 995	12,2	332 304	16,1
Furniture and other manufactured products (including recycling)	59 190	3,4	83 120	4,0
Total	1 740 213	100,0	2 065 721	100,0

The total income from own manufactured products for the manufacturing industry in 2017 was R2 065,7 billion. The income represents an increase of 5,9% per annum over the income reported in the corresponding survey of 2014 (R1 740,2 billion). Comparing 2014 and 2017, large increases were reported for 'transport equipment' (+R119,3 billion), 'food and beverages' (+R87,1 billion), 'metals, metal products, machinery and equipment' (+R40,5 billion) and 'wood products, paper products and printed matter' (+R30,7 billion).

Between 2014 and 2017, 'transport equipment' gained the biggest percentage share (+3,9 percentage points) in income from own manufactured products (from a percentage contribution of 12,2% in 2014 to 16,1% in 2017). 'Coke, petroleum products, chemical products, rubber and plastic products' lost the biggest percentage share (-4,7 percentage points) over the same period (from 30,0% in 2014 to 25,3% in 2017).

2.2 Top ten products sold

Table B - Income from top ten own manufactured products

Type of product	2014		2017	
	R million	% share of total own manufacturing	R million	% share of total own manufacturing
Diesel fuel, automotive	79 948	4,6	80 218	3,9
Light commercial vehicles	44 246	2,5	57 256	2,8
Unleaded petrol, 95 octane	49 873	2,9	47 325	2,3
Petroleum refinery products	69 493	4,0	45 893	2,2
Medium passenger motor vehicles	24 141	1,4	43 592	2,1
Bars and rods	28 145	1,6	37 417	1,8
Flat-rolled products of steel	31 017	1,8	36 592	1,8
Lager beer, brewed from malted barley	33 411	1,9	35 886	1,7
Aerated flavoured carbonated soft drinks and soda siphons	23 917	1,4	35 355	1,7
Locomotives and related service vehicles	11 330	0,7	28 668	1,4
Total	395 521	22,7	448 202	21,7

The income of the top ten own manufactured products for the manufacturing industry in 2017 was R448,2 billion (a percentage share of 21,7%). The income represents an increase of 4,3% per annum over the income reported in the corresponding survey of 2014 (R395,5 billion). The product with the largest income was 'diesel fuel, automotive' (R80,2 billion or 3,9%), followed by 'light commercial vehicles' (R57,3 billion or 2,8%) and 'unleaded petrol, 95 octane' (R47,3 billion or 2,3%). Comparing 2014 and 2017, large increases were reported for 'medium passenger motor vehicles' (+R19,5 billion) and 'locomotives and related service vehicles' (+R17,3 billion). 'Petroleum refinery products' (-R23,6 billion) and 'unleaded petrol, 95 octane' (-R2,5 billion) were the only products in the top ten own manufactured products to record a decrease.

'Locomotives and related service vehicles' and 'medium passenger motor vehicles' gained the biggest percentage share (+0,7 percentage points) in income from own manufactured products (from a percentage share of 0,7% in 2014 to 1,4% in 2017, and from 1,4% in 2014 to 2,1% in 2017, respectively). 'Petroleum refinery products' lost the biggest share (-1,8 percentage points) in the same period (from 4,0% in 2014 to 2,2% in 2017).

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Statistician-General

3. Tables

Table 1 – Manufactured products sold in 2014 and 2017: Food and beverages

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Bakery products			20 736 317		24 834 546
Standard brown and white bread, wheat	number	1 609 539 644	10 110 710	1 463 124 895	13 178 999
Other bakery products	value only		7 205 336		7 701 092
Gingerbread and sweet biscuits	kilogram	99 949 135	2 990 928	104 779 504	3 746 793
Crispbread; rusks, toasted bread and similar toasted products	kilogram	11 302 468	429 343	5 409 139	207 662
Dairy products			27 040 052		34 837 905
Milk, pasteurised, homogenised and sterilised	litre	609 951 814	5 137 894	698 435 537	6 698 493
Milk, UHT	litre	599 277 384	5 317 244	513 352 574	5 847 322
Yoghurt and yoghurt products	kilogram	256 368 485	3 660 764	315 915 044	4 983 050
Ice cream and other edible ice	kilogram	166 171 051	1 394 079	207 006 992	2 506 169
Cheddar (pre-packed, grated and other)	kilogram	33 852 177	1 729 701	40 830 190	2 373 678
Other cheese, including mozzarella	value only		1 258 256		1 965 728
Buttermilk and other fermented or acidified (cultured) milk and cream products, including maas, lactic acid drinks (LADs)	litre	154 267 565	1 450 641	169 825 061	1 747 992
Other milk and cream n.e.c.	value only		1 370 127		1 600 415
Dairy products n.e.c.	value only		715 624		1 360 648
Processed cheese and cheese spreads	kilogram	19 548 821	1 002 877	23 580 292	1 356 932
Gouda (pre-packed, grated and other)	kilogram	21 697 339	1 153 597	22 887 609	1 313 793
Milk powder (for human consumption)	kilogram	37 705 042	1 082 852	33 957 208	1 249 754
Butter and other fats and oils derived from milk	kilogram	24 453 367	1 041 307	24 379 697	1 056 347
Cream and whey, fresh or powder	kilogram	30 221 835	725 089	31 228 776	777 584
Fruit and vegetable products			24 207 639		31 510 177
Fruit juices	litre	1 045 621 831	10 125 027	1 133 490 924	12 668 210
Prepared and preserved vegetables, pulses and potatoes	kilogram	290 818 016	6 098 185	323 911 637	7 151 851
Other prepared and preserved fruit and nuts (except by sugar)	value only		2 167 451		5 557 521
Dried fruit and shelled nuts	kilogram	69 213 033	2 137 842	64 903 690	1 892 635
Peaches (canned, bottled, preserved in plastic containers e.g. pouches), including preserved in fruit juice	kilogram	56 577 655	795 646	69 420 022	1 026 253
Fruit pulp and puree, excluding tomato pulp	kilogram	64 415 285	719 408	75 543 514	955 154
Peanut butter	kilogram	29 389 403	986 511	22 737 779	926 501
Natural fruit base concentrates or puree (industrial packs) mainly made of grapes or apples, not for immediate consumption	kilogram	47 681 973	695 714	53 073 141	864 518
Nuts otherwise prepared (e.g. roasted, salted)	kilogram	16 292 453	481 855	14 659 409	467 534

¹Revised figures.²Preliminary figures.

Table 1 – Manufactured products sold in 2014 and 2017: Food and beverages (continued)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Grain Products			51 489 071		63 172 281
Poultry feeds	tonne	3 431 931	12 919 677	3 274 059	16 571 473
Maize meal (mealie meal)	tonne	2 115 468	8 535 777	2 069 254	11 075 300
Other cereal grain products	value only		9 308 643		10 947 013
Instant breakfast foods	kilogram	125 349 797	3 106 389	170 091 426	5 479 128
Cattle feeds	tonne	1 074 593	3 787 423	937 818	3 841 175
Other preparations used in animal feeding	value only		2 291 009		3 183 650
Rice, semi or wholly milled	tonne	510 650	2 996 071	535 439	3 182 805
Other groats, meal and pellets of wheat and other cereals	value only		3 381 926		3 171 849
Protein and other mineral supplement farm feeds	value only		920 171		1 976 961
Mixes and doughs for the preparation of bakers' wares	kilogram	113 057 693	1 298 645	89 773 180	1 316 186
Dry, semi-moist and canned pet foods, dogs, cats	kilogram	190 850 549	1 730 062	122 043 035	1 253 113
Pig feeds	tonne	215 814	694 053	230 714	846 293
Mageu	litre	83 988 606	519 225	47 538 310	327 335
Meat and meat products			43 132 843		47 320 427
Beef and veal, fresh, chilled or frozen	kilogram	571 690 610	17 746 134	632 276 565	21 594 733
Processed meat, including poultry	kilogram	339 586 541	10 719 649	263 550 579	9 758 121
Other meat and meat products (including fish)	value only		6 381 976		6 494 892
Mutton or lamb, fresh, chilled or frozen	kilogram	68 403 624	3 215 372	79 041 458	3 966 056
Pork, fresh, chilled or frozen	kilogram	104 837 652	2 605 362	113 048 792	3 456 505
Packed meat pies or sausage rolls, fresh, frozen, par-baked	kilogram	57 640 093	1 483 117	40 899 667	1 086 221
Edible offal, fresh, chilled or frozen	kilogram	102 663 971	981 233	89 675 817	963 899
Mineral water, soft drinks			27 563 305		39 776 971
Aerated flavoured carbonated soft drinks and soda siphons	litre	3 824 776 215	23 917 319	4 653 513 974	35 354 804
Bottled waters	litre	282 890 516	2 228 478	322 832 807	2 808 475
Non-carbonated soft drinks (e.g. sport or energy drinks), excluding fruit juice	litre	135 725 245	1 306 131	99 937 696	1 225 423
Synthetic dilutables/ cordials (cool drink syrups and bases) in undiluted form	litre	9 544 492	111 377	15 260 625	388 269

¹Revised figures.²Preliminary figures.

