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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 2014, as well as the estimated details of purchases of raw materials by industry. Financial results for the industry are reported in Report No. 30-02-03, *Manufacturing industry: Financial 2014*.

The estimates presented here are derived from the results of the 2014 manufacturing large sample survey (LSS).

The previous manufacturing LSS was conducted in 2011 (Statistical release P3002 *Manufacturing industry*, 2011 and Reports No. 30-02-03 (2011) and 30-02-04 (2011)).

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:

- (i) Manufacture of food products and beverages (SIC 30).
- (ii) Manufacture of textiles, clothing, leather and footwear (SIC 31).
- (iii) Manufacture of wood and wood products, paper, publishing and printing (SIC 32).
- (iv) Manufacture of coke, petroleum, chemical products, rubber and plastic (SIC 33).
- (v) Manufacture of glass and other non-metallic mineral products (SIC 34).
- (vi) Manufacture of basic metals, metal products, machinery and equipment (SIC 35).
- (vii) Manufacture of electrical machinery and equipment (SIC 36).
- (viii) Manufacture of telecommunication and professional equipment (SIC 37).
- (ix) Manufacture of transport equipment (SIC 38).
- (x) 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.

Excluding

- Activities of South Africa-based companies in other countries.

1.2 Data items

The following categories of data items were collected: income from own manufactured products 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 2013 and 30 June 2014, according to the usual reporting schedule of the enterprise.

Example

- 1 October 2012 – 30 September 2013
- 1 January 2013 – 31 December 2013
- 1 February 2013 – 31 January 2014
- 1 March 2013 – 28 February 2014
- 1 April 2013 – 31 March 2014

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, 2011 and 2014

Product group	2011		2014	
	R million	% contribution	R million	% contribution
Food and beverages	238 075	18,4	341 870	18,8
Textiles, clothing and leather products and footwear	33 226	2,6	39 424	2,2
Wood products, paper products and printed matter	74 416	5,8	104 190	5,7
Coke, petroleum products, chemical products, rubber and plastic products	411 362	31,9	649 345	35,6
Glass and other non-metallic mineral products	47 808	3,7	60 576	3,3
Metals, metal products, machinery and equipment	243 073	18,8	308 546	16,9
Electrical machinery and apparatus	36 342	2,8	45 054	2,5
Communication, medical and optical equipment	11 736	0,9	13 927	0,8
Transport equipment	147 621	11,4	202 469	11,1
Furniture and other manufactured products (including recycling)	47 994	3,7	57 380	3,1
Total	1 291 653	100,0	1 822 781	100,0

The total income from own manufactured products for the manufacturing industry in 2014 was R1 822,8 billion. The income represents an increase of 12,2% per annum over the income reported in the corresponding survey of 2011 (R1 291,7 billion). Comparing 2011 and 2014, large increases were reported for 'coke, petroleum products, chemical products, rubber and plastic products' (+R238,0 billion), 'food and beverages' (+R103,8 billion), 'metals, metal products, machinery and equipment' (+R65,5 billion) and 'transport equipment' (+R54,8 billion).

Between 2011 and 2014, 'coke, petroleum products, chemical products, rubber and plastic products' gained the biggest percentage share (+3,7 percentage points) in income from own manufactured products (from a percentage contribution of 31,9% in 2011 to 35,6% in 2014). 'Food and beverages' was the only other product group to record an increase in percentage share (+0,4 percentage points) (from a percentage contribution of 18,4% in 2011 to 18,8% in 2014). 'Metals, metal products, machinery and equipment' lost the biggest percentage share (-1,9 percentage points) over the same period (from 18,8% in 2011 to 16,9% in 2014).

2.2 Top ten products sold

Table B - Income from top ten own manufactured products

Type of product	2011		2014	
	R million	% share of total own manufacturing	R million	% share of total own manufacturing
Diesel fuel, automotive	69 418	5,4	132 255	7,3
Petroleum refinery products	32 036	2,5	67 499	3,7
New passenger vehicles	55 302	4,3	59 637	3,3
Petrol (motor spirit/gasoline), unleaded (ULP) 95 octane	25 092	1,9	55 585	3,0
Petrol (motor spirit/gasoline), unleaded (ULP) 93 octane	31 480	2,4	41 665	2,3
Light commercial vehicles (light CV) with GVM less than 3500 kg for the transport of goods, and public transport type passenger motor vehicles, including minibus taxis	20 201	1,6	38 551	2,1
Hydrocarbons and their halogenated, sulphonated, nitrated or nitrosated derivatives and other light petroleum oils and oils obtained from bituminous materials, other than crude	27 766	2,1	35 656	2,0
Lager beer, brewed from malted barley	17 641	1,4	33 356	1,8
Flat-rolled products of steel	30 657	2,4	29 700	1,6
Aviation/aircraft fuel (gasoline, spirit type), jet and turbo fuel, kerosene and kerosene type jet fuel (aviation kerosene) and other products derived from paraffin	18 375	1,4	28 083	1,5
Total	327 968	25,4	521 987	28,6

The income of top ten own manufactured products for the manufacturing industry in 2014 was R522,0 billion (a percentage share of 28,6%). The income represents an increase of 16,8% per annum over the income reported in the corresponding survey of 2011 (R328,0 billion). The product with the largest income was 'diesel fuel, automotive' (R132,3 billion or 7,3%), followed by 'petroleum refinery products' (R67,5 billion or 3,7%), 'new passenger vehicles' (R59,6 billion or 3,3%) and 'petrol (motor spirit/gasoline), unleaded (ULP) 95 octane' (R55,6 billion or 3,0%). Comparing 2011 and 2014, large increases were reported for 'diesel fuel, automotive' (+R62,8 billion), 'petroleum refinery products' (+R35,5 billion) and 'petrol (motor spirit/gasoline), unleaded (ULP) 95 octane' (+R30,5 billion).

'Diesel fuel, automotive' gained the biggest percentage share (+1,9 percentage points) in income from own manufactured products (from a percentage share of 5,4% in 2011 to 7,3% in 2014). 'New passenger vehicles' lost the biggest share (-1,0 percentage point) in the same period (from 4,3% in 2011 to 3,3% in 2014).

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3. Tables

Table 1 – Manufactured products sold in 2011 and 2014: Food and beverages

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Meat and meat products			27 134 282		39 530 631
Beef and veal, fresh, chilled or frozen	kilogram	411 516 951	10 937 684	560 799 193	17 179 697
Processed meat, including poultry	kilogram	265 233 156	7 031 554	354 071 837	11 000 234
Pork, fresh, chilled or frozen	kilogram	95 297 118	2 099 792	97 376 423	2 339 683
Edible offal, fresh, chilled or frozen	kilogram	85 691 021	624 795	86 786 379	795 079
Mutton or lamb, fresh, chilled or frozen	kilogram	57 987 183	2 328 982	66 190 211	2 728 126
Packed meat pies or sausage rolls, fresh, frozen, pre-baked	kilogram	36 005 865	1 477 085	36 050 266	1 476 585
Other meat and meat products (including fish)			2 634 390		4 011 227
Fruit and vegetable products			19 747 710		24 073 130
Fruit juices	litre	999 750 748	9 065 327	1 041 700 738	10 049 800
Prepared and preserved vegetables, pulses and potatoes	kilogram	272 707 323	4 474 478	279 282 908	6 042 734
Other prepared and preserved fruit and nuts (except by sugar)			2 294 606		2 261 836
Natural fruit base concentrates or puree (industrial packs) mainly made of grapes or apples, not for immediate consumption	kilogram	53 294 576	439 314	56 419 240	711 576
Dried fruit and shelled nuts	kilogram	57 701 737	1 715 572	68 076 239	2 116 091
Fruit pulp and puree, excluding tomato pulp	kilogram	53 864 759	518 947	54 504 341	623 138
Peaches (canned, bottled, preserved in plastic containers e.g. pouches), including preserved in fruit juice	kilogram	41 208 832	482 490	62 979 243	1 028 164
Peanut butter	kilogram	24 354 157	593 209	29 141 430	978 422
Nuts otherwise prepared (e.g. roasted, salted)	kilogram	5 938 203	163 767	6 562 264	261 369
Vegetable and animal oils and fats			15 668 986		24 039 115
Other animal and vegetable oils and fats, n.e.c.; cotton linters; oilcakes and other residues			7 680 735		13 098 753
Sunflower seed oil, refined	litre	220 691 199	2 325 659	260 835 393	2 529 199
Soya-bean oil, refined	litre	191 940 909	1 999 864	260 892 680	3 164 417
Yellow margarine	kilogram	176 884 948	2 799 005	244 650 459	4 275 639
White margarine	kilogram	52 412 729	863 723	54 186 784	971 107
Dairy products			17 486 494		24 329 632
Milk, pasteurised, homogenised and sterilised	litre	576 214 446	4 134 049	594 251 443	4 666 592
Milk, UHT	litre	465 179 167	3 423 599	664 839 584	5 792 084
Yoghurt and yoghurt products	kilogram	66 482 070	853 069	123 347 289	1 863 181
Ice cream and other edible ice	kilogram	46 848 729	505 033	68 121 431	1 007 789
Other milk and cream n.e.c.			1 191 363		1 409 995

