

# **Manufacturing industry: Financial, 2011**

Statistics South Africa

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Statistician-General

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**Manufacturing industry: Financial, 2011/** Statistics South Africa

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## 1. Introduction

This publication updates Statistical release P3002, *Manufacturing industry*, 2011, and provides details at the 4-digit Standard Industrial Classification level of classification of enterprises (*Standard Industrial Classification of all Economic Activities* (SIC), Fifth edition, Report No. 09-09-02). The financial information has been revised following the reclassification of some enterprises. Additional tables have been added (income by enterprise size, concentration ratios, details of purchases, details of inventories, employment by enterprise size, imports and exports and information and communication technology usage). Details of the values and quantities of manufactured products sold during 2011 and further details of purchases are to follow in *Manufacturing industry: Production*, 2011, Report No. 30-02-04.

The estimates presented here are derived from the results of the 2011 manufacturing large sample survey (LSS). The survey collected data from a sample of approximately 10 000 enterprises drawn from a sampling frame of approximately 52 000 enterprises which were operating between 1 July 2010 and 30 June 2011. The sample was stratified in such a way that all large and medium sized enterprises (with turnover equal to or larger than R24 million) were included. The collection rate was 81%.

The survey is conducted every three years and measures economic activity in the manufacturing industry of the South African economy. The previous manufacturing LSS was conducted in 2008 (Statistical release P3002 *Manufacturing industry*, 2008 and Reports No. 30-02-03 (2008) and 30-02-04 (2008)).

### 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: industrial classification, details of employment, income, expenditure, profit or loss, inventories, carrying value of assets, and details of products manufactured.

### 1.3 Reference period

The questionnaires were completed for the financial year of the enterprise which ends on any date between 1 July 2010 and 30 June 2011, according to the usual reporting schedule of the enterprise.

#### *Example*

- 1 October 2009 – 30 September 2010
- 1 January 2009 – 31 December 2010
- 1 February 2010 – 31 January 2011
- 1 March 2010 – 28 February 2011
- 1 April 2010 – 31 March 2011

### 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.

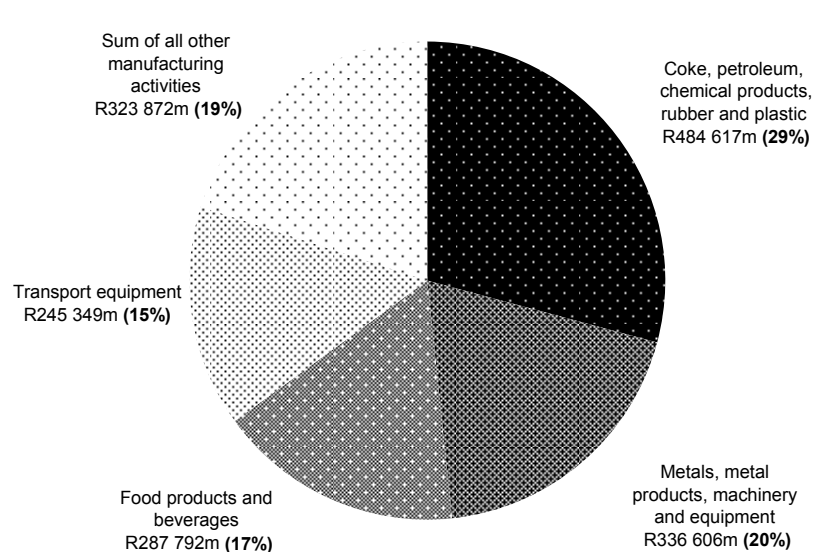
The following are some of the likely sources of non-sampling errors: sampling frame not up-to-date, wrong definitions and classification, phrasing of questions, non-response, processing and estimation. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them 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.

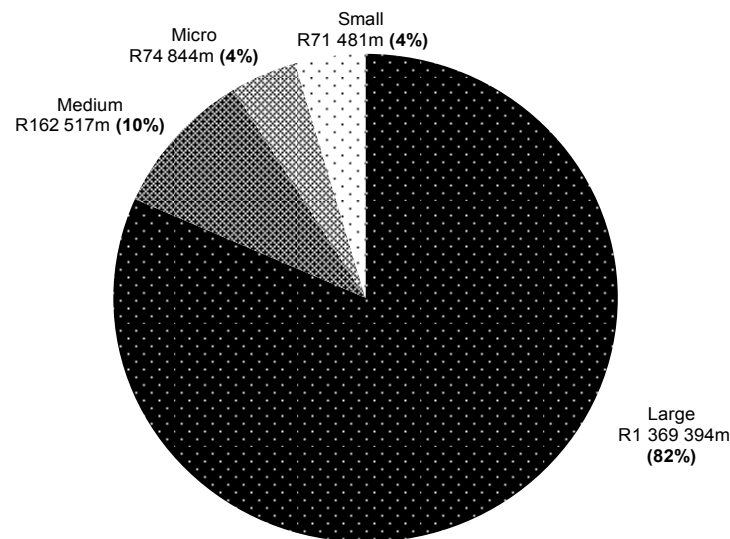
## 2 Summary of findings for the year 2011