Table 1 – Manufactured products sold in 2014 and 2017: Food and beverages (continued)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Other food products			36 065 929		45 498 082
Other food products n.e.c.	value only		4 611 425		6 962 884
Potato crisps, snack food	kilogram	88 208 697	3 655 928	93 611 663	4 468 186
Nutritional foods and dietary supplements; health and performance products; and meal replacements	kilogram	53 999 998	1 856 362	86 853 717	4 056 609
Culinary herbs and other spices including curry	kilogram	169 871 637	3 981 928	127 034 616	3 801 373
Coffee and coffee substitutes	kilogram	37 494 355	2 598 708	41 457 261	3 361 596
Corn chips, snack food	kilogram	94 295 366	2 944 100	103 914 726	3 330 887
Tea and other extracts, essences and concentrates of tea or mate	kilogram	42 962 937	2 061 427	63 282 554	3 271 942
Mayonnaise, salad creams and dressings	kilogram	139 282 856	3 057 514	128 064 367	3 163 837
Sauces	litre	102 492 239	2 256 123	127 402 993	2 886 878
Infant formula and infant food preparations of fruit, vegetables, meat, flours, meal, malt or starch and mixtures thereof, including baby cereals	kilogram	74 735 480	2 295 842	73 191 527	2 664 892
Non-dairy creamers (e.g. coffee and tea creamers, artificial cream)	kilogram	57 723 373	1 300 795	71 215 574	1 895 309
Other mixed condiments and seasoning (aromatics)	value only		1 518 024		1 485 878
Soups and broths	value only		1 622 759		1 426 352
Pasta and noodles	kilogram	61 376 896	837 690	69 805 105	1 117 044
Other powder mixes, including jelly and custard	value only		724 139		956 860
Powdered soft drinks, including powdered iced tea	kilogram	50 418 906	743 165	39 822 787	647 555
Sugar and confectionary			26 095 569		28 252 973
Refined white sugar for export and for local sale	tonne	1 303 581	10 215 173	1 016 490	9 862 790
Chocolate and other food preparations containing cocoa	kilogram	116 548 267	6 892 763	134 490 816	8 242 227
Other sugar and other sugar confectionery	value only		4 495 128		4 590 273
Raw cane sugar for export and for refining for local sales	tonne	399 885	2 158 993	478 164	2 804 599
Gums, jellies, pastilles, lozenges, starch goods, liquorice, toffees and caramels	kilogram	44 972 948	1 475 233	59 199 601	2 086 098
Boiled sweets	kilogram	41 561 904	858 279	26 537 870	666 986
Vegetable and animal oils and fats			23 842 381		36 314 927
Other animal and vegetable oils and fats, n.e.c.; cotton linters; oilcakes and other residues	value only		12 105 115		22 724 752
Sunflower seed oil, refined	litre	370 699 297	4 039 256	426 469 745	5 174 923
Soya-bean oil, refined	litre	337 010 775	3 838 112	367 137 145	4 825 523
Yellow margarine	kilogram	219 454 896	3 404 613	189 336 027	3 030 688
White margarine	kilogram	35 521 445	455 285	38 433 499	559 041

¹Revised figures.²Preliminary figures.

Table 1 – Manufactured products sold in 2014 and 2017: Food and beverages (concluded)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Wines and spirits and other beer			64 817 337		80 573 141
Lager beer, brewed from malted barley	litre	3 008 897 072	32 611 273	3 118 733 888	34 989 285
Alcoholic (fruit) flavoured beverages (FABs) and other alternative alcoholic beverages (e.g. ciders, spirit coolers and ready-to-drinks - RTDs)	hecto litre	4 334 604	6 183 849	8 893 296	14 338 294
Other spirituous liquors and mixes including whisky, gin, vodka and liquor	value only		7 534 728		7 763 881
Rebate brandy and brandy blends	l(AA)	28 356 362	6 484 617	28 416 958	7 701 860
Natural (unfortified) wines, still	hecto litre	2 500 179	4 284 507	2 963 900	6 150 246
Bulk unfortified (natural) wine (good wine) and bottled sparkling wine, perle wines and other still unfortified wines	value only		2 937 801		3 683 155
Other wines and spirits	value only		2 559 780		2 917 864
Malt, whether roasted or not	tonne	306 290	1 421 535	328 047	2 132 312
Sorghum beer	value only		799 247		896 244
Total			344 990 443		432 091 430

¹Revised figures.²Preliminary figures.

Table 2 – Manufactured products sold in 2014 and 2017: Textiles, clothing and leather products and footwear

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Clothing			17 540 856		18 399 211
Wearing apparel, knitted or crocheted	value only		4 998 690		5 762 176
Women's and girls' clothing	value only		4 885 828		5 143 793
Articles of apparel, clothing accessories and other articles of furskin (except headgear), garments made up of felt or nonwovens and textile fabrics impregnated or coated with plastics, rubber or other materials and waterproof clothing of plastic and textile fabrics coated, covered or laminated with plastics including other made-up textile articles	value only		2 775 303		3 026 047
Men's and boys' clothing	value only		2 353 268		2 265 221
Uniforms of military type, other uniforms and corporate wear	number	2 389 053	471 391	3 009 873	663 584
Protective overalls, dust coats and boiler suits	value only		785 007		448 793
Specialised protective and safety clothing, body armour garments (e.g. flame, acid, water resistant, ballistic, stab resistant) and accessories body armour vests	value only		386 010		419 538
Hats, caps and berets, including hair nets, except safety headgear	value only		448 707		354 034
Babies' outerwear and underwear of natural fibres including booties and clothing of woven fabric	value only		436 652		316 025
Leather and footwear			11 032 118		9 150 648
Footwear with outer soles, gumboots and similar waterproof footwear, uppers and outer soles of plastic, other than sports footwear	pairs	29 751 272	5 087 677	38 841 594	3 246 990
Bovine (cattle and buffalo), calf or equine leather stock, mineral and vegetable tanned and semi tanned	value only		1 556 151		2 560 991
Bovine (cattle and buffalo), calf or equine leather, upholstery leather for the automotive industry	value only		2 648 118		1 737 896
Ostrich skin leather	square decimetre	42 202 584	813 878	64 744 109	814 625
Leather, leather products and sports footwear	value only		484 262		475 727
Other footwear parts including soles, heels, tips of leather, plastic and other material excluding rubber and removable insoles	value only		442 032		314 419

¹Revised figures.²Preliminary figures.

Table 2 – Manufactured products sold in 2014 and 2017: Textiles, clothing and leather products and footwear (concluded)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Textiles			14 499 306		15 900 913
Textile products for the automotive industry, including leather	value only		2 084 325		2 434 994
Bed linen and blankets	value only		1 507 373		2 054 236
Yarn and other woven fabrics	value only		1 803 489		1 938 360
Other carpets and other textile floor coverings	value only		1 777 622		1 819 759
Woven fabrics of cotton and other vegetable fibres	value only		725 723		1 312 177
Non-woven fabrics	value only		820 762		1 218 380
Tricot and raschel warp knitted knit fabrics and piece goods (colour knitted, plain dyed or printed) of natural and man-made yarns	kilogram	7 115 546	245 703	14 022 834	831 195
Textile fabrics, impregnated, coated, covered or laminated	value only		786 679		624 161
Vegetable textile fibres and mixture thereof, yarn or thread including cotton sewing thread	value only		687 421		591 631
Natural animal fibres	value only		808 673		591 149
Curtains (including drapes) and interior blinds; curtain or bed valances	value only		764 865		566 193
Terry towelling and bathroom and toilet linen	value only		445 135		496 907
Tents	value only		389 655		491 553
Man-made and artificial filaments and synthetic staple fibres	value only		738 279		422 686
Narrow knitted and knitted fabric	value only		314 957		277 313
Weft knitted knit fabrics of natural and manmade yarns	value only		598 645		230 219
Total			43 072 280		43 450 772

¹Revised figures.²Preliminary figures.

Table 3 – Manufactured products sold in 2014 and 2017: Wood products, paper products and printed matter

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Printed matter			39 220 190		45 761 261
Trade advertising material, commercial catalogues and the like	value only		6 458 159		6 921 648
Other printed matter including transfers (decalcomanias) and printed calendars	value only		2 766 924		6 398 632
Other books, in print including general reference books and directories	value only		5 511 048		6 142 540
Business, professional or academic newspapers and periodicals, other than daily, in print and other newspapers and periodicals, other than daily, in print and general interest newspapers and periodicals, other than daily, in print	value only		4 736 911		5 950 362
Other registers, account books, notebooks, letter pads, diaries and similar articles, blotting-pads, binders, file covers, forms and other articles of stationery, of paper or paperboard	value only		3 585 961		5 355 826
Printed paper and paperboard labels/ tags/ stickers, self-adhesive (flexo-laminated, pressure sensitive), paste-on, wet-glue	value only		3 225 919		3 407 468
Newspapers and periodicals, daily, in print	value only		3 687 364		2 944 121
Continuous stationery (e.g. telex rolls, computer rolls and computer stationery)	value only		2 468 900		2 474 108
Journals, periodicals and magazines, appearing other than daily - printed for other publishers	value only		1 261 030		1 800 109
Educational textbooks, in print	value only		1 884 714		1 495 482
Security printing (e.g. cheque forms, banknotes, document of title, certificates, pre-paid vouchers or cards, stamps, ballot papers)	value only		1 921 077		1 385 247
Exercise books, soft cover (manila)	value only		560 572		577 754
Manuscript books, hard cover (quarter bound)	value only		151 137		546 093
Maps and hydrographic or similar charts printed, other than in book-form; music, printed or in manuscript; printed pictures, designs and photographs, plans and drawing for architectural or similar purposes	value only		534 253		153 021
Composed type, prepared printing plates or cylinders, impressed lithographic stones or other impressed media for use in printing	value only		156 271		130 998
Printed or illustrated postcards; printed cards bearing personal greetings or messages, with or without envelopes or trimmings	value only		309 950		77 852
Wood products			71 594 718		95 706 607
Corrugated (fluting) cardboard boxes or folding cartons (whether laminated or not)	value only		13 938 431		20 970 746
Pulps of wood or other fibrous cellulosic material; and articles of cork and straw or other plaiting materials; basketware and wickerwork; and other products of wood	value only		8 064 170		10 140 013
Other toilet tissue stock, uncoated kraftliner and uncoated paper and paperboard; miscellaneous other papers, in rolls or sheets, recycled paper and toilet or facial tissue stock, towel or napkin and similar stock	value only		7 166 518		9 803 195

¹Revised figures.²Preliminary figures.