Table 1 – Manufactured products sold in 2011 and 2014: Food and beverages (continued)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Buttermilk and other fermented or acidified (cultured) milk and cream products, including maas, lactic acid drinks (LADs)	litre	144 070 505	1 204 761	175 696 042	1 318 480
Cream and whey, fresh or powder	kilogram	47 323 879	544 410	49 180 124	839 961
Milk powder (for human consumption)	kilogram	44 276 703	888 105	44 827 873	1 358 294
Cheddar (pre-packed, grated and other)	kilogram	28 942 666	1 152 755	32 191 780	1 623 850
Other cheese, including mozzarella			1 084 354		1 350 562
Butter and other fats and oils derived from milk	kilogram	20 179 244	691 205	20 316 832	866 302
Gouda (pre-packed, grated and other)	kilogram	19 337 229	794 501	19 858 226	1 030 457
Processed cheese and cheese spreads	kilogram	17 678 271	849 104	20 156 041	1 009 165
Dairy products n.e.c.	kilogram	12 795 681	170 186	14 690 925	192 920
Grain products			39 807 592		57 251 697
Protein and other mineral supplement farm feeds			1 990 839		1 932 491
Glucose and glucose syrup; fructose and fructose syrup; lactose and lactose syrup; invert sugar; sugars and sugar syrups n.e.c.; artificial honey; caramel	kilogram	355 578 814	1 580 023	361 664 380	2 176 085
Dry, semi-moist and canned pet foods, dogs, cats	kilogram	261 809 859	2 505 971	187 628 951	1 715 301
Mixes and doughs for the preparation of bakers' wares	kilogram	93 712 538	825 589	113 010 323	1 297 755
Starches; inulin; wheat gluten; dextrins and other modified starches	kilogram	87 247 617	398 344	102 823 404	627 868
Poultry feeds	tonne	2 291 907	6 500 619	2 916 678	10 474 451
Mageu	litre	58 228 280	260 892	84 131 801	520 198
Instant breakfast foods	kilogram	127 264 292	2 935 389	128 382 850	3 101 552
Other preparations used in animal feeding			1 235 156		1 825 677
Other cereal grain products			673 603		337 095
Wheat and meslin flour and other cereal flours	tonne	12 615 441	6 486 244	17 820 498	14 518 685
Cattle feeds	tonne	1 097 551	2 689 257	1 453 596	3 754 374
Other groats, meal and pellets of wheat and other cereals			2 854 945		3 178 916
Maize meal (mealie meal)	tonne	2 107 507	5 853 322	2 290 278	8 293 223
Rice, semi or wholly milled	tonne	422 660	2 405 222	435 961	2 764 684
Pig feeds	tonne	220 912	612 177	231 932	733 342
Bakery products			17 270 976		20 381 203
Standard brown and white bread, wheat	number	1 569 884 474	8 735 376	1 608 813 726	10 099 011
Other bakery products			5 543 729		7 033 144
Gingerbread and sweet biscuits	kilogram	94 193 656	2 840 470	98 342 546	2 895 588

Table 1 – Manufactured products sold in 2011 and 2014: Food and beverages (continued)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Crispbread; rusks, toasted bread and similar toasted products	kilogram	4 828 129	151 401	10 337 823	353 460
Sugar and confectionary			18 196 921		24 750 443
Other sugar and other sugar confectionery			2 521 512		2 268 245
Chocolate and other food preparations containing cocoa	kilogram	80 942 573	4 078 958	115 644 546	6 878 609
Boiled sweets	kilogram	48 134 534	1 085 915	41 465 216	856 339
Gums, jellies, pastilles, lozenges, starch goods, liquorice, toffees and caramels	kilogram	30 137 866	1 247 920	42 455 661	1 472 059
Refined white sugar for export and for local sale	tonne	1 000 212	4 737 972	1 466 683	8 527 769
Raw cane sugar for export and for refining for local sales	tonne	872 548	4 524 644	915 762	4 747 422
Other food products			26 739 577		35 519 959
Mayonnaise, salad creams and dressings	kilogram	110 215 292	1 877 336	138 265 718	3 035 918
Culinary herbs and other spices including curry	kilogram	109 550 832	2 382 459	154 671 721	3 869 937
Corn chips, snack food	kilogram	86 828 969	2 169 094	92 869 320	2 899 125
Pasta and noodles	kilogram	63 555 189	816 093	63 702 993	859 877
Potato crisps, snack food	kilogram	62 105 329	2 646 774	81 354 447	3 427 777
Sauces	litre	59 074 974	1 255 942	89 017 936	2 238 819
Coffee and coffee substitutes	kilogram	58 532 109	2 494 276	62 655 354	2 569 587
Non-dairy creamers (e.g. coffee and tea creamers, artificial cream)	kilogram	54 172 602	1 233 650	57 672 695	1 300 807
Tea and other extracts, essences and concentrates of tea or mate	kilogram	42 834 092	2 055 311	43 209 483	2 073 744
Powdered soft drinks, including powdered iced tea	kilogram	52 171 512	677 172	54 174 112	735 754
Nutritional foods and dietary supplements; health and performance products; and meal replacements	kilogram	42 729 177	1 706 680	54 402 550	1 901 286
Infant formula and infant food preparations of fruit, vegetables, meat, flours, meal, malt or starch and mixtures thereof, including baby cereals	kilogram	46 505 426	1 637 749	46 144 947	2 266 067
Soups and broths	kilogram	46 188 967	924 973	64 008 972	1 635 126
Other mixed condiments and seasoning (aromatics)			1 428 517		1 566 541
Other powder mixes, including jelly and custard			802 953		682 742
Other food products n.e.c.			2 630 598		4 456 852
Wines and spirits and other beer			36 847 888		64 349 150
Lager, sorghum and other beer	litre	3 063 976 513	17 641 313	4 860 951 303	33 355 729
Other spirituous liquors and mixes including whisky, gin, vodka and liquor			3 090 223		5 169 799
Rebate brandy and brandy blends	l(AA)	13 722 890	1 566 454	17 965 717	3 825 148
Bulk unfortified (natural) wine (good wine) and bottled sparkling wine, perle wines and other still unfortified wines	hecto litre	9 099 097	2 856 355	10 121 102	2 904 769

Table 1 – Manufactured products sold in 2011 and 2014: Food and beverages (concluded)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Other wines and spirits			1 128 139		1 647 197
Alcoholic (fruit) flavoured beverages (FABs) and other alternative alcoholic beverages (e.g. ciders, spirit coolers and ready-to-drinks - RTDs)	hecto litre	3 284 602	3 394 400	5 613 632	8 986 495
Natural (unfortified) wines, still	hecto litre	2 189 634	6 000 533	2 361 458	7 038 672
Malt, whether or not roasted	tonne	240 167	1 170 471	306 239	1 421 341
Mineral water, soft drinks			19 174 210		27 644 673
Aerated flavoured carbonated soft drinks and soda siphons	litre	2 857 432 450	16 579 127	3 450 076 280	23 959 868
Bottled waters	litre	220 731 426	1 398 517	249 287 049	2 309 677
Non-carbonated soft drinks (e.g. sport or energy drinks), excluding fruit juice	litre	116 936 794	1 072 540	128 621 598	1 237 427
Synthetic dilutables/cordials (cool drink syrups and bases) in undiluted form	litre	11 686 394	124 026	12 832 899	137 701
Total			238 074 636		341 869 633