**Figure 1 – Breakdown of income by type of activity in the manufacturing industry, 2011**



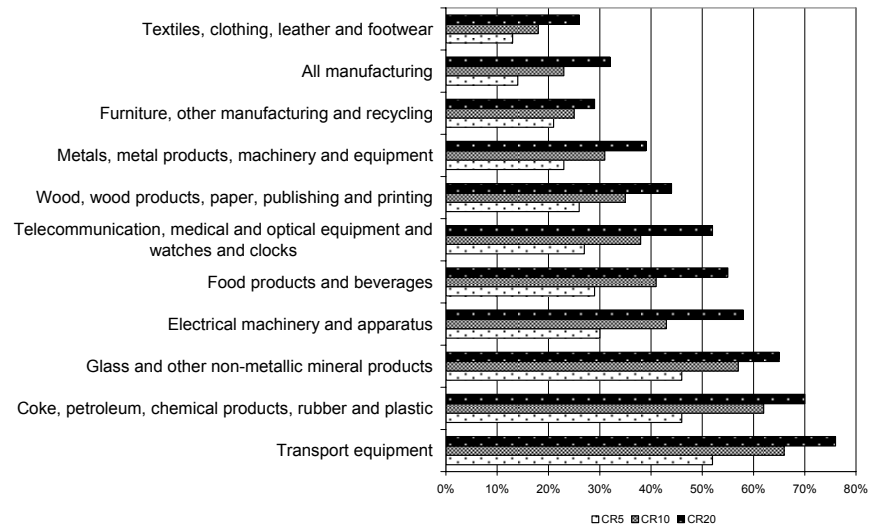
The total income for the manufacturing industry in 2011 was R1 678 236 million. The largest contributor to the total income was 'coke, petroleum, chemical products, rubber and plastic' (R484 617 million or 29%), followed by 'metals, metal products, machinery and equipment' (R336 606 million or 20%) and 'food products and beverages' (R287 792 million or 17%) (Figure 1 and Table 1, pages 8-13).

**Figure 2 – Breakdown of income by enterprise size in the manufacturing industry, 2011**



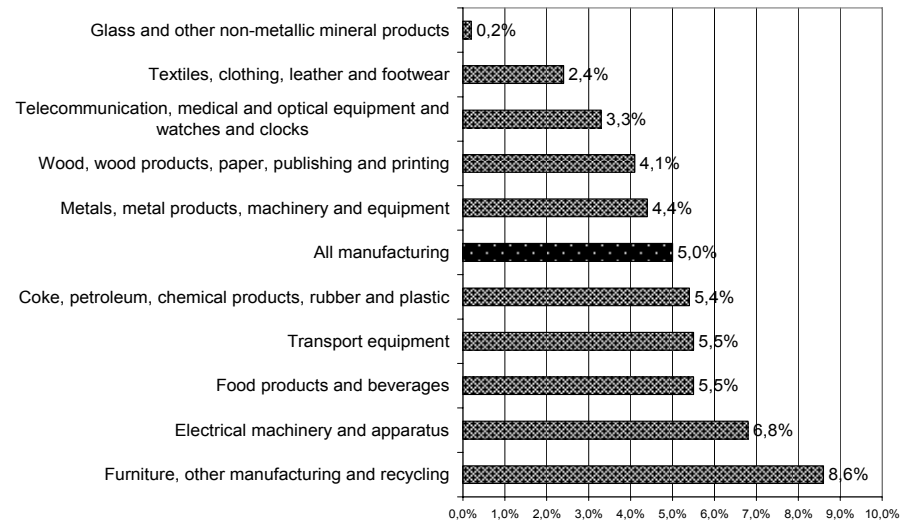
Analysis of income by enterprise size in the manufacturing industry in 2011 indicates that large enterprises (those with turnover equal to or greater than R104 million) earned 82% (R1 369 394 million) of the total income (Figure 2 and Table 4, page 22).

**Figure 3 – Concentration ratios (CR) in the manufacturing industry, 2011**



The 20 largest enterprises contributed 32% to the total income of the manufacturing industry in 2011. The contribution of the five largest enterprises per division ranges from 13% for 'textiles, clothing, leather and footwear' to 52% for 'transport equipment' (Figure 3 and Table 5, pages 23-28).

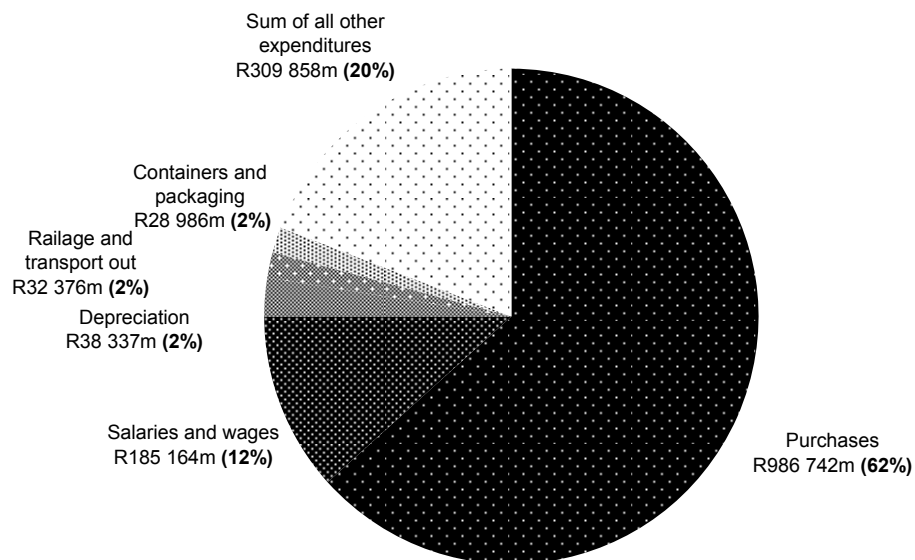
**Figure 4 – Profit margins in the manufacturing industry, 2011**



The profit margin ('net profit after tax divided by turnover') for the manufacturing industry in 2011 was 5,0%. The profit margin ranged from 0,2% for 'glass and other non-metallic mineral products' to 8,6% for 'furniture, other manufacturing and recycling' (Figure 4 and Table 2, pages 14-17).