Table 3 – Manufactured products sold in 2014 and 2017: Wood products, paper products and printed matter (concluded)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Wood products (concluded)					
Built-in (fixed) wooden household furniture and other builders' joinery and carpentry of wood (including assembled wooden parquet panels); wooden (timber) roof trusses; laminated floor boards of wood; other laminated structural timber; and shop fitting of wood	value only		4 415 519		4 593 733
Wood in chips or particles; wood wool or shavings	tonne	2 704 586	3 166 698	3 322 504	4 248 744
Sanitary towels and tampons and disposable nappies for babies	1000's	2 132 828	2 380 599	3 264 511	3 908 806
Particle board and similar board	cubic metre	1 092 838	3 292 264	1 094 424	3 816 269
Sacks and bags of paper	kilogram	125 954 191	1 957 841	189 216 142	3 610 680
Untreated structural, industrial and other timber, sawn lengthwise, not further processed including poles including lagging saw for underground support (e.g. mining) and other untreated poles other than mining	cubic metre	1 267 236	2 749 614	920 636	2 970 889
Corrugated single and double wall paperboard in sheets	value only		1 393 524		2 943 163
Toilet paper	number of rolls	746 496 711	1 331 068	755 569 267	2 566 672
Fluting paper, including straw and semi-chemical, uncoated, in rolls and sheets	tonne	236 173	1 110 679	424 306	2 548 359
Liner boards, kraft liners and other kraft liners, uncoated, unbleached, in rolls or sheets	value only		1 476 675		2 484 396
Food cartons (e.g. frozen food, milk, cream, etc.)	value only		1 896 595		2 433 456
Wood in the rough, treated with paint, stains, creosote or other preservatives; and other timber, treated with paint, stains, other preservatives	cubic metre	1 118 834	2 463 147	727 659	2 406 922
Other corrugated paper and paperboard and containers of paper and paperboard	value only		2 265 170		2 297 232
Packing cases, boxes, crates, drums and similar packings, of wood; cable-drums of wood; pallets, box pallets and other load boards, of wood; casks, barrels, vats, tubs and other coopers' products and parts thereof, of wood (including staves)	value only		1 825 193		1 791 205
Wooden garage, folding, sliding and flush panel doors, hollow core, semi-solid, solid and other panel or moulded doors, excluding louvered doors	number	1 966 180	1 153 409	2 416 263	1 330 800
Wooden door frames; louvered shutters or doors of wood; wooden windows and window frames (skylights); and staircases, balustrades or trellises of wood	value only		758 300		970 972
Other wood, plywood, veneer products including saw and veneer logs, coniferous and non-coniferous species, not treated	value only		1 491 444		797 654
Fibreboard of wood or other ligneous materials	value only		1 165 361		619 777
Other paper and paperboard products including processed paper and paperboards	value only		6 132 499		8 452 924
Total			110 814 908		141 467 868

¹Revised figures.²Preliminary figures.

Table 4 – Manufactured products sold in 2014 and 2017: Coke, petroleum products, chemical products, rubber and plastic products

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Chemical products			102 190 137		107 969 800
Mineral or chemical fertilisers containing at least two nutrients of nitrogen, phosphate and potash; and other fertilisers	value only		14 149 266		15 275 910
Carboxylic acids and other organic chemicals and compounds	litre	1 602 689 073	16 457 345	1 125 427 948	13 083 197
Prepared explosives; safety fuses; detonating fuses; percussion or detonating caps; igniters; electric detonators; and other pyrotechnic articles, except matches and other combustible materials	value only		9 556 786		11 675 596
Insecticides, fungicides, herbicides and disinfectants	value only		4 773 978		8 777 300
Other chemical treatment preparations and finishing agents for industrial uses	value only		7 615 097		7 335 065
Ethylene polymers and copolymers (PET, HDPE, LDPE, EVA)	kilogram	478 394 071	7 736 977	312 747 260	6 090 767
Alcohols, phenols, phenol-alcohols, and their halogenated, sulphonated, nitrated or nitrosated derivatives; industrial fatty alcohols	value only		8 641 776		5 971 903
Hydrogen, nitrogen, oxygen, carbon dioxide and rare gases; inorganic oxygen compounds of non-metals n.e.c.	value only		4 286 855		5 520 454
Chemical elements; inorganic acids; inorganic oxygen compounds of boron, silicon and carbon; halogen or sulphur compounds of non-metals; sodium hydroxide; hydroxide and peroxide of magnesium; oxides, hydroxides and peroxides of strontium or barium; aluminium hydroxide; hydrazine and hydroxylamine and their inorganic salts	value only		4 905 799		4 717 266
Glues and gelatine, peptones and their derivatives, and related products; caseinates and other casein derivatives; albuminates and other albumin derivatives	value only		3 610 280		3 191 453
Tanning or dyeing extracts, tannins and their derivatives; colouring matter n.e.c.; gums and wood preservatives	kilogram	73 957 806	759 594	213 104 222	2 872 157
Synthetic rubber (e.g. SBR, XSBR, EPDM) and mixtures thereof in primary forms or in plates, sheets or strips	kilogram	80 318 363	2 145 870	98 011 556	2 687 319
Salts of oxometallic or peroxometallic acids; colloidal precious metals and compounds thereof; inorganic and organic compounds of mercury; other inorganic chemicals n.e.c.; compressed air; amalgams	kilogram	282 797 408	2 157 491	232 951 649	2 584 806
Perfumes, colognes and toilet waters, including lavender and essential oil flavours and fragrances; concentrates for perfuming or deodorising rooms and preparations thereof	value only		1 854 707		2 565 639
Lubricating preparations and preparations of a kind used for the oil or grease treatment of materials, except of petroleum; prepared additives for mineral oils; prepared liquids for hydraulic transmission, except of petroleum; anti-freezing preparations and prepared de-icing fluids	value only		2 259 040		2 390 515
Bleach and other surface active cleaning preparations including hand cleaners	value only		1 228 009		2 153 727
Specialised mining chemicals	kilogram	47 141 336	1 290 915	61 342 981	2 049 463
Water and pool treatment chemicals (defoamers)	kilogram	73 619 293	1 708 644	75 874 851	1 920 506

¹Revised figures.²Preliminary figures.

Table 4 – Manufactured products sold in 2014 and 2017: Coke, petroleum products, chemical products, rubber and plastic products (continued)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Chemical products (concluded)					
Zinc oxide; zinc peroxide; chromium oxides and hydroxides; manganese oxides; iron oxides and hydroxides; earth colours; cobalt oxides and hydroxides; titanium oxides; lead oxides; red lead and orange lead; inorganic bases n.e.c.; metal oxides, hydroxides and peroxides n.e.c., except of mercury	kilogram	98 629 135	1 480 107	105 434 273	1 616 442
Ethylene, propylene, butylene, butadiene and other petroleum gases or gaseous hydrocarbons, except natural gas	kilogram	247 067 461	1 546 576	137 934 369	1 196 016
Other radioactive elements and isotopes and compounds; alloys, dispersions, ceramic products and mixtures containing these elements, isotopes or compounds; radioactive residues	value only		462 605		1 114 919
Other basic inorganic chemicals n.e.c. and compounds	value only		712 648		1 069 990
Industrial cleaning chemicals	kilogram	63 489 180	818 642	66 958 950	1 017 561
Miscellaneous basic chemical products	value only		1 792 990		574 621
Table (edible) salt (sodium chloride)	kilogram	62 440 549	238 140	108 479 132	517 208
Cleaning preparations and toiletries					
Detergents: liquid, powder, fabric softeners and other washing preparations	value only		3 887 202		7 316 375
Face creams and face lotions, skin care ranges, hand lotions and creams; other hand, foot and nail cosmetics and manicure or pedicure preparations and colour cosmetics	value only		2 445 805		4 448 008
Toilet and antiseptic soap (bars) and liquid soap	kilogram	80 904 441	1 920 839	109 395 639	3 078 704
Toothpaste and other mouth preparations (e.g. mouthwash, dentifrices)	kilogram	20 924 685	1 099 205	34 318 624	1 845 312
Laundry soap, bars and tablets	kilogram	85 874 711	1 035 526	134 492 537	1 792 041
Body deodorants and antiperspirants	value only		1 045 229		1 755 021
Body lotions, skin lighteners, sun-tan and similar skin foods; pre-shave, shaving or other shave preparations; after shave lotions and other hair removing preparations	value only		1 249 595		1 705 622
Liquid and cream shampoos and other hair preparations including hair straighteners	value only		1 247 766		1 379 380
Cleaning and polishing preparations	kilogram	37 363 961	900 590	52 533 632	1 357 648
Paints, fillers and other surface preparations					
Other paints and varnishes and related products	value only		7 134 485		7 377 468
Polyvinyl acetate (PVA) and emulsion paints, water based	litre	104 394 025	2 521 102	93 367 566	2 730 507
Printing ink and other printing ink including artists', students' or signboard painters' colours, modifying tints, amusement colours and the like	value only		1 095 681		1 784 125
Enamel paints, solvent based, non-drip and normal, including stoving enamels	litre	59 373 185	1 402 744	59 109 764	1 631 463
Car finishes (automotive paints) and metal decorating finishes, solvent based	value only		1 090 686		1 461 225
Varnishes (domestic, insulating and industrial) and lacquers	value only		687 643		612 261
Masterbatch	value only		591 668		419 880
Prepared pigments, colours, tinters, opacifiers and the like	value only		753 913		271 386

¹Revised figures.²Preliminary figures.