Table 2 – Manufactured products sold in 2011 and 2014: Textiles, clothing and leather products and footwear

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Textiles			18 942 031		18 954 075
Narrow knitted and knitted fabric			180 352		306 511
Man-made and artificial filaments and synthetic staple fibres			737 942		989 435
Woven fabrics of cotton and other vegetable fibres			475 057		627 908
Non-woven fabrics			868 279		854 302
Other carpets and other textile floor coverings			1 628 915		1 715 196
Terry towelling and bathroom and toilet linen			455 433		493 666
Vegetable textile fibres and mixtures thereof, yarn or thread including cotton sewing thread	kilogram	11 865 871	321 325	15 503 105	728 064
Bed linen and blankets			666 718		1 217 904
Weft knitted knit fabrics of natural and manmade yarns			597 451		604 158
Natural animal fibres			595 169		704 691
Textile fabrics, impregnated, coated, covered or laminated			639 644		810 032
Yarn and other woven fabrics			2 195 854		1 874 148
Tricot and raschel warp knitted knit fabrics and piece goods (colour knitted, plain dyed or printed) of natural and man-made yarns	kilogram	4 403 346	151 415	4 957 592	196 897
Curtains (including drapes) and interior blinds; curtain or bed valances			1 174 997		761 102
Tents			152 559		295 303
Textile products for the automotive industry, including leather			538 761		794 737
Clothing			16 007 946		17 351 536
Wearing apparel, knitted or crocheted			3 835 420		4 619 337
Protective overalls, dust coats and boiler suits			622 671		763 346
Babies' outer and underwear of natural fibres including booties and clothing of woven fabric			288 163		439 502
Hats, caps and berets, including hair nets, except safety headgear			442 277		482 990
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			2 377 600		2 985 724
Uniforms of military type, other uniforms and corporate wear	number	967 559	215 555	1 295 980	290 061
Women's and girls' clothing			4 924 935		5 053 213
Men's and boys' clothing			2 990 456		2 326 742
Specialised protective and safety clothing (e.g. flame, acid, water resistant) and accessories			310 869		390 621

Table 2 – Manufactured products sold in 2011 and 2014: Textiles, clothing and leather products and footwear (concluded)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Leather and footwear			5 838 625		9 098 313
Bovine (cattle and buffalo), calf or equine leather, upholstery leather for the automotive industry			988 879		2 158 516
Ostrich skin leather	square decimetre	28 826 335	346 291	32 908 844	626 284
Footwear with outer soles and uppers of rubber or plastics, other than waterproof footwear or sports footwear	pairs	19 914 159	2 836 556	19 217 964	3 952 917
Bovine (cattle and buffalo), calf or equine leather stock, mineral and vegetable tanned and semi tanned			1 004 324		1 463 312
Leather, leather products and sports footwear			92 118		215 977
Other footwear parts including soles, heels, tips of leather, plastic and other material excluding rubber and removable insoles			290 317		303 183
Gumboots and similar waterproof footwear, uppers and outer soles of plastic	pairs	5 063 688	280 140	7 635 880	378 124
Total			33 226 442		39 423 903

Table 3 – Manufactured products sold in 2011 and 2014: Wood products, paper products and printed matter

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Wood products			46 228 729		65 854 787
Corrugated (fluting) cardboard boxes or folding cartons (whether laminated or not)			6 942 129		10 084 822
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			4 923 989		8 677 907
Other toilet tissue stock, uncoated kraft liner 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			5 236 951		6 466 999
Other paper and paperboard products including processed paper and paperboards			4 762 755		6 697 796
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			1 249 559		2 174 216
Wood in chips or particles; wood wool or shavings	tonne	2 278 874	1 997 115	3 435 220	3 341 671
Sanitary towels and tampons and disposable nappies for babies	number ('000)	1 865 112	2 147 995	2 322 734	3 400 512
Particle board and similar board	cubic metre	1 049 020	2 967 573	1 072 472	3 108 875
Food cartons (e.g. frozen food, milk, cream, etc.)			1 994 055		2 908 406
Other corrugated paper and paperboard and containers of paper and paperboard			974 460		2 682 078
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	1 055 649	1 471 322	1 267 135	2 424 816
Wood in the rough, treated with paint, stains, creosote or other preservatives; and other timber, treated with paint, stains, other preservatives	cubic metre	580 519	1 059 639	835 850	1 300 759
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)			1 444 290		1 768 970
Liner boards, kraft liners and other kraft liners, uncoated, unbleached, in rolls or sheets			1 611 920		1 610 289
Corrugated single and double wall paperboard in sheets			929 274		1 535 524
Toilet paper	number of rolls	777 455 979	1 530 079	867 374 478	1 713 459
Sacks and bags of paper	kilogram	27 274 330	444 275	49 013 353	833 227
Fluting paper, including straw and semi-chemical, uncoated, in rolls and sheets	tonne	225 975	1 026 654	277 340	1 347 686
Wooden garage, folding, sliding and flush panel doors, hollow core, semi-solid, solid and other panel or moulded doors, excluding louvered doors	number	1 248 528	601 220	1 514 458	791 570
Fibreboard of wood or other ligneous materials	cubic metre	465 502	927 591	466 641	1 099 353
Other wood, plywood, veneer products including saw and veneer logs, coniferous and non-coniferous species, not treated			1 539 594		1 010 447

Table 3 – Manufactured products sold in 2011 and 2014: Wood products, paper products and printed matter (concluded)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Wooden door frames; louvered shutters or doors of wood; wooden windows and window frames (skylights); and staircases, balustrades or trellises of wood			446 290		875 405
Printed matter			28 187 290		38 335 426
Trade advertising material, commercial catalogues and the like			4 470 265		5 569 654
Other books, in print including general reference books and directories			4 110 094		5 142 136
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			1 356 069		4 120 517
Newspapers and periodicals, daily, in print			2 497 763		3 666 753
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			2 909 188		3 394 853
Journals, periodicals and magazines, appearing other than daily - printed for other publishers			1 922 808		3 151 471
Printed paper and paperboard labels/ tags/ stickers, self-adhesive (flexo-laminated, pressure sensitive), paste-on, wet-glue			3 211 063		3 089 616
Other printed matter including transfers (decalcomanias) and printed calendars			2 117 809		2 576 757
Continuous stationery (e.g. telex rolls, computer rolls and computer stationery)			1 030 292		2 475 505
Security printing (e.g. cheque forms, banknotes, document of title, certificates, pre-paid vouchers or cards, stamps, ballot papers)			1 469 066		1 914 459
Educational textbooks, in print			1 614 255		1 857 967
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			433 896		534 718
Printed or illustrated postcards; printed cards bearing personal greetings or messages, with or without envelopes or trimmings			420 200		330 340
Composed type, prepared printing plates or cylinders, impressed lithographic stones or other impressed media for use in printing			284 346		194 754
Exercise books, soft cover (manila)			154 475		162 637
Manuscript books, hard cover (quarter bound)			185 701		153 289
Total			74 416 019		104 190 213

Table 4 – Manufactured products sold in 2011 and 2014: Coke, petroleum products, chemical products, rubber and plastic products