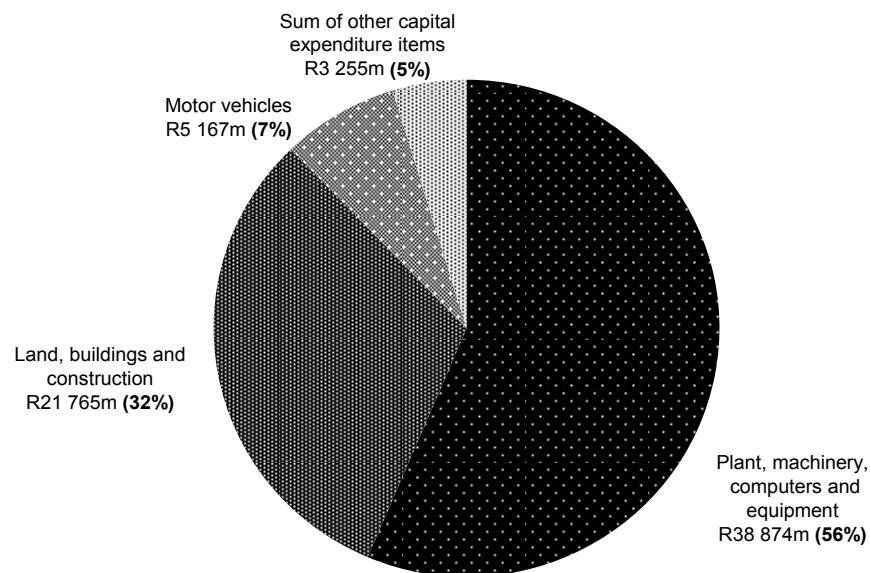


**Figure 5 – Composition of expenditure in the manufacturing industry, 2011**



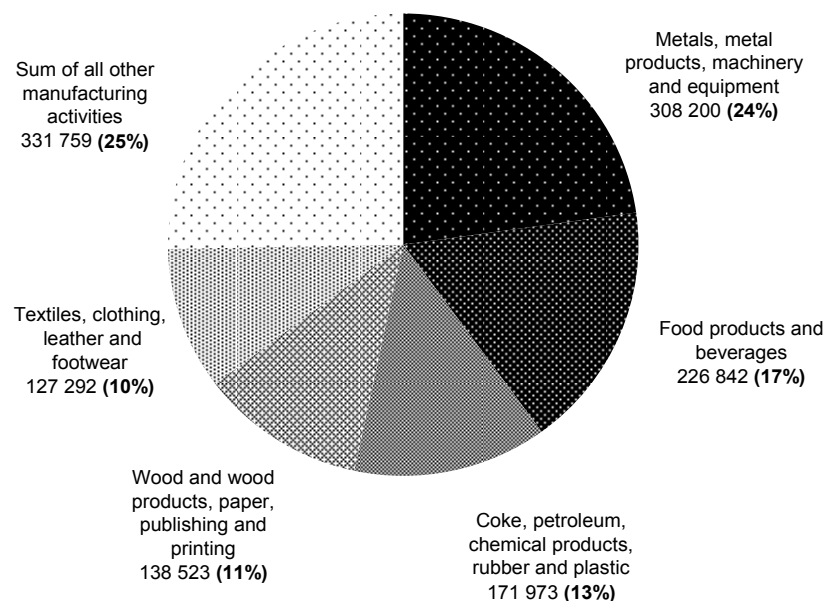
Expenditure in the manufacturing industry in 2011 amounted to R1 581 463 million. The expenditure consisted primarily of purchases (R986 742 million or 62%), followed by salaries and wages (R185 164 million or 12%) and depreciation (R38 337 million or 2%) (Figure 5 and Table 6, pages 29-43).

**Figure 6 – Composition of capital expenditure on new assets in the manufacturing industry, 2011**



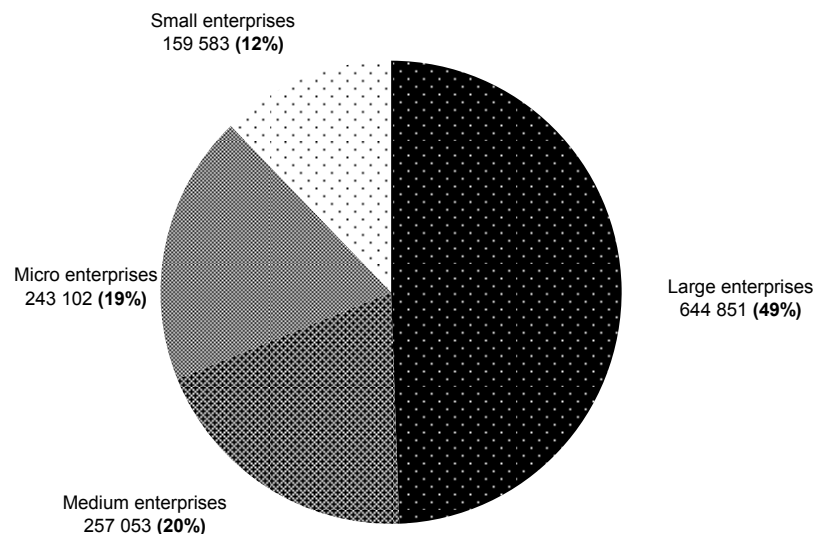
The capital expenditure on new assets in the manufacturing industry in 2011 amounted to R69 061 million. It was composed primarily of 'plant, machinery, computers and equipment' (R38 874 million or 56%), followed by 'land, buildings and construction' (R21 765 million or 32%) and 'motor vehicles' (R5 167 million or 7%) (Figure 6 and Table 12, pages 74-78).