Table 4 – Manufactured products sold in 2014 and 2017: Coke, petroleum products, chemical products, rubber and plastic products (continued)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Petroleum products			268 099 046		237 372 008
Diesel fuel, automotive	kilolitre	8 356 205	79 947 960	12 968 925	80 218 268
Petrol (motor spirit/ gasoline), unleaded (ULP) 95 octane	kilolitre	5 500 661	49 872 701	7 174 638	47 324 799
Petroleum refinery products	kilogram	805 195 720	69 493 112	612 122 837	45 893 106
Petrol (motor spirit/ gasoline), unleaded (ULP) 93 octane	kilolitre	2 296 708	19 173 009	3 440 507	21 301 181
Aviation/aircraft fuel (gasoline, spirit type), jet and turbo fuel, kerosene and kerosene type jet fuel (aviation kerosene) and other products derived from paraffin	kilolitre	2 190 976	12 914 491	2 649 103	12 512 928
Fuel oils n.e.c.	kilolitre	1 964 547	9 665 352	1 044 321	7 906 919
Hydrocarbons and their halogenated, sulphonated, nitrated or nitrosated derivatives and other light petroleum oils and oils obtained from bituminous materials, other than crude	value only		11 359 135		7 516 089
Lubricating petroleum oils and oils obtained from bituminous minerals, other heavy petroleum oils and heavy oils obtained from bituminous minerals (other than crude), and heavy preparations n.e.c. containing not less than 70% by weight of petroleum oils or oils obtained from bituminous minerals (other than crude), these oils being the basic constituents of the preparations	value only		6 849 519		6 356 236
Propane and butanes, liquefied	kilogram	662 848 828	4 228 346	358 944 605	3 795 580
Petrol (motor spirit/ gasoline), lead replacement (LRP) 93 and 95 octane	kilolitre	282 451	2 813 449	281 357	2 375 863
Stoker plant char (charcoal), retort carbon, coal coke and tar and other mineral tars	tonne	740 918	1 781 972	874 429	2 171 039
Pharmaceuticals			19 539 893		23 473 380
Other pharmaceutical products and other medicaments, for therapeutic or prophylactic uses	value only		4 866 617		5 037 629
Medicines affecting autonomic functions, respiratory and vascular medicines	value only		3 571 719		4 258 232
Antiviral (e.g. HIV drugs) and antimicrobial drugs, and antibiotics, tablets, capsules, pills, powder including preparations	value only		1 669 930		4 084 693
Other articles for medical or surgical purposes	value only		2 159 477		3 180 847
Compounds containing aspirin and/or paracetamol	kilogram	5 066 603	2 023 612	4 403 089	2 922 955
Vitamins and multivitamins, hormones; glycosides and vegetable alkaloids and their salts, ethers, esters and other derivatives; antibiotics and preparation thereof	value only		3 013 950		2 486 100
Veterinary medicaments and vaccines and antisera (injections)	value only		1 395 234		989 822
Homeopathic, herbal medicines or traditional remedies	value only		839 354		513 102
Plastic products			85 664 546		95 924 661
Polymers of styrene, polypropylene, vinyl chloride or other halogenated olefins, in primary forms	value only		38 299 664		28 508 690
Motor vehicle parts and components of plastic	value only		3 228 704		9 767 744

¹Revised figures.²Preliminary figures.

Table 4 – Manufactured products sold in 2014 and 2017: Coke, petroleum products, chemical products, rubber and plastic products (continued)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Plastic products (concluded)					
Foam slabs, blocks, sheets, profiles and shapes, excluding mattresses, of polyurethane, rigid	value only		5 003 979		8 001 882
Other plates, sheets, film, foil and strip, of plastics, not self-adhesive, non-cellular and not reinforced, laminated, supported or similarly combined with other materials; and other plates, sheets, film, foil and strip, of plastics	value only		2 975 451		6 477 440
Tubes, pipes and hoses, and fittings therefor, of plastics	value only		4 394 259		6 391 960
Polyethylene plastic film packaging, in rolls or sheets, of a thickness up to 1mm	value only		5 118 023		3 827 636
Polyethylene carrier, carry and self-opening bags for consumables	value only		3 515 151		3 546 928
Other articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps and other closures, of plastics	value only		1 716 392		3 223 514
Industrial mouldings of plastic and other plastic mouldings	value only		907 491		2 989 482
Polyacetals, other polyethers and epoxide resins, in primary forms; polycarbonates, alkyd resins, polyallyl esters and other polyesters, in primary forms; and other plastics in primary forms; ion exchangers	value only		2 830 318		2 530 440
Articles of plastics n.e.c.	value only		3 055 086		2 425 843
Tableware, kitchenware, acrylic sanitary ware (plastic) and other household and toilet articles of plastics	value only		2 505 981		2 348 756
Plastic containers, including bottles, for domestic liquids (e.g. cleaning), capacity 2L and less	value only		1 589 283		2 323 673
Cups and tubs (aseptic packaging and food containers) of plastic, under 370ml - bag-in-box packaging, thin wall injection moulding	kilogram	75 014 051	1 364 533	111 399 939	2 200 132
Polyethylene and other plastic sacks and bags excluding polypropylene bags	value only		1 184 748		1 605 377
Crates of plastic (HDPE injection moulded)	kilogram	21 253 426	734 664	37 773 284	1 495 367
Plastic containers, including bottles, for beverages and water, capacity 2L and less	value only		1 056 542		1 475 807
Plastic boxes for packaging, stacking shipping, tool boxes, cooler boxes, silos and tanks of plastics	value only		1 444 586		1 383 790
Stoppers, lids, caps, discs and other closures, of plastic (foil, screw cap, twist cap)	value only		716 503		1 165 435
Polyethylene industrial sleeveings and linings, including shrink and stretch sleeve wrap around labels, plain or printed, industrial and heavy duty bags, excluding knitted and woven bags	value only		1 137 955		918 228
Self-adhesive plates, sheets, film, foil, strips	value only		508 656		845 791
Polypropylene bags (e.g. food, fertilisers, chemicals), knitted or woven	value only		595 610		838 698
Stationery goods of plastic (e.g. file, book and document covers (slip-on), letter files and letter trays, cards)	value only		468 062		454 487
Man-made fibres and monofilament of which any cross-sectional dimension exceeds 1 mm, rods, sticks and profile shapes, of plastics	value only		267 835		437 305
Floor coverings of plastics, in rolls or in the form of tiles; wall or ceiling coverings of plastics	value only		785 983		364 835
Other plastic and plastic products	value only		259 087		375 421

¹Revised figures.²Preliminary figures.

Table 4 – Manufactured products sold in 2014 and 2017: Coke, petroleum products, chemical products, rubber and plastic products (concluded)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Rubber products			15 603 989		16 686 967
Tyres: pneumatic, new, for motor cars (e.g. radial ply)	number	6 737 573	3 453 748	8 048 750	5 676 304
Tyres: pneumatic, new, for buses and trucks, giant and industrial vehicles	number	829 528	2 271 258	940 731	2 612 028
Tyres: pneumatic, new, for light trucks (LDVs)	number	2 794 694	2 438 517	2 651 863	2 509 957
Conveyor or transmission belts or belting, of vulcanised rubber	value only		2 719 321		2 149 671
Tyres: pneumatic, new for other vehicles (e.g. motorcycles, bicycles), front and rear tractor tyres, earth movers and graders and inner tubes, new for all vehicles including solid rubber wheels or cushion tyres	number	1 728 473	1 234 409	1 302 950	1 180 604
Retreaded pneumatic tyres of rubber and camel-back strips for retreading rubber tyres	value only		1 164 729		962 384
Unvulcanised compounded rubber, in primary forms or in plates, sheets or strip; unvulcanised rubber in forms other than primary forms or plates, sheets or strip (except 'camel-back' strips for sheets or strip); articles of unvulcanised rubber; thread, cord, plates, sheets, strip, rods and profile shapes, of vulcanised rubber other than hard rubber	value only		948 122		601 363
Rubber mountings, washers, rollers and other vulcanised rubber parts for industrial or mining machinery and equipment	value only		674 677		422 160
Rubber parts for motor vehicles	value only		217 417		286 805
Other rubber products	value only		481 791		285 691
Total			521 207 290		522 393 242

¹Revised figures.²Preliminary figures.

Table 5 – Manufactured products sold in 2014 and 2017: Glass and other non-metallic mineral products

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Cement and cement blends	tonne	14 424 281	16 017 272	14 594 249	19 568 713
Glass and glass products	value only		11 332 608		13 942 828
Tiles, flagstones, bricks and similar articles, of concrete, cement, plaster, lime and artificial stone	value only		7 618 984		10 294 323
Non-refractory mortars and concretes	cubic metre	6 485 769	7 505 103	6 656 913	9 175 939
Bituminous mixtures based on natural and artificial stone materials and bitumen, natural asphalt or related substances as a binder; and articles of asphalt or of similar material	value only		2 730 814		4 561 551
Prefabricated structural components for building or civil engineering, of cement, concrete or artificial stone	value only		3 888 792		3 572 754
Ceramic floor and wall tiles	square metre	41 233 146	1 534 772	59 649 166	3 445 623
Other non-metallic mineral products n.e.c.	value only		2 206 152		2 316 320
Other refractory products and structural non-refractory clay products	value only		4 028 328		2 181 633
Building bricks	value only		2 080 788		1 975 020
Monumental or building stone and articles thereof	value only		1 027 971		1 170 618
Non-structural ceramic ware	value only		863 100		506 423
Total			60 834 684		72 711 745

¹Revised figures.²Preliminary figures.