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Petroleum products			232 942 008		402 582 368
Diesel fuel, automotive	kilolitre	12 247 851	69 417 890	13 661 642	132 255 031
Petroleum refinery products	kilogram	843 973 896	32 035 576	883 854 701	67 498 680
Petrol (motor spirit/gasoline), unleaded (ULP) 95 octane	kilolitre	4 164 991	25 092 118	5 868 667	55 585 150
Petrol (motor spirit/gasoline), unleaded (ULP) 93 octane	kilolitre	5 956 423	31 480 093	4 542 896	41 664 839
Hydrocarbons and their halogenated, sulphonated, nitrated or nitrosated derivatives and other light petroleum oils and oils obtained from bituminous materials, other than crude			27 766 356		35 656 340
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	3 623 013	18 374 931	3 739 200	28 082 574
Fuel oils n.e.c.	kilolitre	3 398 463	11 774 427	3 557 739	16 492 776
Petrol (motor spirit/gasoline), lead replacement (LRP) 93 and 95 octane	kilolitre	901 424	5 218 987	1 250 717	10 976 878
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			4 931 961		6 358 588
Propane and butanes, liquefied	kilogram	777 183 639	5 152 079	790 761 962	6 213 639
Stoker plant char (charcoal), retort carbon, coal coke and tar and other mineral tars	tonne	737 992	1 697 590	746 904	1 797 873
Chemical products			73 596 144		109 666 973
Carboxylic acids and other organic chemicals and compounds	litre	1 439 440 979	8 450 513	1 602 420 351	19 499 395
Mineral or chemical fertilisers containing at least two nutrients of nitrogen, phosphate and potash; and other fertilisers			8 225 926		15 066 008
Alcohols, phenols, phenol-alcohols, and their halogenated, sulphonated, nitrated or nitrosated derivatives; industrial fatty alcohols	kilolitre	1 145 140 578	8 143 473	1 967 691 552	13 823 948
Prepared explosives; safety fuses; detonating fuses; percussion or detonating caps; igniters; electric detonators; and other pyrotechnic articles, except matches and other combustible materials			6 998 583		8 200 094
Ethylene polymers and copolymers (PET, HDPE, LDPE, EVA)	kilogram	488 385 755	5 791 158	491 550 914	7 832 899
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	kilogram	558 123 550	3 226 475	559 831 428	5 985 140
Other chemical treatment preparations and finishing agents for industrial uses			5 901 194		4 496 274
Insecticides, fungicides, herbicides and disinfectants	tonne	67 985 955	2 768 048	98 606 159	4 421 930
Hydrogen, nitrogen, oxygen, carbon dioxide and rare gases; inorganic oxygen compounds of nonmetals n.e.c.			3 525 958		3 957 185
Glues and gelatine, peptones and their derivatives, and related products; caseinates and other casein derivatives; albuminates and other albumin derivatives			2 030 173		3 289 748

Table 4 – Manufactured products sold in 2011 and 2014: Coke, petroleum products, chemical products, rubber and plastic products (continued)

Type of product	Unit	2 011		2 014	
		Quantity	R'000	Quantity	R'000
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	333 433 500	2 745 831	300 588 661	2 426 108
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			2 421 510		2 169 385
Synthetic rubber (e.g. SBR, XSB, EPDM) and mixtures thereof in primary forms or in plates, sheets or strips	kilogram	72 015 230	1 532 937	80 466 935	2 125 948
Miscellaneous basic chemical products			1 521 962		1 982 340
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	76 983 997	1 326 495	82 662 404	1 417 734
Specialised mining chemicals	kilogram	44 952 603	966 682	47 076 914	1 170 831
Tanning or dyeing extracts, tannins and their derivatives; colouring matter n.e.c.; gums and wood preservatives	kilogram	79 950 675	724 761	82 001 405	1 147 746
Other basic inorganic chemicals n.e.c. and compounds			1 570 442		765 313
Water and pool treatment chemicals (defoamers)	kilogram	44 647 021	1 014 217	73 243 152	1 728 945
Industrial cleaning chemicals	kilogram	34 530 271	499 393	37 752 205	541 511
Other radioactive elements and isotopes and compounds; alloys, dispersions, ceramic products and mixtures containing these elements, isotopes or compounds; radioactive residues			710 757		462 615
Bleach and other surface active cleaning preparations including hand cleaners			882 650		1 817 949
Table (edible) salt (sodium chloride)	kilogram	46 389 248	133 194	62 177 678	235 648
Ethylene, propylene, butylene, butadiene and other petroleum gases or gaseous hydrocarbons, except natural gas	kilogram	120 181 717	1 080 571	191 429 228	3 601 774
Perfumes, colognes and toilet waters, including lavender and essential oil flavours and fragrance concentrates for perfuming or deodorising rooms and preparations thereof			1 403 241		1 500 505
Paints, fillers and other surface preparations			12 928 632		14 598 667
Other paints and varnishes and related products			6 843 026		7 541 153
Polyvinyl acetate (PVA) and emulsion paints, water based	litre	65 309 628	1 558 683	96 551 457	2 701 838
Enamel paints, solvent based, non-drip and normal, including stoving enamels	litre	47 265 468	1 030 112	54 652 009	1 340 357
Car finishes (automotive paints) and metal decorating finishes, solvent based	litre	18 330 997	683 447	25 389 184	980 874

Table 4 – Manufactured products sold in 2011 and 2014: Coke, petroleum products, chemical products, rubber and plastic products (continued)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Printing ink and other printing ink including artists', students' or signboard painters' colours, modifying tints, amusement colours and the like			1 698 181		743 057
Varnishes (domestic, insulating and industrial) and lacquers			502 841		708 607
Masterbatch			612 342		582 781
Pharmaceuticals			13 597 851		19 039 459
Other pharmaceutical products and other medicaments, for therapeutic or prophylactic uses			3 003 139		5 085 716
Vitamins and multivitamins, hormones; glycosides and vegetable alkaloids and their salts, ethers, esters and other derivatives; antibiotics and preparation thereof			2 595 399		3 133 700
Medicines affecting autonomic functions, respiratory and vascular medicines			2 570 462		2 987 306
Antiviral (e.g. HIV drugs) and antimicrobial drugs, and antibiotic, tablets, capsules, pills, powder including preparations	number ('000)	1 107 144	1 428 519	1 458 602	1 989 265
Compounds containing aspirin and/or paracetamol	kilogram	1 596 464	1 135 982	2 411 842	1 838 885
Other articles for medical or surgical purposes			1 007 888		1 770 322
Veterinary medicaments and vaccines and antisera (injections)			965 178		1 401 197
Homeopathic, herbal medicines or traditional remedies			891 284		833 068
Cleaning preparations and toiletries			19 977 739		24 755 231
Detergents: liquid, powder, fabric softeners and other washing preparations	kilogram	351 649 266	5 747 310	374 744 918	7 383 500
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			4 857 863		5 606 055
Toilet and antiseptic soap (bars) and liquid soap	kilogram	113 371 459	3 001 690	114 156 143	3 080 479
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			2 331 313		2 489 123
Laundry soap, bars and tablets	kilogram	57 017 773	470 190	117 436 673	1 776 985
Body deodorants and antiperspirants			1 186 631		1 406 840
Liquid and cream shampoos and other hair preparations including hair straighteners			717 597		1 053 992
Toothpaste and other mouth preparations (e.g. mouthwash, dentifrices)	kilogram	18 986 488	736 125	22 394 424	1 021 164
Cleaning and polishing preparations	kilogram	31 988 355	929 020	32 656 072	937 093
Rubber products			11 952 915		15 435 820
Tyres: pneumatic, new, for motor cars (e.g. radial ply)	number	6 329 872	2 516 085	6 324 553	3 217 690
Tyres: pneumatic, new, for light trucks (LDVs)	number	2 605 320	1 482 700	3 167 664	2 746 656
Conveyor or transmission belts or belting, of vulcanised rubber			1 301 956		2 662 689
Tyres: pneumatic, new, for buses and trucks, giant and industrial vehicles	number	805 364	2 004 004	808 710	2 216 434
Retreaded pneumatic tyres of rubber and camel-back strips for retreading rubber tyres			1 030 188		1 158 512

Table 4 – Manufactured products sold in 2011 and 2014: Coke, petroleum products, chemical products, rubber and plastic products (continued)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
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			921 308		1 007 909
Rubber mountings, washers, rollers and other vulcanised rubber parts for industrial or mining machinery and equipment			779 037		884 070
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			1 246 164		861 531
Other rubber products			465 361		462 328
Rubber parts for motor vehicles			206 112		218 001
Plastic products			46 367 170		63 266 728
Foam slabs, blocks, sheets, profiles and shapes, excluding mattresses, of polyurethane, rigid			2 583 874		4 927 763
Tubes, pipes and hoses, and fittings therefor, of plastics			3 976 043		4 266 104
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			4 828 461		3 889 981
Articles of plastics n.e.c.			2 304 815		3 110 008
Motor vehicle parts and components of plastic			1 728 599		2 398 875
Tableware, kitchenware, acrylic sanitary ware (plastic) and other household and toilet articles of plastics			1 843 630		2 401 635
Cups and tubs (aseptic packaging and food containers) of plastic, under 370ml - bag-in-box packaging, thin wall injection moulding	kilogram	57 104 132	1 442 770	59 003 790	1 717 864
Plastic boxes for packaging, stacking shipping, tool boxes, cooler boxes, silos and tanks of plastics			1 041 963		1 176 887
Other articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps and other closures, of plastics			1 537 049		1 580 735
Plastic containers, including bottles, for beverages and water, capacity 2L and less			1 258 932		1 437 291
Other plastic containers, including bottles, capacity above 2L			528 450		1 138 468
Industrial mouldings of plastic and other plastic mouldings			170 033		301 371
Crates of plastic (HDPE injection moulded)	kilogram	30 436 765	630 726	30 541 156	738 825
Stoppers, lids, caps, discs and other closures, of plastic (foil, screw cap, twist cap)			259 974		491 777
Floor coverings of plastics, in rolls or in the form of tiles; wall or ceiling coverings of plastics			439 153		627 207
Plastic containers, including bottles, for domestic liquids (e.g. cleaning), capacity 2L and less	kilogram	13 593 098	378 219	18 267 378	518 664