**Figure 7 – Employment by type of activity in the manufacturing industry, 2011**



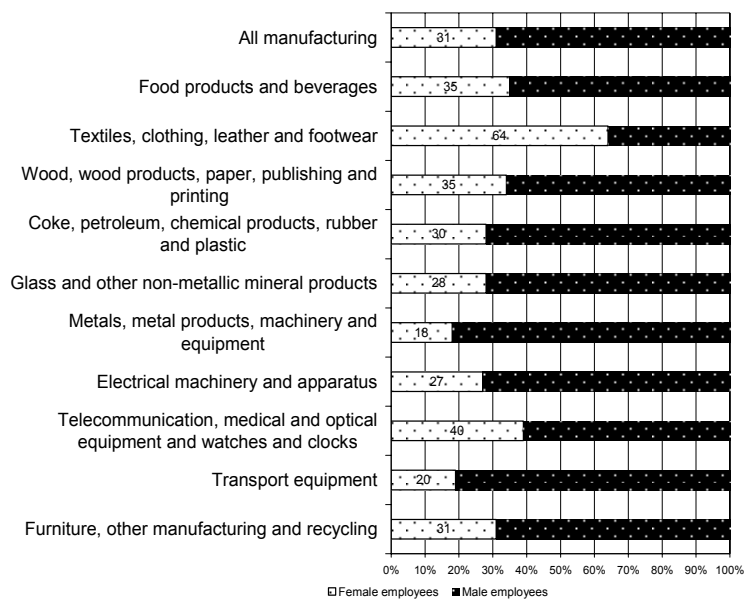
The total number of persons employed in the manufacturing industry at the end of June 2011 was 1 304 589. 'Metals, metal products, machinery and equipment' employed the largest number of persons (308 200 or 24%), followed by 'food products and beverages' (226 842 or 17%) and 'coke, petroleum, chemical products, rubber and plastic' (171 973 or 13%) (Figure 7 and Table 13, pages 79-82).

**Figure 8 – Employment by enterprise size in the manufacturing industry, 2011**



The proportional contribution of the medium, small and micro enterprises with respect to employment was greater than their contribution to total income (Figure 2, page 3). Small, medium and micro enterprises (those with turnover less than R104 million) employed 51% (659 738) of the workers in the manufacturing industry (Figure 8 and Table 14, page 83-86).

**Figure 9 – Employment by gender in the manufacturing industry, 2011**



*PJ*  
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The proportion of females in the work force was 31%. The proportion of females by type of manufacturing ranged from 18% in 'metals, metal products, machinery and equipment' to 64% in 'textiles, clothing, leather and footwear' (Figure 9 and Table 13, pages 79-82).

### 3. Tables

**Table 1 – Principal statistics in the manufacturing industry, 2011**

Type of manufacture	Total income	Total expenditure	Net profit before tax	Value of opening inventories	Value of closing inventories	Carrying value of assets at year beginning	Carrying value of assets at year end	Capital expenditure on new assets
	R million							
<b>Division 30 - Food products and beverages</b>	<b>287 792</b>	<b>268 125</b>	<b>21 154</b>	<b>26 525</b>	<b>28 014</b>	<b>66 591</b>	<b>71 186</b>	<b>11 506</b>
Production, processing and preserving of meat and meat products	28 736	28 672	143	1 179	1 258	4 474	4 277	438
Processing and preserving of fish and fish products	2 619	2 529	97	265	272	756	723	57
Processing and preserving of fruit and vegetables	11 225	11 593	-322	1 783	1 829	2 739	2 429	388
Manufacture of vegetable and animal oils and fats	19 924	18 995	1 633	1 593	2 297	6 769	7 063	595
Manufacture of dairy products	22 967	21 729	1 240	1 697	1 698	4 439	4 830	765
Manufacture of grain mill products, starches and starch products	35 331	34 413	975	3 325	3 383	7 698	8 562	1 412
Manufacture of prepared animal feeds	17 142	16 041	1 076	857	833	2 397	2 520	397
Manufacture of bakery products	17 941	16 628	1 375	1 013	1 075	2 824	3 098	659
Manufacture of sugar, cocoa, chocolate and sugar confectionery	23 558	21 721	2 076	1 959	2 198	5 668	6 722	1 506
Manufacture of other food products	32 159	28 938	3 346	3 252	3 377	7 244	7 749	1 266
Manufacture of alcoholic and non-alcoholic beverages	76 190	66 866	9 515	9 602	9 794	21 583	23 213	4 023
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>46 511</b>	<b>45 710</b>	<b>1 675</b>	<b>6 945</b>	<b>7 817</b>	<b>6 813</b>	<b>6 539</b>	<b>1 050</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	4 497	4 609	-42	1 006	1 076	1 112	1 133	162
Manufacture of made-up textile articles, except apparel	7 731	7 484	380	1 132	1 265	1 192	1 206	150
Manufacture of carpets, rugs and mats	1 475	1 423	59	362	369	578	560	93
Manufacture of cordage, rope, twine and netting	357	311	49	34	37	68	80	20
Manufacture of other textiles	4 140	3 902	337	493	592	877	861	135
Manufacture of knitted and crocheted fabrics and articles	1 847	1 802	70	367	391	287	309	83
Manufacture of wearing apparel, except fur apparel	18 392	18 308	515	2 512	2 942	1 753	1 458	276
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	3 011	3 026	22	356	394	432	453	60
Manufacture of luggage, handbags and the like, saddlery and harness	829	798	38	95	102	129	117	21
Manufacture of footwear	4 232	4 047	247	588	649	385	362	50