Table 6 – Manufactured products sold in 2014 and 2017: Metals, metal products, machinery and equipment

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Basic metals			161 989 717		181 499 449
Bars and rods	tonne	2 332 485	28 144 696	2 411 934	37 417 145
Flat-rolled products of steel	tonne	3 262 387	31 017 180	3 945 796	36 592 354
Primary materials of the iron and steel industry	tonne	2 889 688	22 795 969	2 839 869	19 537 762
Gold (including gold plated with platinum), unwrought or in semi-manufactured forms, or in powder form	ounce	510 751	6 058 485	1 102 095	15 967 281
Platinum, unwrought or in semi-manufactured forms, or in powder form	ounce	784 205	11 461 938	906 977	12 718 246
Other non-ferrous metals and articles thereof (including silver, waste and scrap of some metals); cements and articles thereof	value only		16 883 239		10 816 345
Semi-finished products of aluminium or aluminium alloys	value only		9 010 036		10 542 160
Tubes, pipes and hollow profiles, of steel	value only		9 350 628		8 813 020
Base metals clad with silver, and base metals, silver or gold clad with platinum, not further worked than semi-manufactured	value only		5 707 903		7 770 059
Wire of iron, non-alloy and alloy steel	value only		6 218 015		6 761 288
Angles, shapes and sections, not further worked than hot-rolled, hot-drawn or extruded of iron or non-alloy steel; sheet piling of steel; welded angles, shapes and sections, of steel; railway or tramway track construction material of steel	value only		7 290 553		6 529 287
Copper, nickel, aluminium, alumina, lead, zinc and tin, unwrought	value only		5 384 431		6 366 612
Semi-finished products of copper, nickel, lead, zinc and tin or their alloys	value only		2 666 644		1 667 890
Machinery and equipment			101 834 333		102 750 471
Mining, quarrying and construction machinery and parts thereof	value only		13 258 436		13 577 655
Other moving, grading, levelling, scraping, excavating, tamping, compacting or extracting machinery, self-propelled, for earth, minerals or ores (including bulldozers, mechanical shovels and road rollers); and pile-drivers and pile-extractors; snow-ploughs and snow-blowers; other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, not self-propelled, for earth, minerals or ores; machinery n.e.c. for public works, building or the like	value only		13 766 592		10 140 507
Pumps, compressors, hydraulic and pneumatic power engines, and valves, and parts thereof	value only		9 497 157		8 870 875
Agricultural or forestry machinery; machine-tools; office and accounting machinery; and parts and accessories thereof	value only		6 716 157		8 653 558
Continuous-action elevators, pneumatic and other continuous action elevators and conveyors for goods or materials and other lifting and handling equipment and parts thereof	value only		9 083 033		8 177 302
Heat exchangers, air humidifiers, dehumidifiers, ionisers or air distributors or ventilators and producer gas or water gas generators	value only		2 986 465		7 648 867
General-purpose machinery n.e.c.	value only		4 387 420		6 463 019
Weapons and ammunition and parts thereof	value only		5 981 375		6 452 001
Domestic appliances and parts thereof	value only		5 922 365		5 033 678

¹Revised figures.²Preliminary figures.

Table 6 – Manufactured products sold in 2014 and 2017: Metals, metal products, machinery and equipment (concluded)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Machinery and equipment (concluded)					
Other special-purpose machinery and parts thereof	value only		5 965 976		4 533 458
Hand tools and interchangeable tools for hand tools or for machine tools	value only		2 342 144		4 377 192
Bearings, gears, gearing and driving elements, and parts thereof	value only		6 028 762		2 902 563
Boilers and parts thereof	value only		1 581 699		2 809 731
Tanks, drums, reservoirs of iron, steel or aluminium	value only		3 637 730		2 666 460
Machinery for the food, beverage and tobacco industries; and parts thereof	value only		2 511 709		2 329 978
Oil filters, petrol filters and air intake filters for internal combustion engines	value only		1 524 473		2 015 391
Refrigerating and freezing equipment and heat pumps, except household type equipment	value only		1 714 992		1 921 008
Air conditioning units	number	796 413	1 396 382	957 973	1 724 663
Filtering and purifying machinery and apparatus, for liquids and gases, except oil filters, petrol filters and air intake filters for internal combustion engines	value only		1 471 736		1 462 750
Parts for gas generators; distilling plants; air conditioning and refrigerating equipment; filtering machinery; and general-purpose machinery n.e.c.	value only		2 059 730		989 815
Metal products			62 709 989		82 756 002
Steel, cut, bent, slit, value-added or manufactured according to customer specifications, including prototypes	value only		10 835 921		21 284 381
Containers, packaging materials of metal and metal closures	number	1 124 307 899	7 178 112	1 737 626 074	14 367 701
Structural steelwork and parts of structures of iron, steel or aluminium	value only		18 407 414		14 137 738
Other metal products	value only		4 341 613		7 757 831
Metal fasteners, springs and miscellaneous articles made from metal wire	value only		6 095 349		7 257 535
Roof sheeting (e.g. corrugated iron sheets), prepared for use in structures	value only		5 455 417		4 911 727
Other doors, windows and their frames and thresholds for doors, of iron or steel	value only		2 071 953		3 432 764
Bridges, bridge sections, towers and lattice masts, of iron or steel	value only		2 472 447		3 019 312
Reinforcing metal products (e.g. gabions, re-bars), including wire reinforcing fabric/mesh and strips, for use in structures	value only		2 273 070		2 669 427
Windows and door frames, predominantly ferrous	value only		1 029 761		1 595 714
Windows, window and skylight frames, aluminium	value only		1 093 994		1 193 214
Domestic metal products (sanitary ware of metal and household articles of metal)	value only		1 454 938		1 128 658
Total			326 534 039		367 005 922

¹Revised figures.²Preliminary figures.

Table 7 – Manufactured products sold in 2014 and 2017: Electrical machinery and apparatus

Type of product	2014 ¹	2017 ²
	R'000	R'000
Electric motors, generators, alternators and transformers and parts thereof	10 723 731	10 093 328
Electricity distribution and control apparatus, and parts thereof	9 600 815	9 038 197
Electronic components and equipment, other electrical equipment and parts thereof	5 726 315	6 803 490
Accumulators, primary cells and primary batteries, and parts thereof	2 639 228	5 718 841
Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships	3 159 378	5 255 675
Electric conductors (insulated wire and cables), whether or not fitted with connectors, for a voltage not exceeding 1000V and optical fibre cables	2 555 601	3 241 212
PVC (polyvinyl chloride) insulated copper conductor power cables (underground and overhead), whether unscreened, screened (shielded), armoured or a combination thereof	2 995 716	2 522 839
Electric filament or discharge lamps; arc lamps; lighting equipment; parts thereof	1 889 055	2 459 233
Other electric conductors, for a voltage exceeding 1000 V	1 929 706	2 023 665
Uninsulated copper power cable conductors (e.g. earthing)	1 391 199	1 459 697
Electrical ignition or starting equipment of a kind used for internal combustion engines; generators and cut-outs of a kind used in conjunction with internal combustion engines; electrical lighting or signalling equipment (except filament or discharge lamps), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles	1 076 405	936 548
XLPE (polyethylene) insulated aluminium conductor power cables, whether unscreened, screened (shielded), armoured or a combination thereof	940 340	734 378
XLPE (polyethylene) insulated copper conductor power cables (underground and overhead), whether unscreened, screened (shielded), armoured or a combination thereof	944 279	718 253
Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon of a kind used for electrical purposes	1 107 640	390 067
Total	46 679 408	51 395 423

¹Revised figures.²Preliminary figures.

Table 8 – Manufactured products sold in 2014 and 2017: Communication, medical and optical equipment

Type of product	2014 ¹	2017 ²
	R'000	R'000
Radio broadcast and television receivers; apparatus for sound and video recording and reproducing; microphones, loudspeakers, amplifiers, etc.	3 917 485	6 985 167
Television and radio transmitters, television, video and digital cameras, telephone sets, radio broadcast and television monitors and projectors, recorded disks, tapes or other media, systems software and parts thereof	1 486 307	3 767 504
Other instruments and appliances for measuring, checking, testing, navigating and other purposes, except optical instruments; industrial process control equipment; parts and accessories thereof	3 126 237	3 723 362
Gas, liquid (water) or electricity supply or production meters (prepayment meters)	1 421 905	1 748 897
Medical and surgical equipment and orthopaedic appliances	1 180 044	1 424 335
Cards with magnetic strips or chip	822 839	980 405
Optical instruments and photographic equipment, and parts and accessories thereof	976 399	681 877
Set-top boxes	821 076	310 454
Audio, video and other disks, tapes and other physical media, recorded; packaged software	143 946	159 127
Total	13 896 238	19 781 128

¹Revised figures.²Preliminary figures.