Table 4 – Manufactured products sold in 2011 and 2014: Coke, petroleum products, chemical products, rubber and plastic products (concluded)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Self-adhesive plates, sheets, film, foil, strips			580 206		500 465
Stationery goods of plastic (e.g. file, book and document covers (slip-on), letter files and letter trays, cards)			142 915		223 362
Containers for cosmetics, including bottles, jars (e.g. shampoos and creams), capacity 2L and less, of plastic (HDPE)	kilogram	17 474 816	116 953	20 196 720	195 889
Man-made fibres and monofilament of which any cross-sectional dimension exceeds 1 mm, rods, sticks and profile shapes, of plastics			145 895		265 152
Other plastics and plastic products			20 428 510		31 358 405
Total			411 362 459		649 345 246

Table 5 – Manufactured products sold in 2011 and 2014: Glass and other non-metallic mineral products

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Cement and cement blends	tonne	14 277 563	13 886 534	16 316 948	17 303 343
Glass and glass products			11 602 700		12 005 973
Other non-metallic mineral products n.e.c.			1 061 669		2 402 598
Non-refractory mortars and concretes	cubic metre	4 670 105	4 352 596	5 629 092	6 501 419
Tiles, flagstones, bricks and similar articles, of concrete, cement, plaster, lime and artificial stone			5 190 181		5 557 819
Other refractory products and structural non-refractory clay products			3 673 341		4 666 712
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			1 497 826		3 320 147
Prefabricated structural components for building or civil engineering, of cement, concrete or artificial stone			2 314 325		3 639 280
Building bricks			1 682 432		1 840 172
Ceramic floor and wall tiles	square metre	32 939 758	1 137 633	41 050 408	1 528 576
Monumental or building stone and articles thereof			603 356		723 437
Non-structural ceramic ware			805 059		1 086 037
Total			47 807 652		60 575 513

Table 6 – Manufactured products sold in 2011 and 2014: Metals, metal products, machinery and equipment

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Basic metals			127 883 334		153 886 036
Flat-rolled products of steel	tonne	3 868 697	30 657 308	3 271 982	29 699 931
Semi-finished products of aluminium or aluminium alloys	tonne	1 121 582	19 999 209	1 445 007	25 704 898
Primary materials of the iron and steel industry	tonne	1 817 568	21 811 059	2 265 718	24 277 762
Platinum, unwrought or in semi-manufactured forms, or in powder form	ounce	696 390	8 735 343	788 981	11 531 929
Bars and rods	tonne	1 137 754	7 857 209	1 726 007	11 266 045
Tubes, pipes and hollow profiles, of steel			5 964 191		9 554 299
Gold (including gold plated with platinum), unwrought or in semi-manufactured forms, or in powder form	ounce	380 431	2 571 280	513 816	6 095 463
Base metals clad with silver, and base metals, silver or gold clad with platinum, not further worked than semi-manufactured			3 876 609		5 742 768
Copper, nickel, aluminium, alumina, lead, zinc and tin, unwrought			4 218 274		4 840 409
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			5 829 310		7 402 313
Semi-finished products of copper, nickel, lead, zinc and tin or their alloys			1 426 777		2 739 793
Other non-ferrous metals and articles including silver, waste and scrap of some metals cerments and articles thereof			11 265 042		9 244 286
Wire of iron, non-alloy and alloy steel			3 671 723		5 786 140
Metal products			45 329 028		61 433 429
Structural steelwork and parts of structures of iron, steel or aluminium			13 802 513		17 496 339
Steel, cut, bent, slit, value-added or manufactured according to customer specifications, including prototypes			7 871 410		10 143 874
Metal fasteners, springs and miscellaneous articles made from metal wire	tonne	39 394 561	5 955 787	34 670 408	5 961 776
Roof sheeting (e.g. corrugated iron sheets), prepared for use in structures			3 984 242		5 364 467
Containers, packaging materials of metal and metal closures	number	1 946 824 592	4 830 968	1 991 649 887	5 347 193
Other metal products			1 048 565		2 536 717
Bridges, bridge sections, towers and lattice masts, of iron or steel			1 360 031		2 809 802
Reinforcing metal products (e.g. gabions, re-bars), including wire reinforcing fabric/mesh and strips, for use in structures			4 923 989		8 677 907
Other doors, windows and their frames and thresholds for doors, of iron or steel			680 673		1 101 005
Domestic metal products (sanitary ware of metal and household articles of metal)			301 943		867 043
Windows and door frames, predominantly ferrous			314 327		524 289
Windows, and skylight frames, aluminium			254 580		603 017

Table 6 – Manufactured products sold in 2011 and 2014: Metals, metal products, machinery and equipment (concluded)

Type of product	Unit	2011		2014	
		Quantity	R'000	Quantity	R'000
Machinery and equipment			69 860 221		93 226 464
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			5 830 202		13 809 956
Mining, quarrying and construction machinery and parts thereof			6 378 782		6 964 366
Pumps, compressors, hydraulic and pneumatic power engines, and valves, and parts thereof			10 362 968		10 054 272
Agricultural or forestry machinery; machine-tools; office and accounting machinery; and parts and accessories thereof			6 013 210		9 433 947
Weapons and ammunition and parts thereof			4 095 601		5 949 295
Continuous-action elevators, pneumatic and other continuous action elevators and conveyors for goods or materials and other lifting and handling equipment and parts thereof			4 642 770		7 119 922
Bearings, gears, gearing and driving elements, and parts thereof			3 184 876		5 915 570
Domestic appliances and parts thereof			5 560 245		5 713 612
General-purpose machinery n.e.c.			4 351 842		4 211 466
Other special-purpose machinery and parts thereof			4 830 746		5 386 317
Heat exchangers, air humidifiers, dehumidifiers, ionisers or air distributors or ventilators and producer gas or water gas generators			4 608 102		3 302 697
Hand tools and interchangeable tools for hand tools or for machine tools			446 360		1 421 261
Machinery for the food, beverage and tobacco industries; and parts thereof			959 478		1 235 699
Parts of gas generators; distilling plants; air conditioning and refrigerating equipment; filtering machinery; and general-purpose machinery n.e.c.			1 002 635		2 026 763
Refrigerating and freezing equipment and heat pumps, except household type equipment			1 631 737		1 854 831
Oil filters, petrol filters and air intake filters for internal combustion engines			1 558 953		1 696 523
Filtering and purifying machinery and apparatus, for liquids and gases, except oil filters, petrol filters and air intake filters for internal combustion engines			491 955		732 318
Air conditioning units			808 279		1 521 458
Boilers and parts thereof			554 069		1 263 002
Tanks, drums, reservoirs of iron, steel or aluminium			2 547 411		3 613 189
Total			243 072 583		308 545 929

Table 7 – Manufactured products sold in 2011 and 2014: Electrical machinery and apparatus