**Table 1 – Principal statistics in the manufacturing industry, 2011 (continued)**

Type of manufacture	Total income	Total expenditure	Net profit before tax	Value of opening inventories	Value of closing inventories	Carrying value of assets at year beginning	Carrying value of assets at year end	Capital expenditure on new assets
<b>R million</b>								
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>104 354</b>	<b>99 232</b>	<b>5 537</b>	<b>9 109</b>	<b>9 524</b>	<b>34 496</b>	<b>35 096</b>	<b>5 432</b>
Sawmilling and planing of wood	7 091	6 857	205	599	570	1 432	1 397	224
Manufacture of veneer sheets, plywood and other boards	4 642	4 505	160	574	596	2 890	2 803	87
Manufacture of builders' carpentry and joinery	3 665	3 557	156	388	437	369	373	86
Manufacture of wooden containers	1 322	1 277	56	54	65	80	82	25
Manufacture of other products of wood, articles of cork, straw and plaiting materials	3 197	3 122	85	308	317	355	321	61
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	17 615	17 016	799	1 766	1 966	5 029	5 324	928
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	25 412	24 864	701	2 668	2 821	11 838	11 824	1 287
Publishing of books, brochures, musical books and other publications	6 153	4 991	1 068	793	699	821	908	203
Publishing of newspapers, journals and periodicals	14 194	13 444	728	80	58	2 873	2 649	222
Publishing of recorded media and other publishing	548	545	-2	24	19	59	57	22
Printing	17 714	16 514	1 334	1 623	1 758	6 679	7 074	1 876
Service activities related to printing and reproduction of recorded media	2 801	2 540	247	232	218	2 071	2 284	411

**Table 1 – Principal statistics in the manufacturing industry, 2011 (continued)**

Type of manufacture	Total income	Total expenditure	Net profit before tax	Value of opening inventories	Value of closing inventories	Carrying value of assets at year beginning	Carrying value of assets at year end	Capital expenditure on new assets
R million								
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>484 617</b>	<b>454 047</b>	<b>37 308</b>	<b>45 795</b>	<b>52 531</b>	<b>120 764</b>	<b>129 939</b>	<b>25 115</b>
Manufacture of coke oven products	2 910	2 258	660	85	92	716	721	59
Manufacture of petrol, fuel oils and other petroleum products	276 755	261 617	20 208	20 930	26 000	47 967	52 060	13 009
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	32 271	30 560	1 867	3 430	3 586	16 467	16 356	1 387
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	38 850	37 957	862	5 373	5 342	16 508	17 111	1 966
Manufacture of pesticides and other agro-chemical products	2 076	1 816	252	352	344	180	161	35
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	12 877	12 237	800	1 726	1 885	3 562	3 519	278
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	20 075	17 104	3 126	3 235	3 389	7 694	8 753	1 518
Manufacture of soap and detergents, perfumes and toilet preparations	33 240	27 399	6 018	3 401	3 578	12 118	15 017	3 548
Manufacture of other chemical products	14 758	13 622	1 319	1 782	1 965	4 554	4 672	614
Manufacture of man-made fibres and of other rubber products	10 273	10 498	144	1 514	1 884	2 148	2 268	393
Manufacture of rubber tyres and tubes and retreading of tyres	4 046	3 906	222	342	424	860	816	119
Manufacture of plastic products	36 486	35 073	1 830	3 625	4 042	7 990	8 485	2 189
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>53 608</b>	<b>52 580</b>	<b>1 112</b>	<b>5 790</b>	<b>5 873</b>	<b>41 758</b>	<b>40 989</b>	<b>3 145</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	12 587	12 931	-230	1 967	2 082	10 443	10 856	1 328
Manufacture of refractory ceramic products	3 884	3 573	252	761	702	567	586	63
Manufacture of structural non-refractory clay and ceramic products	4 066	4 177	-148	547	509	2 254	1 991	258
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	28 512	27 685	881	1 898	1 951	27 840	26 914	1 399
Cutting and shaping of stone	596	590	15	64	73	90	81	9
Manufacture of other non-metallic mineral products	3 963	3 624	342	553	556	564	561	88