Table 9 – Manufactured products sold in 2014 and 2017: Transport equipment

Type of product	2014 ¹	2017 ²
	R'000	R'000
Equipment for transport by road	189 804 673	292 098 261
Light commercial vehicles (light CV) with GVM less than 3500 kg, for the transport of goods	44 246 352	57 256 482
Medium passenger motor vehicles, cubic capacity of 1400 cc up to 2500 cc	24 141 231	43 592 224
Heavy (GVM 8501 to 16500 kg) and extra heavy commercial vehicles (GVM 16500 kg and more) for the transport of goods	11 491 543	22 453 441
4 x 4 recreational passenger vehicles / SUVs (sport utility vehicle) and MUVs (multipurpose vehicle)	10 530 487	21 683 745
Small passenger motor vehicles, cubic capacity 1400 cc or less	17 507 791	21 645 292
Auto-catalysts (catalytic convertors), complete; coated and uncoated monolith	14 560 436	20 594 083
Other parts, components and accessories of motor bodies	6 810 888	16 340 137
Large passenger motor vehicles, cubic capacity 2500 cc and higher	5 114 243	13 997 155
Other parts and accessories n.e.c. of motor vehicles	10 831 460	13 387 907
Exhaust systems, complete system of silencers and exhaust pipes, for the automotive industry	6 495 122	11 205 619
Car seat cushions (complete), for the automotive textile industry, including leather	4 896 309	8 567 327
Other trailers and semi-trailers; containers	6 767 361	7 393 777
Medium commercial vehicles (medium CV) with GVM 3501 kg to 8500 kg, for the transport of goods	4 725 917	4 934 458
Public transport type passenger motor vehicles, including minibus taxis	2 844 715	4 765 569
Road tractors for semi-trailers	2 337 926	3 426 695
Front and rear axles	2 633 182	2 824 655
Containers specially designed and equipped for carriage by one or more modes of transport	2 213 869	2 714 401
Buses and motor coaches	2 143 332	2 630 246
Alloy and road wheels for vehicles, wheel rims, caps and hubs (of steel or other material)	1 350 955	2 249 790
Bodies for motor vehicles	829 535	2 016 606
New and reconditioned hydraulic and other brake systems and parts	673 260	1 812 651
Brake pads	1 097 264	1 529 856
Parts, components and accessories of trailer and semi-trailer bodies	798 466	1 445 820
Other parts and components for exhaust systems	2 218 237	797 931
Air bags for the automotive textile industry	494 718	777 266
Mobile homes, caravans (including collapsible caravans) and caravan type trailers and semi-trailers	837 534	763 696
Shock absorbers	541 934	763 444
Other motor vehicles	670 606	527 988

¹Revised figures.²Preliminary figures.

Table 9 – Manufactured products sold in 2014 and 2017: Transport equipment (concluded)

Type of product	2014 ¹	2017 ²
	R'000	R'000
Equipment for transport by water, air and rail and other transport equipment	23 190 758	40 205 995
Locomotives, railway coaches, goods wagons, mine hopper wagons, railway maintenance and service vehicles	11 329 790	28 668 020
Parts of locomotives or rolling stock; mechanical (including electromechanical) signalling, safety or traffic control equipment for railways, including locomotive seat cushions	7 105 233	4 223 953
Other equipment for transport by water, air and rail; and other transport equipment	2 317 048	3 940 809
Aeroplanes and helicopters; parts of aircraft and spacecraft	2 438 687	3 373 213
Total	212 995 431	332 304 256

¹Revised figures.²Preliminary figures.

Table 10 – Manufactured products sold in 2014 and 2017: Furniture and other manufactured products (including recycling)

Type of product	Unit	2014 ¹		2017 ²	
		Quantity	R'000	Quantity	R'000
Furniture			11 531 998		11 120 419
Mattress supports; mattresses, fitted with springs or stuffed or internally fitted with any material or of cellular rubber or plastics, whether or not covered; and parts of furniture	number	2 117 543	2 883 242	2 301 611	4 339 679
Seats	value only		4 447 552		3 968 453
Other furniture n.e.c.	value only		2 507 224		1 551 072
Other furniture, of a kind used in offices	value only		1 305 780		923 894
Other wooden furniture, of a kind used in the kitchen	value only		388 200		337 321
Other manufacturing products			47 657 931		72 000 037
Tobacco and other tobacco products	value only		14 225 138		26 351 225
Recycling of metal (ferrous and non-ferrous) waste and scrap	value only		9 939 786		13 600 998
Pearls, precious or semi-precious stones, and synthetic or reconstructed precious or semi-precious stones (except industrial diamonds and piezo-electric quartz), worked (except simply sawn, cleaved, bruted or roughly shaped), but not strung, mounted or set; and industrial diamonds, worked; dust and powder of natural or synthetic precious or semi-precious stones	value only		4 975 615		6 012 096
Other jewellery and other articles of precious metal or of metal clad with precious metal; articles of natural or cultured pearls or precious or semi-precious stones (natural, synthetic or reconstructed); and circulation coins	value only		1 223 529		4 744 687
Other wastes n.e.c.	value only		4 563 281		3 621 169
Recycling of non-metal waste and scrap	value only		3 083 306		3 551 066
Gold jewellery (9 carats or finer), containing diamonds, strung, mounted or set including other precious and semi-precious stones	value only		2 506 206		3 516 242
Display, point of sale exhibition stands or advertising aids	value only		1 488 873		2 385 629
Other manufactured articles n.e.c.	value only		1 714 679		2 049 023
Prefabricated buildings	value only		1 627 759		1 960 942
Pens, pencils, stamps, typewriter or similar ribbons, ink-pads and similar articles; umbrellas, sun-umbrellas, walking-sticks, seat sticks, whips, riding-crops, buttons, press fasteners, snap-fasteners, press-studs, slide fasteners and parts thereof; button blanks; linoleum; and photographic plates, film, paper, paperboard and textiles, exposed	value only		640 063		1 690 135
Sports goods, games and toys	value only		354 510		1 099 134
Matches	value only		484 444		744 692
Household candles and other candles (e.g. decorative)	kilogram	38 604 773	830 742	39 635 075	672 999
Total			59 189 929		83 120 456

¹Revised figures.²Preliminary figures.

Table 11 – Purchases of raw materials for the food and beverages division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Maize (corn), not processed	20 457 369	24 676 112
Cattle livestock	16 288 474	20 906 155
Vegetable oils or fats	13 556 538	16 802 836
Natural wines	4 886 795	14 552 153
Milk, raw	10 171 446	14 031 798
Beverage bases and concentrates	12 034 378	13 072 852
Wheat, not processed	10 533 297	11 818 985
Soya oil seeds	7 326 566	11 778 861
Sugar crops	7 836 517	10 038 571
Grain, processed (e.g. meal, flour)	7 524 762	9 601 659
Refined cane or beet sugar	6 589 886	9 121 767
Sunflower oilseeds	3 918 282	5 528 752
Fruits, fresh or chilled	3 679 416	4 709 368
Swine / pigs livestock	1 867 512	3 372 336
Chickens	1 828 796	2 913 757
Sheep livestock	1 958 669	2 758 675
Cattle or calf carcasses (fresh, chilled or frozen)	2 467 476	2 594 153
Other oil seeds or oil nuts	1 052 543	2 546 962
Spirits, liqueurs or other alcoholic liquors	2 728 507	2 417 979
Glucose and glucose syrup	2 161 004	2 039 249
Vegetables, fresh or chilled	2 340 338	2 025 714
Barley, not processed	1 715 873	2 023 330
Pig or suckling pig carcasses (fresh, chilled or frozen)	2 423 475	1 883 197
Flavourants	1 754 733	1 870 611
Spices, herbs or other aromatic crops	1 461 182	1 741 050
Natural fruit base concentrates	1 653 951	1 734 489
Processed or semi-processed meats (e.g. minced), fresh, chilled or frozen	1 760 013	1 692 112
Preparations used in animal feeding	894 956	1 686 005
Processed liquid milk	895 545	1 568 606

¹Revised figures.²Preliminary figures.

Table 11 – Purchases of raw materials for the food and beverages division in 2014 and 2017 (continued)

Description	2014 ¹	2017 ²
	R'000	R'000
Malt, whether or not roasted	1 757 961	1 526 829
Wine for further processing	939 833	1 500 368
Other dairy products	1 942 775	1 404 905
Canola (rape seeds)	732 490	1 288 824
Nuts, in the shell	951 904	1 212 627
Poultry, including chicken meat	1 341 816	1 183 824
Prepared or preserved fruit	348 041	1 008 830
Sheep or lamb carcasses (fresh, chilled or frozen)	755 139	995 255
Tea, not processed	639 805	877 128
Natural water included in final product	552 830	794 307
Cheese	359 786	698 329
Bakery products	464 791	685 934
Yeast or prepared baking powders	555 351	643 131
Fish, fresh or chilled	829 535	640 618
Cocoa powder	474 854	543 327
Food colouring	344 803	519 623
Margarine or similar preparations	126 721	452 745
Cocoa butter, fat or oil	233 824	443 876
Coffee (roasted, ground or instant)	683 179	438 923
Fruit juices	454 308	435 880
Dried fruit	359 877	411 697
Salt (raw, table or otherwise processed)	318 822	387 939
Nuts, shelled	390 318	361 065
Gluten	251 978	356 549
Maize for forage and silage	354 135	343 696
Sauces; mixed condiments; mustard flour or meal; prepared mustard	345 502	341 343
Fish meal	295 150	266 230
Ground nuts	335 228	258 563

¹Revised figures.²Preliminary figures.

Table 11 – Purchases of raw materials for the food and beverages division in 2014 and 2017 (concluded)

Description	2014 ¹	2017 ²
	R'000	R'000
Malt liquors	773 949	226 914
Sorghum, not processed	301 089	221 861
Pharmaceutical products or articles	180 472	200 755
Other raw materials	25 697 501	29 258 672
Total	197 862 066	251 438 661

¹Revised figures.²Preliminary figures.