Type of product	2011	2014
	R'000	R'000
Electricity distribution and control apparatus, and parts thereof	8 820 311	9 304 961
Electronic components and equipment, other electrical equipment and parts thereof	1 124 512	3 147 978
PVC (polyvinyl chloride) insulated copper conductor power cables (underground and overhead), whether unscreened, screened (shielded), armoured or a combination thereof	2 419 592	3 425 492
Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships	2 005 423	3 125 425
Accumulators, primary cells and primary batteries, and parts thereof	1 589 685	2 620 586
Other electric conductors, for a voltage exceeding 1000 V	1 745 058	2 873 372
Electric conductors (insulated wire and cables), whether or not fitted with connectors, for a voltage not exceeding 1000V and optical fibre cables	2 630 245	2 651 779
Uninsulated copper power cable conductors (e.g. earthing)	717 473	1 422 171
Electric filament or discharge lamps; arc lamps; lighting equipment; parts thereof	1 686 086	1 736 480
XLPE (polyethylene) insulated copper conductor power cables (underground and overhead), whether unscreened, screened (shielded), armoured or a combination thereof	984 238	1 313 956
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	1 409 015	1 165 834
XLPE (polyethylene) insulated aluminium conductor power cables, whether unscreened, screened (shielded), armoured or a combination thereof	699 635	1 091 399
Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon of a kind used for electrical purposes	1 130 629	984 947
Electric motors, generators, alternators and transformers and parts thereof	9 380 471	10 189 635
Total	36 342 373	45 054 015

Table 8 – Manufactured products sold in 2011 and 2014: Communication, medical and optical equipment

Type of product	2011	2014
	R'000	R'000
Other instruments and appliances for measuring, checking, testing, navigating and other purposes, except optical instruments; industrial process control equipment; parts and accessories thereof	2 589 252	2 915 919
Set-top boxes		2 683 420
Radio broadcast and television receivers; apparatus for sound and video recording and reproducing; microphones, loudspeakers, amplifiers, etc.	2 109 410	2 281 416
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	1 956 671	1 447 343
Gas, liquid (water) or electricity supply or production meters (prepayment meters)	1 129 280	1 417 641
Cards with magnetic strips or chip	567 885	1 282 957
Medical and surgical equipment and orthopaedic appliances	2 258 970	1 008 922
Optical instruments and photographic equipment, and parts and accessories thereof	854 208	760 321
Audio, video and other disks, tapes and other physical media, recorded; packaged software	270 638	128 856
Total	11 736 314	13 926 795

Table 9 – Manufactured products sold in 2011 and 2014: Transport equipment

Type of product	2011	2014
	R'000	R'000
Equipment for transport by road	138 817 680	184 413 696
New passenger vehicles	55 302 131	59 636 642
Light commercial vehicles (light CV) with GVM less than 3500 kg for the transport of goods, and public transport type passenger motor vehicles, including minibus taxis	20 200 919	38 551 229
Autocatalysts (catalytic convertors), complete; coated and uncoated monolith	12 733 758	15 935 378
Medium and heavy commercial vehicles	9 272 897	12 381 261
Other parts and accessories n.e.c. of motor vehicles	7 531 050	10 166 416
Other parts, components and accessories of motor bodies	6 556 737	6 996 089
Spark ignition (SI) and compression ignition engines of a kind used for motor vehicles	7 358 447	11 555 722
Exhaust systems, complete system of silencers and exhaust pipes, for the automotive industry	5 805 732	6 576 087
Other trailers and semi-trailers; containers	1 106 299	2 997 974
Car seat cushions (complete) for the automotive textile industry, including leather	1 638 456	2 935 284
Other motor vehicles	1 965 978	2 869 609
Front and rear axles	1 093 046	2 791 471
Other parts and components for exhaust systems	1 088 600	1 745 966
Buses and motor coaches	2 905 727	1 980 782
Containers specially designed and equipped for carriage by one or more modes of transport	981 749	1 926 120
New and reconditioned hydraulic and other brake systems and parts	539 916	1 465 425
Alloy and road wheels for vehicles, wheel rims, caps and hubs (of steel or other material)	1 171 942	1 374 982
Parts, components and accessories of trailer and semi-trailer bodies	467 338	698 701
Mobile homes, caravans (including collapsible caravans) and caravan type trailers and semi-trailers	386 560	736 986
Bodies for motor vehicles	272 409	588 042
Air bags for the automotive textile industry	437 989	503 530
Equipment for transport by water, air and rail and other transport equipment	8 803 602	18 055 005
Locomotives, railway coaches, goods wagons, mine hopper wagons, railway maintenance and service vehicles	5 233 314	11 738 229
Parts of locomotives or rolling stock; mechanical (including electromechanical) signalling, safety or traffic control equipment for railways, including locomotive seat cushions	648 142	834 485
Other equipment for transport by water, air and rail; and other transport equipment	1 099 776	2 781 244
Aeroplanes and helicopters; parts of aircraft and spacecraft	1 822 370	2 701 047
Total	147 621 282	202 468 701

Table 10 – Manufactured products sold in 2011 and 2014: Furniture and other manufactured products (including recycling)

Type of product	2011		2014	
	Unit	Quantity	R'000	R'000
Furniture			10 127 500	11 478 463
Seats			3 053 735	4 528 690
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	2 513 019	2 418 976	3 033 417
Other furniture n.e.c.			3 066 196	2 446 509
Other furniture, of a kind used in offices			1 424 327	1 123 238
Other wooden furniture, of a kind used in the kitchen			164 266	401 476
Other manufactured products			37 866 314	45 901 529
Recycling of metal (ferrous and non-ferrous) waste and scrap			9 322 331	9 815 102
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			4 187 995	5 006 614
Recycling of non-metal waste and scrap			1 118 313	2 936 631
Gold jewellery (9 carats or finer), containing diamonds, strung, mounted or set including other precious and semi-precious stones			1 140 924	1 998 385
Other manufactured articles n.e.c.			2 131 807	1 916 851
Prefabricated buildings			1 622 901	1 626 034
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			1 167 011	1 279 371
Display, point of sale exhibition stands or advertising aids			378 690	389 961
Household candles and other candles (e.g. decorative)	kilogram	35 071 833	644 225	45 752 160
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			858 571	736 826
Matches			455 916	479 518
Sports goods, games and toys			469 008	467 031
Other wastes n.e.c.			2 556 525	4 152 961
Tobacco and other tobacco products			11 812 097	14 130 673
Total			47 993 814	57 379 992

Table 11 – Purchases of raw materials for the food and beverages division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Maize (corn), not processed	11 868 214	19 552 091
Cattle livestock	9 820 203	16 015 527
Beverage bases and concentrates	8 619 677	11 826 894
Wheat, not processed	12 428 032	10 126 058
Sugar crops	6 496 518	9 738 294
Vegetable oils or fats	8 747 355	9 484 928
Milk, raw	6 242 420	8 422 028
Grain, processed (e.g. meal, flour)	5 344 046	7 525 417
Sunflower oilseeds	3 506 019	7 338 021
Refined cane or beet sugar	5 140 293	6 782 089
Fruits, fresh or chilled	5 353 293	5 898 997
Soya oil seeds	1 759 233	3 935 986
Other oil seeds or oil nuts	1 206 151	2 980 941
Pig or suckling pig carcasses (fresh, chilled or frozen)	519 436	1 879 250
Spirits, liqueurs or other alcoholic liquors	1 220 047	2 470 697
Vegetables, fresh or chilled	2 145 375	2 421 659
Cattle or calf carcasses (fresh, chilled or frozen)	2 041 404	2 387 646
Other dairy products	1 193 373	2 075 403
Natural fruit base concentrates	1 797 131	1 979 812
Natural wines	904 449	1 908 861
Flavourants	1 345 083	1 881 781
Glucose and glucose syrup	1 244 215	1 819 849
Processed liquid milk	872 934	1 553 313
Barley, not processed	1 144 870	1 716 435
Processed or semi-processed meats (e.g. minced), fresh, chilled or frozen	734 778	1 673 114
Sheep livestock	1 366 087	1 554 352
Swine/pigs livestock	882 329	1 173 868

Table 11 – Purchases of raw materials for the food and beverages division in 2011 and 2014 (concluded)