**Table 1 – Principal statistics in the manufacturing industry, 2011 (continued)**

Type of manufacture	Total income	Total expenditure	Net profit before tax	Value of opening inventories	Value of closing inventories	Carrying value of assets at year beginning	Carrying value of assets at year end	Capital expenditure on new assets
R million								
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>336 606</b>	<b>319 308</b>	<b>20 986</b>	<b>46 583</b>	<b>50 272</b>	<b>79 931</b>	<b>80 145</b>	<b>11 248</b>
Manufacture of basic iron and steel and of primary iron and steel products	69 108	68 907	2 733	10 755	13 287	28 985	29 127	2 372
Manufacture of basic precious and non-ferrous metals	58 807	54 847	4 948	9 438	10 425	19 024	16 792	1 202
Casting of iron and steel	10 318	10 538	-251	1 671	1 641	2 817	2 568	324
Casting of non-ferrous metals	662	624	39	49	50	164	155	12
Manufacture of structural metal products	30 470	29 266	1 188	2 455	2 441	4 063	5 829	2 413
Manufacture of tanks, reservoirs and similar containers of metal	1 809	1 724	107	128	149	214	197	24
Manufacture of steam generators, except central heating water boilers	744	726	31	45	58	112	212	128
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	1 559	1 556	20	139	156	511	460	32
Treatment and coating of metals; general mechanical engineering	14 835	13 772	1 017	756	710	2 741	2 817	589
Manufacture of cutlery, hand tools and general hardware	3 949	3 716	264	802	832	715	687	102
Manufacture of other fabricated metal products	46 104	44 389	1 535	6 966	6 786	9 429	9 474	1 293
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 319	1 202	162	150	195	194	199	40
Manufacture of pumps, compressors, taps and valves	10 205	9 688	679	1 440	1 603	1 102	1 234	362
Manufacture of bearings, gears, gearing and driving elements	2 138	1 922	260	301	346	264	269	60
Manufacture of ovens, furnaces and furnace burners	560	439	77	71	27	56	50	7
Manufacture of lifting and handling equipment	5 756	5 018	527	740	529	384	406	112
Manufacture of other general purpose machinery	20 086	18 292	1 962	2 007	2 175	1 668	1 829	511
Manufacture of agricultural and forestry machinery	2 929	2 638	331	328	367	238	295	121
Manufacture of machine tools	1 930	1 857	113	197	238	340	325	52
Manufacture of machinery for mining, quarrying, construction and metallurgy	23 892	21 310	2 633	4 151	4 202	2 356	2 748	808

**Table 1 – Principal statistics in the manufacturing industry, 2011 (continued)**

Type of manufacture	Total income	Total expenditure	Net profit before tax	Value of opening inventories	Value of closing inventories	Carrying value of assets at year beginning	Carrying value of assets at year end	Capital expenditure on new assets
<b>R million</b>								
Manufacture of machinery for food, beverage and tobacco processing	2 936	2 785	149	355	352	459	471	46
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	15 496	13 953	1 548	2 291	2 296	2 291	2 218	500
Manufacture of household appliances	6 280	5 657	654	593	625	1 418	1 405	84
Manufacture of office, accounting and computing machinery	4 714	4 482	260	755	782	386	378	54
<b>Division 36 - Electrical machinery and apparatus</b>	<b>48 851</b>	<b>44 832</b>	<b>4 464</b>	<b>6 971</b>	<b>7 417</b>	<b>11 591</b>	<b>11 654</b>	<b>1 004</b>
Manufacture of electric motors, generators and transformers	13 944	12 690	1 140	2 176	2 062	7 277	7 338	330
Manufacture of electricity distribution and control apparatus	10 104	8 785	1 387	1 291	1 359	639	608	100
Manufacture of insulated wire and cable	9 355	9 103	629	1 247	1 624	1 316	1 346	181
Manufacture of accumulators, primary cells and batteries and lighting equipment	4 866	4 487	491	687	800	789	824	133
Manufacture of other electrical equipment	10 582	9 767	817	1 570	1 572	1 570	1 538	260
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>14 277</b>	<b>13 614</b>	<b>726</b>	<b>2 287</b>	<b>2 349</b>	<b>1 807</b>	<b>1 780</b>	<b>435</b>
Manufacture of electronic valves and tubes and other electronic components	1 160	1 136	41	163	179	236	248	56
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	5 473	5 291	108	991	917	999	926	166
Manufacture of medical and surgical equipment and orthopaedic appliances	2 617	2 456	216	393	448	245	235	70
Manufacture of instruments and appliances for measuring, testing and navigating	3 721	3 461	275	448	462	249	269	97
Manufacture of industrial process control equipment	235	217	20	16	19	5	8	5
Manufacture of watches and clocks, optical instruments and photographic equipment	1 071	1 053	66	276	324	73	94	41



**Table 1 – Principal statistics in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Total income	Total expenditure	Net profit before tax	Value of opening inventories	Value of closing inventories	Carrying value of assets at year beginning	Carrying value of assets at year end	Capital expenditure on new assets
R million								
<b>Division 38 - Transport equipment</b>	<b>245 349</b>	<b>233 252</b>	<b>15 323</b>	<b>30 219</b>	<b>33 445</b>	<b>28 996</b>	<b>31 151</b>	<b>8 505</b>
Manufacture of motor vehicles	158 469	148 990	11 517	19 978	22 017	16 294	17 484	5 863
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	12 662	12 285	633	1 966	2 222	1 187	1 549	541
Manufacture of parts for motor vehicles and their engines	47 491	46 689	1 563	4 661	5 422	6 017	6 073	1 160
Building and repairing of ships	1 008	990	-8	205	179	164	159	19
Building and repairing of pleasure and sporting boats	655	751	-39	120	176	128	140	51
Manufacture of railway and tramway locomotives and rolling stock	17 834	16 146	1 759	2 178	2 249	4 109	4 579	696
Manufacture of aircraft	6 248	6 383	-61	1 014	1 088	1 030	1 068	127
Manufacture of other transport equipment	982	1 018	-41	97	92	67	99	48
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>56 271</b>	<b>50 763</b>	<b>6 476</b>	<b>6 319</b>	<b>7 287</b>	<b>8 987</b>	<b>9 276</b>	<b>1 621</b>
Manufacture of furniture	13 521	12 927	702	937	1 046	2 238	2 271	404
Manufacture of jewellery and related articles	6 902	7 286	169	1 803	2 357	613	647	119
Manufacture of musical instruments, sports goods, games and toys	852	794	62	69	73	60	82	40
Other manufacturing, including manufacturing of tobacco and tobacco products	23 588	18 568	5 148	2 889	3 016	3 089	3 161	708
Recycling of waste and scrap	11 408	11 188	395	621	795	2 987	3 115	350
<b>Total</b>	<b>1 678 236</b>	<b>1 581 463</b>	<b>114 761</b>	<b>186 543</b>	<b>204 529</b>	<b>401 734</b>	<b>417 755</b>	<b>69 061</b>