Table 12 – Purchases of raw materials for the textiles, clothing and leather products and footwear division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Cattle or calf skin hides or fur skins, raw or semi-processed	2 577 363	2 935 217
Woven fabrics of cotton	2 772 051	2 123 206
Textile sewing yarn or thread	872 389	1 704 458
Woven fabrics of man-made filament tows or staple fibres	1 471 699	1 596 943
Other knitted or crocheted fabrics	1 095 613	1 528 440
Yarn, thread or cord of cotton and yarn, thread or cord of man-made filaments or staple fibres	1 127 131	1 053 120
Woven textile fabrics impregnated, coated or covered	836 180	912 120
Other textile articles	587 787	911 751
Made-up textile articles, staple fibres or filaments processed for spinning and polymers (plastic raw materials) e.g. chips, powders, granules	542 290	757 295
Woven fabrics of wool	241 530	535 583
Felt or non-woven fabrics	575 214	389 555
Cotton, whether or not ginned	404 699	375 270
Synthetic filament tow or staple fibres, not carded or combed	393 871	340 936
Sheep or lamb skin hides, raw or semi-processed	80 434	274 340
Other raw materials	11 540 582	13 615 503
Total	25 118 833	29 053 737

¹Revised figures.²Preliminary figures.

Table 13 – Purchases of raw materials for the wood products, paper products and printed matter division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Processed paper or paperboard	7 620 452	9 428 725
Corrugated paper or paperboard	6 072 111	7 604 383
Newsprint, hand-made paper or other uncoated paper or paperboard	7 717 126	6 907 590
Other pulp, paper or paperboard products	3 373 486	4 961 657
Uncoated kraft liner; miscellaneous papers	2 660 465	4 190 127
Pulps of wood or other fibrous cellulosic materials	2 302 872	3 713 951
Paints, varnishes, artists' colours, ink, masterbatch and the like	1 497 891	3 498 899
Logs of coniferous wood and non-coniferous wood	2 139 884	3 465 976
Reclaimed paper or paperboard	788 631	3 365 346
Chemical additives	2 283 277	2 952 583
Toilet or facial tissue stock, towel or napkin stock	1 383 668	1 462 597
Wood, sawn or clipped lengthwise, not impregnated	1 843 020	1 434 841
Printed matter for further processing or included in final product	1 183 724	1 156 669
Wood in the rough, treated or impregnated	639 652	946 887
Photographic plates, film and printing blocks	824 108	907 348
Wood, shaped; wool wood; wood flour; wood in chips or particles	567 057	887 277
Boards and panels	956 993	871 091
Builders' joinery and carpentry of wood	304 185	819 205
Veneer sheets; sheets for plywood; densified wood	785 412	766 044
Natural gums	373 654	702 480
Glues, gelatine, peptones, caseinates, albuminates and other binding material	429 261	520 727
Other raw materials	7 991 819	19 394 514
Total	53 738 748	79 958 917

¹Revised figures.²Preliminary figures.

Table 14 – Purchases of raw materials for the coke, petroleum products, chemical products, rubber and plastic products division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Petroleum oils or oils obtained from bituminous minerals, crude	98 517 880	84 500 599
Coke oven products; refined petroleum products	65 776 997	64 307 183
Chemical additives, compounds and products	61 715 584	48 858 594
Polymers (plastics raw materials) (e.g. chips, powders, granules)	21 954 835	30 056 137
Coal	12 983 387	15 363 183
Natural gas, liquefied or in the gaseous state	11 609 900	12 845 054
Petroleum gases or other gaseous hydrocarbons	8 051 609	12 339 284
Pharmaceutical products or articles	7 706 653	8 818 763
Fertilisers	6 825 114	7 333 535
Petroleum oils or oils obtained from bituminous materials, refined	3 884 010	5 510 831
Pesticides, insecticides, fungicides or herbicides	1 255 842	3 022 256
Synthetic rubber and mixtures thereof in primary forms or in latex or bales	2 948 919	2 985 075
Perfumes and toilet preparations	2 105 965	2 822 721
Natural rubber in primary forms or in bales or latex	2 860 508	2 490 303
Cleaning and polishing preparations	1 343 629	2 445 769
Vegetable oils or fats	1 659 250	2 318 865
Paints, varnishes, artists' colours, ink, masterbatch and the like	2 638 069	2 316 502
Prepared pigments, colours, tints, glazes, opacifiers and the like	1 761 103	1 954 786
Bitumen or asphalt	1 601 774	1 703 546
Synthetic resins	1 898 283	1 622 351
Petroleum jelly, paraffin wax, other mineral waxes or similar products	1 631 545	1 517 193
Other colouring matter or dyes	713 543	1 321 300
Plastic plates, sheets, film, foil or strips of plastics and plastic products, excluding packaging	1 048 220	911 969
Glues, gelatine, peptones, caseinates, albuminates and other binding material	601 769	751 984
Non-metallic minerals	1 016 196	731 729
Other pulp, paper or paperboard products	444 479	526 302
Unvulcanised compounded rubber, in primary forms or in sheets or strips	914 970	443 070
Non-ferrous ores and concentrates (e.g. copper, nickel, aluminium)	159 328	183 721

¹Revised figures.²Preliminary figures.

Table 14 – Purchases of raw materials for the coke, petroleum products, chemical products, rubber and plastic products division in 2014 and 2017 (concluded)

Description	2014 ¹	2017 ²
	R'000	R'000
Gypsum, limestone or other calcareous or siliceous stone	252 083	175 664
Natural water included in final product	171 588	138 068
Natural sand	217 624	92 250
Hardware metal products	115 797	74 380
Other raw materials	15 376 236	14 674 613
Total	341 762 689	335 157 580

¹Revised figures.²Preliminary figures.

Table 15 – Purchases of raw materials for the glass and other non-metallic mineral products division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Portland cement, aluminium cement, slag cement or similar hydraulic cement	5 473 916	7 458 188
Gypsum, limestone or other calcareous or siliceous stone	3 626 931	5 960 041
Other stone, sand or clay	2 677 053	4 385 251
Cement clinkers	1 623 194	3 177 693
Non-metallic minerals	3 950 743	3 073 064
Boiler ash, fly ash, blast furnace slag, silica fumes	1 829 102	2 746 410
Clays and natural sand	1 879 148	2 044 818
Glass and glass products	894 523	1 641 987
Dimension building stone e.g. granite, marble, sandstone, slate, quartz or other monumental or building stone	1 111 928	1 530 348
Other cement, lime or plaster	1 359 399	1 047 301
Plastic plates, sheets, film, foil or strips	460 334	719 530
Paints, varnishes, artists' colours, ink, masterbatch and the like	160 117	209 953
Petroleum oils or oils obtained from bituminous materials, refined	310 334	85 370
Other raw materials	4 048 777	4 765 176
Total	29 405 499	38 845 130

¹Revised figures.²Preliminary figures.

Table 16 – Purchases of raw materials for the metals, metal products, machinery and equipment division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Non-ferrous metal, non-ferrous ores and concentrates (e.g. copper, nickel, aluminium), precious metals, copper, nickel, aluminium, lead, zinc or tin, unwrought, non-ferrous metals and articles thereof	57 338 743	65 705 971
Flat-rolled products of iron and alloy steel, not further worked than hot or cold rolled	28 325 115	32 173 022
Primary products of iron and steel metallurgy (e.g. pig iron, ferro-alloys) and other rolled, drawn or folded products of iron and alloy steel, including stainless steel	25 874 740	26 401 981
Machinery for mining, quarrying and construction and parts thereof	8 410 966	12 407 882
Semi-finished products of iron and steel, including stainless steel (e.g. castings)	8 444 627	9 745 619
Bars and rods of iron and alloy steel, including stainless steel	7 483 066	6 769 189
Basic precious metals (e.g. gold, platinum, silver) or metals clad with precious metals	2 311 993	6 523 791
Other general purpose machinery and parts thereof	6 020 967	5 814 423
Metallic wastes and scraps	3 365 135	5 107 249
Pumps, compressors, valves and parts thereof	3 638 457	5 104 838
Iron ore and concentrates	5 103 019	4 461 171
Tubes, pipes and hollow profiles; tube or pipe fittings of iron and alloy steel	6 453 861	4 194 499
Electronic components	1 712 989	2 996 509
Wire of iron and alloy steel	2 632 013	2 773 219
Angles, shapes or sections of iron and alloy steel, including stainless steel	2 824 003	2 427 687
Coke oven products; refined petroleum products	2 148 758	2 321 786
Paints, varnishes, artists' colours, ink, masterbatch and the like	1 392 729	2 113 095
Bearings, gears, gearing and driving elements and parts thereof	1 938 105	1 925 897
Other special purpose machinery and parts thereof	4 081 364	1 808 425
Lifting and handling equipment and parts thereof	1 155 310	1 719 884
Agricultural or forestry machinery and parts thereof	781 160	1 640 793
Engines, turbines and parts thereof	1 239 850	1 420 452
Fasteners, springs and articles of wire	758 476	981 543
Semi-finished products of non-ferrous metals (e.g. castings, bars, rods, profiles)	1 446 974	847 585
Electric motors, generators and transformers and parts thereof	1 047 398	818 506
Weapons and ammunition and parts thereof	455 015	776 817
Machinery for food, beverage and tobacco processing and parts thereof	1 346 892	755 850

¹Revised figures.²Preliminary figures.