Description	2011	2014
	R'000	R'000
Spices, herbs or other aromatic crops	820 143	1 050 216
Poultry, including chicken meat	805 700	938 958
Cheese	810 290	990 008
Wine for further processing	415 552	885 499
Natural water included in final product	651 976	941 640
Pharmaceutical products or articles	423 030	854 187
Malt liquors	503 886	778 465
Sheep or lamb carcasses (fresh, chilled or frozen)	485 061	716 606
Chickens	500 566	618 487
Fish, fresh or chilled	423 004	588 021
Prepared or preserved fruit	409 083	555 023
Yeast or prepared baking powders	306 089	543 644
Tea, not processed	372 724	423 865
Cocoa powder	318 669	457 723
Dried fruit	301 296	303 444
Ground nuts	284 189	325 064
Sorghum, not processed	226 798	297 179
Gluten	235 143	287 000
Fish meal	222 928	279 691
Starches and starch products	158 671	220 623
Margarine or similar preparations	224 842	248 904
Other raw materials	25 865 703	34 267 346
Total raw materials	138 708 308	192 694 904

Table 12 – Purchases of raw materials for the textiles, clothing and leather products and footwear division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Woven fabrics of man-made filament tows or staple fibres	2 862 249	4 040 762
Made-up textile articles, staple fibres or filaments processed for spinning and polymers (plastic raw materials) e.g. chips, powders, granules	1 825 107	2 697 052
Woven fabrics of cotton	2 212 325	2 648 729
Cattle or calf skin hides, raw/semi-processed	1 612 951	2 415 203
Yarn, thread or cord of cotton and yarn, thread or cord of man-made filaments or staple fibres	1 712 991	2 503 006
Other knitted or crocheted fabrics	230 671	611 809
Woven textile fabrics impregnated, coated or covered	322 201	869 698
Sewing yarn or thread	524 062	828 328
Felt or non-woven fabrics	342 497	584 950
Other textile articles	245 246	571 832
Synthetic filament tow or staple fibres, not carded or combed	139 652	395 710
Cotton, whether or not ginned	350 451	375 313
Woven fabrics of wool	212 488	229 780
Sheep or lamb skin hides, raw/semi-processed	33 852	67 384
Angles, shapes or sections of iron and alloy steel, including stainless steel	2 832	9 803
Other raw materials	9 775 650	5 989 269
Total raw materials	22 405 225	24 838 628

Table 13 – Purchases of raw materials for the wood products, paper products and printed matter division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Newsprint, hand-made paper or other uncoated paper or paperboard	4 316 929	8 974 188
Corrugated paper or paperboard	3 260 731	5 672 931
Logs of coniferous wood and non-coniferous wood	4 987 587	5 117 302
Pulps of wood or other fibrous cellulosic materials	3 380 934	4 317 059
Processed paper or paperboard	2 928 704	3 137 403
Other pulp, paper or paperboard products	2 365 643	3 130 640
Uncoated kraft liner; miscellaneous papers	1 396 604	2 456 708
Chemical additives	1 312 262	2 234 876
Wood, sawn or clipped lengthwise, not impregnated	1 620 657	1 857 124
Paints, varnishes, artists' colours, ink, masterbatch and the like	458 797	1 641 873
Polymers (plastic raw materials) e.g. chips, powders, granules	1 074 421	1 185 338
Printed matter for further processing or included in final product	341 940	909 240
Photographic plates, film and printing blocks	676 843	750 440
Veneer sheets; sheets for plywood; densified wood	327 227	704 281
Toilet or facial tissue stock, towel or napkin stock	461 651	667 560
Boards and panels of wood	265 502	634 184
Reclaimed paper or paperboard	292 153	539 878
Glues, gelatine, peptones, caseinates, albumates and other binding materials	134 969	268 599
Builders' joinery and carpentry of wood	218 555	260 935
Other raw materials	14 397 186	11 447 250
Total raw materials	44 219 295	55 907 809

Table 14 – Purchases of raw materials for the coke, petroleum products, chemical products, rubber and plastic products division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Petroleum oils or oils obtained from bituminous minerals, crude	115 390 986	220 738 136
Chemical additives, compounds and products	67 695 195	86 945 455
Coke oven products; refined petroleum products	24 787 088	50 462 724
Polymers (plastic raw materials) e.g. chips, powders, granules	14 417 401	22 686 218
Coal	7 740 743	11 790 186
Natural gas, liquefied or in the gaseous state	3 007 452	11 749 340
Pharmaceutical products or articles	5 285 377	8 847 719
Petroleum gases or other gaseous hydrocarbons	5 850 423	8 606 109
Fertilisers	4 247 197	6 732 060
Petroleum oils or oils obtained from bituminous materials, refined	4 126 047	6 601 939
Paints, varnishes, artists' colours, ink, masterbatch and the like	1 841 640	3 426 168
Natural rubber in primary forms or in bales or latex	1 613 314	3 086 908
Perfumes and toilet preparations	1 530 578	2 022 862
Synthetic resins	461 731	1 577 911
Synthetic rubber and mixtures thereof in primary forms or in latex or bales	1 562 532	1 849 426
Bitumen or asphalt	608 211	1 587 824
Cleaning and polishing preparations	1 326 883	1 366 563
Vegetable oils or fats	1 035 619	1 344 503
Pesticides, insecticides, fungicides or herbicides	810 446	1 241 825
Petroleum jelly, paraffin wax, other mineral waxes or similar products	534 524	953 406
Plastic plates, sheets, film, foil or strips of plastic and plastic products, excluding packaging	1 272 904	1 005 881
Unvulcanised compounded rubber, in primary forms or in sheets or strips	355 098	740 553
Non-metallic minerals	613 279	768 922
Glues, gelatine, peptones, caseinates, albumates and other binding materials	175 637	714 347
Other colouring matter or dyes	393 150	551 665

Table 14 – Purchases of raw materials for the coke, petroleum products, chemical products, rubber and plastic products division in 2011 and 2014 (concluded)

Description	2011	2014
	R'000	R'000
Gypsum, limestone or other calcareous or siliceous stone	229 463	358 955
Other pulp, paper or paperboard products	278 655	313 045
Natural water included in final product	119 788	251 409
Iron ore and concentrates	164 480	221 612
Non-ferrous ore and concentrates (e.g. copper, nickel, aluminium)	215 035	220 369
Natural sand	100 267	191 829
Hardware metal products	81 479	112 894
Other raw materials	19 695 027	6 827 680
Total raw materials	287 567 649	465 896 443

Table 15 – Purchases of raw materials for the glass and other non-metallic mineral products division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Portland cement, aluminium cement, slag cement or similar hydraulic cements	3 824 615	5 460 270
Other stone, sand or clay	2 085 202	2 418 692
Boiler ash, fly ash, blast furnace slag, silica fumes	924 615	1 778 405
Clays and natural sand	1 565 735	1 732 887
Cement clinkers	1 342 885	1 612 222
Other cement, lime or plaster	875 571	1 021 441
Dimension building stone e.g. granite, marble, sandstone, slate, quartz or other monumental or building stone	664 857	952 908
Plastic plates, sheets, film, foil or strips	265 171	462 155
Petroleum oils or oils obtained from bituminous materials, refined	288 518	309 542
Paints, varnishes, artists' colours, ink, masterbatch and the like	276 946	292 243
Other raw materials	5 800 173	12 512 879
Total raw materials	17 914 288	28 553 644

Table 16 – Purchases of raw materials for the metals, metal products, machinery and equipment division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Non-ferrous metals, non-ferrous ore and concentrates (e.g. copper, nickel, aluminium), precious metals, copper, nickel, aluminium, lead, zinc or tin, unwrought, non-ferrous metals and articles thereof	53 517 017	57 105 904
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	16 219 043	24 660 767
Flat-rolled products of iron and alloy steel, not further worked than hot or cold rolled	11 585 540	17 897 092
Machinery for mining, quarrying and construction and parts thereof	4 632 178	8 840 157
Semi-finished products of iron and steel, including stainless steel (e.g. castings)	6 332 100	7 201 220
Bars and rods of iron and alloy steel, including stainless steel	3 332 829	5 445 798
Tubes, pipes and hollow profiles; tube or pipe fittings of iron and alloy steel	4 305 214	6 449 165
Metallic waste and scrap	4 875 963	5 229 811
Iron ore and concentrates	1 592 515	3 551 033
Other special purpose machinery and parts thereof	2 407 946	4 570 590
Other general purpose machinery and parts thereof	4 834 122	4 225 467
Pumps, compressors, valves and parts thereof	3 683 181	3 428 409
Angles, shapes or sections of iron and alloy steel, including stainless steel	2 743 939	2 767 367
Domestic appliances, other fabricated metal products and parts thereof	1 815 708	2 715 809
Wire of iron and alloy steel	1 522 598	2 446 611
Computing machinery and parts and accessories thereof	1 285 096	2 244 981
Coke oven products; refined petroleum products	1 572 067	1 997 123
Bearings, gears, gearing and driving elements and parts thereof	1 654 062	1 919 942
Machinery for food, beverage and tobacco processing and parts thereof	1 236 344	1 566 011
Semi-finished products of non-ferrous metals (e.g. castings, bars, rods, profiles)	1 668 605	1 503 680
Paints, varnishes, artists' colours, ink, masterbatch and the like	852 781	1 348 351
Lifting and handling equipment and parts thereof	1 050 787	1 138 895