**Table 2 – Intermediate consumption, output, value added and profit margin in the manufacturing industry, 2011**

Type of manufacture	Intermediate consumption	Output	Value added	Net profit after tax	Turnover	Profit margin
	R million					%
<b>Division 30 - Food products and beverages</b>	<b>205 566</b>	<b>274 073</b>	<b>68 507</b>	<b>14 559</b>	<b>267 106</b>	<b>5,5</b>
Production, processing and preserving of meat and meat products	25 002	28 289	3 287	-46	28 397	-0,2
Processing and preserving of fish and fish products	1 894	2 505	611	56	2 565	2,2
Processing and preserving of fruit and vegetables	9 206	10 849	1 643	-633	10 881	-5,8
Manufacture of vegetable and animal oils and fats	16 402	19 619	3 217	1 153	19 702	5,9
Manufacture of dairy products	17 946	22 201	4 255	1 085	22 265	4,9
Manufacture of grain mill products, starches and starch products	28 622	34 040	5 418	691	34 458	2,0
Manufacture of prepared animal feeds	14 094	16 780	2 686	839	12 598	6,7
Manufacture of bakery products	12 916	17 436	4 520	1 046	17 548	6,0
Manufacture of sugar, cocoa, chocolate and sugar confectionery	16 523	22 399	5 876	1 633	22 328	7,3
Manufacture of other food products	20 162	29 332	9 170	2 575	31 567	8,2
Manufacture of alcoholic and non-alcoholic beverages	42 799	70 623	27 824	6 160	64 797	9,5
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>31 163</b>	<b>42 914</b>	<b>11 751</b>	<b>1 083</b>	<b>44 736</b>	<b>2,4</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	3 310	4 322	1 012	-93	4 335	-2,1
Manufacture of made-up textile articles, except apparel	5 533	7 370	1 837	275	7 483	3,7
Manufacture of carpets, rugs and mats	1 052	1 454	402	28	1 423	2,0
Manufacture of cordage, rope, twine and netting	221	342	121	39	347	11,2
Manufacture of other textiles	2 597	3 837	1 240	279	3 889	7,2
Manufacture of knitted and crocheted fabrics and articles	1 283	1 752	469	45	1 793	2,5
Manufacture of wearing apparel, except fur apparel	11 755	16 251	4 496	333	17 879	1,9
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	2 393	2 981	588	-26	2 918	-0,9
Manufacture of luggage, handbags and the like, saddlery and harness	532	786	254	29	819	3,5
Manufacture of footwear	2 487	3 819	1 332	174	3 850	4,5

**Table 2 – Intermediate consumption, output, value added and profit margin in the manufacturing industry, 2011 (continued)**

Type of manufacture	Intermediate consumption	Output	Value added	Net profit after tax	Turnover	Profit margin
	R million					%
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>68 754</b>	<b>99 073</b>	<b>30 319</b>	<b>3 687</b>	<b>89 880</b>	<b>4,1</b>
Sawmilling and planing of wood	5 202	6 961	1 759	135	6 948	1,9
Manufacture of veneer sheets, plywood and other boards	2 865	3 994	1 129	104	4 185	2,5
Manufacture of builders' carpentry and joinery	2 490	3 578	1 088	104	3 592	2,9
Manufacture of wooden containers	1 037	1 295	258	37	1 312	2,8
Manufacture of other products of wood, articles of cork, straw and plaiting materials	2 183	3 082	899	51	3 148	1,6
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	12 530	16 875	4 345	573	17 230	3,3
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	17 900	23 513	5 613	304	24 227	1,3
Publishing of books, brochures, musical books and other publications	3 467	5 816	2 349	710	4 281	16,6
Publishing of newspapers, journals and periodicals	8 616	13 778	5 162	482	4 456	10,8
Publishing of recorded media and other publishing	400	542	142	-5	522	-1,0
Printing	10 611	16 854	6 243	985	17 236	5,7
Service activities related to printing and reproduction of recorded media	1 453	2 785	1 332	207	2 743	7,5
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>356 223</b>	<b>459 505</b>	<b>103 282</b>	<b>25 753</b>	<b>476 036</b>	<b>5,4</b>
Manufacture of coke oven products	1 905	2 834	929	462	2 786	16,6
Manufacture of petrol, fuel oils and other petroleum products	216 315	263 124	46 809	13 729	272 806	5,0
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	22 266	30 065	7 799	1 277	31 547	4,0
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	29 968	36 487	6 519	441	37 923	1,2
Manufacture of pesticides and other agro-chemical products	1 378	1 991	613	173	2 053	8,4
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	8 812	12 525	3 713	563	12 557	4,5
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	11 063	18 510	7 447	2 143	19 543	11,0
Manufacture of soap and detergents, perfumes and toilet preparations	21 717	32 469	10 752	4 664	32 771	14,2
Manufacture of other chemical products	8 170	13 814	5 644	916	14 495	6,3
Manufacture of man-made fibres and of other rubber products	6 188	8 422	2 234	77	10 092	0,8
Manufacture of rubber tyres and tubes and retreading of tyres	2 958	3 939	981	162	3 952	4,1
Manufacture of plastic products	25 483	35 325	9 842	1 146	35 511	3,2

<sup>1</sup> In this group, 'sundry trading income' (including advertising) is a major income item which is included in net profit after tax but not included in turnover, and it therefore inflates the profit margin.