Table 16 – Purchases of raw materials for the metals, metal products, machinery and equipment division in 2014 and 2017 (concluded)

Description	2014 ¹	2017 ²
	R'000	R'000
Domestic appliances, other fabricated metal products and parts thereof	1 849 022	745 302
Hardware metal products	592 653	513 327
Products of wood, cork, straw and other plaiting materials	200 440	189 752
Plastic products, excluding packaging	405 775	165 065
Other raw materials	25 408 770	25 020 943
Total	216 188 385	236 372 072

¹Revised figures.²Preliminary figures.

Table 17 – Purchases of raw materials for the electrical machinery and apparatus division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Copper, nickel, aluminium, lead, zinc or tin, unwrought	5 706 244	6 243 394
Insulated wire and cable; optical fibre cables	5 498 838	4 948 199
Electronic components	1 892 288	2 812 263
Accumulators, primary cells and primary batteries and parts thereof	1 944 302	2 197 179
Electric motors, generators and transformers and parts thereof	3 474 117	1 897 717
Non-ferrous ores and concentrates (e.g. copper, nickel, aluminium)	1 650 585	1 680 735
Other electrical equipment and parts thereof	1 582 691	1 534 725
Electricity distribution, protection and control apparatus and parts thereof	3 135 790	1 179 647
Flat-rolled products, not further worked than hot or cold rolled of iron and alloy steel, including stainless steel	645 242	834 503
Plastic plates, sheets, film, foil or strips	373 040	460 121
Polymers (plastics raw materials) (e.g. chips, powders, granules)	252 529	422 413
Tanks, casks, drums, cans, boxes and similar containers; stoppers, caps and lids	283 546	372 793
Synthetic resins	370 263	344 275
Semi-finished products of non-ferrous metals (e.g. castings, bars, rods, profiles)	426 582	279 197
Wire of iron and alloy steel, including stainless steel	353 242	274 044
Other general purpose machinery and parts thereof	374 460	252 480
Plastic products, excluding packaging	223 490	229 442
Fasteners, springs and articles of metal wire	160 896	136 456
Other fabricated metal products	506 482	111 458
Coke oven products; refined petroleum products	278 662	82 935
Other raw materials	3 522 666	3 624 902
Total	33 071 157	29 918 878

¹Revised figures.²Preliminary figures.

Table 18 – Purchases of raw materials for the communication, medical and optical equipment division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Radio, television and other communication apparatus and parts and accessories thereof	2 503 643	8 169 614
Electronic components	2 364 168	3 450 680
Computing machinery and parts and accessories thereof	640 570	324 268
Other fabricated metal products	224 713	157 902
Fibreglass	284 046	136 123
Electrical insulating fittings of plastic products, excluding packaging	128 830	132 383
Other raw materials	2 666 246	4 809 700
Total	8 812 216	17 180 670

¹Revised figures.²Preliminary figures.

Table 19 – Purchases of raw materials for the transport equipment division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Motor vehicle parts and accessories (new), including new engines	87 556 505	119 390 325
Bodies for motor vehicles; trailers and semi-trailers; parts and accessories thereof	19 268 746	32 659 606
Parts and accessories of railway locomotives and rolling stock and parts thereof	9 364 796	27 956 947
Precious metals	10 238 836	14 501 883
Flat-rolled products, not further worked than hot or cold rolled of iron and alloy steel, including stainless steel	7 182 701	5 831 183
Other rolled, drawn or folded products of iron and alloy steel, including stainless steel	2 049 808	3 617 731
Other transport equipment and parts and accessories thereof	4 682 543	3 517 151
Other chemical products	1 934 574	2 920 574
Primary products of iron and steel metallurgy (e.g. pig iron, ferro-alloys)	2 544 832	2 871 061
Semi-finished products of iron and steel, including stainless steel (e.g. castings)	2 001 326	2 806 695
Plastic products, excluding packaging	1 959 374	2 528 094
Tubes, pipes and hollow profiles; tube or pipe fittings of iron and alloy steel, including stainless steel	2 729 588	2 064 722
Hardware metal products	1 318 693	1 800 578
Copper, nickel, aluminium, lead, zinc or tin, unwrought	1 157 451	1 661 913
Fibreglass	745 038	1 541 400
Angles, shapes or sections of iron and alloy steel, including stainless steel	958 438	1 152 012
Other fabricated metal products	506 885	1 028 518
Electric motors, generators and transformers, electronic components, other electrical machinery, equipment and parts thereof	540 785	1 015 295
New pneumatic rubber tyres	782 118	936 165
Fasteners, springs and articles of wire	853 853	850 537
Semi-finished products of non-ferrous metals (e.g. castings, bars, rods, profiles)	955 551	690 023
Tanned or dressed leather; composition/synthetic leather	638 904	649 627
Bars and rods of iron and alloy steel, including stainless steel	377 607	488 305
Articles of leather	541 387	450 304
Reconditioned motor vehicle parts	550 768	438 172
Engines, turbines and parts thereof	273 289	286 618
Other raw materials	13 849 259	23 482 441
Total	175 563 655	257 137 880

¹Revised figures.²Preliminary figures.

Table 20 – Purchases of raw materials for the furniture and other manufactured products (including recycling) division in 2014 and 2017

Description	2014 ¹	2017 ²
	R'000	R'000
Metallic wastes and scraps	7 038 397	10 192 493
Unworked precious and semi-precious stones, including diamonds, but not industrial diamonds	5 051 293	5 659 262
Basic precious metals (e.g. gold, platinum, silver) or metals clad with precious metals	1 485 403	5 413 123
Unworked industrial diamonds	800 384	2 071 976
Non-metallic wastes and scraps	1 140 254	1 106 875
Plastic products, excluding packaging	537 981	743 149
Tanned or dressed leather; composition/synthetic leather	585 389	639 938
Fasteners, springs and articles of wire	687 328	499 131
Boards, panels of wood and logs of coniferous wood	802 375	457 889
Articles of plastic	165 583	296 948
Polymers (plastics raw materials) e.g. chips, powders, granules	848 110	288 480
Flat-rolled products, not further worked than hot or cold rolled of iron and alloy steel, including stainless steel	428 640	245 541
Hardware metal products	280 232	228 215
Products of wood, cork, straw and other plaiting materials	208 422	195 883
Wood in the rough, treated or impregnated	324 016	171 863
Chemical minerals	7 694	87 826
Bars and rods of iron and alloy steel, including stainless steel	89 877	71 775
Angles, shapes or sections of iron and alloy steel, including stainless steel	120 960	56 083
Plastic tubes, pipes and fittings thereof	15 847	46 021
Other raw materials	6 523 729	21 044 419
Total	27 141 914	49 516 890

¹Revised figures.²Preliminary figures.

Explanatory notes**Background**

The results presented in this publication have been derived from the 2017 large sample survey of manufacturing. This is a periodic survey which measures economic activity in the manufacturing sector of the South African economy. The survey is based on a sample of private enterprises operating in the manufacturing industry.

This publication summarises the details of products of the manufacturing industry. Financial data are published in a separate report.

The sample was drawn from Stats SA's business register. The business register is mainly based on the value added tax (VAT) database of the South African Revenue Service (SARS). Stats SA continuously updates its business register, based on units registered in the taxation system) at SARS.

The last large sample survey of the manufacturing industry was conducted for the year 2014 (Statistical Report No. 30-02-04 (2014)).

Value added tax (VAT)

All figures exclude value added tax (VAT).

Reference period

The information was collected from enterprises for their financial year, which ended on any date between 1 July 2016 and 30 June 2017.

Statistical unit

The statistical unit for the collection of the information is an enterprise. An enterprise is a legal unit (or a combination of legal units) that includes and directly controls all functions necessary to carry out its production activities.

Size groups

The enterprises are divided into four size groups according to the value of turnover recorded for them on the Stats SA business register. Table 21 presents the cut-off points for size groups.

Table 21 – Size groups for the manufacturing industry, 2017

Size group	Turnover
Large enterprises	Turnover > R306 000 000
Medium enterprises	R78 000 000 < turnover <= R306 000 000
Small enterprises	R30 000 000 < turnover <= R78 000 000
Micro enterprises	Turnover <= R30 000 000

Survey methodology and design

The survey was conducted by email, telephone and personal visits.

A sample of approximately 16 100 enterprises was drawn using cluster stratified simple random sampling. Enterprises were clustered using district municipality, then stratified at four-digit level according to the SIC and by size of enterprise. All large, medium and small enterprises were completely enumerated. Micro enterprises with more than one geographic location were also fully enumerated. Business register turnover was used as the measure of size for stratification.

Weighting methodology

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.

Collection rate

Collection rate = ((collected enterprises + finalised investigations) / sample size)*100. The collection rate was 74,0%.

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Turnover collection rate	Turnover collection rate = ((weighted collected enterprises BR turnover + weighted finalised investigations BR turnover) / population turnover)*100. The turnover collection rate was 94,4%.	
Revisions to 2014 results	Revisions were made to previous results due to new information obtained after publication.	
Non-sampling errors	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. Non-sampling errors occur in both sample surveys and censuses.	
Rounding-off of figures	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.	
Symbols and abbreviations	DTI	Department of Trade and Industry
	GDP	Gross domestic product
	ISIC	International Standard Industrial Classification of all Economic Activities
	IT	Income tax
	n.e.c.	not elsewhere classified
	RSE	Relative standard error
	SARS	South African Revenue Service
	SE	Standard error
	SIC	Standard Industrial Classification of all Economic Activities
	SNA	System of National Accounts
	Stats SA	Statistics South Africa
	VAT	Value added tax
	0	Nil or less than half the final digit shown