Table 16 – Purchases of raw materials for the metals, metal products, machinery and equipment division in 2011 and 2014 (concluded)

Description	2011	2014
	R'000	R'000
Electric motors, generators and transformers and parts thereof	819 673	1 019 041
Electronic components	948 451	938 463
Engines, turbines and parts thereof	534 024	661 489
Fasteners, springs and articles of metal wire	619 718	765 128
Agricultural or forestry machinery and parts thereof	491 868	682 627
Motor vehicle parts and accessories (new), including new engines	531 464	542 054
Plastic products, excluding packaging	425 594	506 581
Hardware metal products	431 142	501 500
Weapons and ammunition and parts thereof	465 309	417 028
Products of wood, cork, straw and other plaiting materials	63 550	143 597
Reconditioned motor vehicle parts	90 259	67 130
Other raw materials	35 357 148	29 609 384
Total raw materials	173 497 835	204 108 205

Table 17 – Purchases of raw materials for the electrical machinery and apparatus division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Insulated wire and cable; optical fibre cables	2 472 127	6 428 741
Copper, nickel, aluminium, lead, zinc or tin, unwrought	3 365 091	5 262 910
Electricity distribution, protection and control apparatus and parts thereof	1 853 242	3 481 630
Electric motors, generators and transformers and parts thereof	2 429 476	3 157 912
Accumulators, primary cells and primary batteries and parts thereof	773 899	1 981 392
Other electrical machinery, equipment and parts thereof	1 117 487	1 529 196
Non-ferrous ore and concentrates (e.g. copper, nickel, aluminium)	819 262	1 645 810
Electronic components	927 784	1 276 350
Semi-finished products of non-ferrous metals (e.g. castings, bars, rods, profiles)	219 089	898 909
Flat-rolled products, not further worked than hot or cold rolled of iron and alloy steel, including stainless steel	876 679	711 905
Motor vehicle parts and accessories (new), including new engines	421 406	595 623
Other fabricated metal products	113 638	496 613
Plastic plates, sheets, film, foil or strips	218 816	368 660
Synthetic resins	276 160	364 639
Engines, turbines and parts thereof	247 742	348 591
Other general purpose machinery and parts thereof	292 994	291 380
Coke oven products; refined petroleum products	252 315	261 312
Polymers (plastic raw materials) e.g. chips, powders, granules	118 195	243 932
Plastic products, excluding packaging	206 648	210 458
Fasteners, springs and articles of metal wire	88 094	182 949
Other raw materials	8 272 199	6 843 920
Total raw materials	25 362 343	36 582 832

Table 18 – Purchases of raw materials for the communication, medical and optical equipment division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Radio, television and other communication apparatus and parts and accessories thereof	982 626	2 492 558
Electronic components	1 065 668	2 158 701
Computing machinery and parts, parts and accessories of medical, surgical and orthopaedic equipment and appliances thereof	465 775	736 155
Electrical insulating fittings of plastic and plastic products, excluding packaging	150 128	289 282
Fibreglass	254 183	282 647
Other fabricated metal products	114 575	216 160
Other raw materials	3 488 484	2 298 105
Total raw materials	6 521 439	8 473 608

Table 19 – Purchases of raw materials for the transport equipment division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Motor vehicle parts and accessories (new), including new engines	53 845 196	83 233 205
Bodies for motor vehicles; trailers and semi-trailers; parts and accessories thereof	27 530 536	18 173 254
Parts and accessories of railway locomotives and rolling stock and parts thereof	1 073 375	2 586 965
Precious metals	7 111 246	9 034 008
Flat-rolled products, not further worked than hot or cold rolled of iron and alloy steel, including stainless steel	5 528 582	7 622 419
Other transport equipment and parts and accessories thereof	4 217 516	5 020 587
Semi-finished products of iron and steel, including stainless steel (e.g. castings)	805 199	2 975 980
Tubes, pipes and hollow profiles; tube or pipe fittings of iron and alloy steel, including stainless steel	1 711 807	2 688 155
Electric motors, generators and transformers, electronic components, other electrical machinery, equipment and parts thereof	1 567 727	2 322 158
Primary products of iron and steel metallurgy (e.g. pig iron, ferro-alloys)	1 524 378	2 187 821
Tanned or dressed leather; composition/synthetic leather	1 319 979	1 308 104
Hardware metal products	880 096	1 348 997
Copper, nickel, aluminium, lead, zinc or tin, unwrought	624 591	1 137 340
Other fabricated metal products	1 161 255	1 089 475
Angles, shapes or sections of iron and alloy steel, including stainless steel	431 884	981 433
Other rolled, drawn or folded products of iron and alloy steel, including stainless steel	1 091 109	840 978
Semi-finished products of non-ferrous metals (e.g. castings, bars, rods, profiles)	337 131	921 809
Bars and rods of iron and alloy steel, including stainless steel	777 562	694 163
Fibreglass	366 571	658 852
Articles of leather	493 031	552 156
Reconditioned motor vehicle parts	1 671 958	446 374
Engines, turbines and parts thereof	224 737	201 022
Fasteners, springs and articles of metal wire	99 131	175 833
Other raw materials	19 866 581	19 623 509
Total raw materials	134 261 178	165 824 597

Table 20 – Purchases of raw materials for the furniture and other manufactured products (including recycling) division in 2011 and 2014

Description	2011	2014
	R'000	R'000
Metallic waste and scrap	5 757 884	6 974 604
Unworked precious and semi-precious stones, including diamonds, but not industrial diamonds	3 822 345	5 069 454
Basic precious metals (e.g. gold, platinum, silver) or metals clad with precious metals	1 105 993	1 481 793
Non-metallic waste and scrap	1 768 028	1 013 640
Boards, panels of wood and logs of coniferous wood	286 209	385 420
Unworked industrial diamonds	392 443	804 219
Tanned or dressed leather; composition/synthetic leather	348 998	619 190
Plastic products, excluding packaging	636 571	534 977
Fasteners, springs and articles of metal wire	357 014	460 136
Flat-rolled products, not further worked than hot or cold rolled of iron and alloy steel, including stainless steel	545 616	418 335
Wood in the rough, treated or impregnated	426 941	357 948
Polymers (plastic raw materials) e.g. chips, powders, granules	45 444	123 897
Products of wood, cork, straw and other plaiting materials	215 172	267 704
Hardware metal products	72 404	113 113
Articles of plastic	105 935	173 128
Bars and rods of iron and alloy steel, including stainless steel	65 085	69 489
Angles, shapes or sections of iron and alloy steel, including stainless steel	15 250	32 702
Chemical minerals	9 754	9 192
Plastic tubes, pipes and fittings therefor	3 860	7 211
Other raw materials	12 728 801	11 093 641
Total raw materials	28 709 747	30 009 793

Explanatory notes

Background

The results presented in this publication have been derived from the 2014 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 and public 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 2011 (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 2013 and 30 June 2014.

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, 2014

Size group	Turnover
Large enterprises	Turnover > R229 500 000
Medium enterprises	R58 500 000 < turnover <= R229 500 000
Small enterprises	R22 500 000 < turnover <= R58 500 000
Micro enterprises	Turnover <= R22 500 000

Survey methodology and design

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

A sample of approximately 15 500 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 are completely enumerated. Also micro enterprises with more than one geographic location were fully selected. Business register turnover was used as the measure of size for stratification. A collection rate of 78,1% was achieved.

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.

Revisions to 2011 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

Glossary

Enterprise	A legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.
Collection rate	Collection rate = (Number of collected questionnaires + number of out-of-scope and inactive (zero contributing) enterprises)*100/sample size.
Statistical unit	A unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.