**Table 2 – Intermediate consumption, output, value added and profit margin in the manufacturing industry, 2011 (continued)**

Type of manufacture	Intermediate consumption	Output	Value added	Net profit after tax	Turnover	Profit margin
	R million					%
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>33 442</b>	<b>50 590</b>	<b>17 148</b>	<b>118</b>	<b>49 689</b>	<b>0,2</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	6 435	10 778	4 343	-198	10 859	-1,8
Manufacture of refractory ceramic products	2 846	3 758	912	185	3 772	4,9
Manufacture of structural non-refractory clay and ceramic products	2 685	3 849	1 164	-248	3 742	-6,6
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	18 318	27 907	9 589	137	26 959	0,5
Cutting and shaping of stone	377	552	175	8	551	1,5
Manufacture of other non-metallic mineral products	2 781	3 746	965	234	3 806	6,1
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>237 616</b>	<b>323 128</b>	<b>85 512</b>	<b>13 962</b>	<b>320 536</b>	<b>4,4</b>
Manufacture of basic iron and steel and of primary iron and steel products	53 985	68 301	14 316	1 662	67 534	2,5
Manufacture of basic precious and non-ferrous metals	45 935	57 214	11 279	3 414	56 389	6,1
Casting of iron and steel	6 524	10 119	3 595	-240	10 045	-2,4
Casting of non-ferrous metals	448	654	206	21	656	3,2
Manufacture of structural metal products	22 675	29 418	6 743	688	29 570	2,3
Manufacture of tanks, reservoirs and similar containers of metal	1 261	1 794	533	70	1 785	3,9
Manufacture of steam generators, except central heating water boilers	456	735	279	22	729	3,0
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	1 128	1 542	414	-37	1 538	-2,4
Treatment and coating of metals; general mechanical engineering	9 034	14 246	5 212	716	14 559	4,9
Manufacture of cutlery, hand tools and general hardware	2 382	3 627	1 245	165	3 909	4,2
Manufacture of other fabricated metal products	34 092	45 185	11 093	885	39 606	2,2
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	739	1 263	524	116	1 298	8,9
Manufacture of pumps, compressors, taps and valves	6 357	9 751	3 394	469	10 042	4,7
Manufacture of bearings, gears, gearing and driving elements	1 367	2 082	715	185	2 079	8,9
Manufacture of ovens, furnaces and furnace burners	384	543	159	49	550	8,9
Manufacture of lifting and handling equipment	3 363	5 586	2 223	342	5 611	6,1
Manufacture of other general purpose machinery	13 399	19 117	5 718	1 414	19 449	7,3
Manufacture of agricultural and forestry machinery	1 970	2 788	818	231	2 831	8,2
Manufacture of machine tools	1 135	1 807	672	63	1 898	3,3
Manufacture of machinery for mining, quarrying, construction and metallurgy	14 812	21 943	7 131	1 886	23 028	8,2
Manufacture of machinery for food, beverage and tobacco processing	2 065	2 590	525	91	2 731	3,3
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	8 566	14 507	5 941	1 084	14 199	7,6

**Table 2 – Intermediate consumption, output, value added and profit margin in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Intermediate consumption	Output	Value added	Net profit after tax	Turnover	Profit margin
	R million					%
Manufacture of household appliances	3 888	5 566	1 678	471	6 186	7,6
Manufacture of office, accounting and computing machinery	1 651	2 750	1 099	195	4 314	4,5
<b>Division 36 - Electrical machinery and apparatus</b>	<b>30 720</b>	<b>45 473</b>	<b>14 753</b>	<b>3 265</b>	<b>47 800</b>	<b>6,8</b>
Manufacture of electric motors, generators and transformers	7 809	12 575	4 766	744	13 616	5,5
Manufacture of electricity distribution and control apparatus	6 340	9 576	3 236	1 203	9 872	12,2
Manufacture of insulated wire and cable	7 537	9 148	1 611	474	9 193	5,2
Manufacture of accumulators, primary cells and batteries and lighting equipment	3 062	4 699	1 637	344	4 731	7,3
Manufacture of other electrical equipment	5 972	9 475	3 503	500	10 388	4,8
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>8 678</b>	<b>13 128</b>	<b>4 450</b>	<b>445</b>	<b>13 545</b>	<b>3,3</b>
Manufacture of electronic valves and tubes and other electronic components	729	1 125	396	24	1 147	2,1
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	3 579	4 999	1 420	78	5 171	1,5
Manufacture of medical and surgical equipment and orthopaedic appliances	1 436	2 425	989	120	2 512	4,8
Manufacture of instruments and appliances for measuring, testing and navigating	2 123	3 360	1 237	182	3 493	5,2
Manufacture of industrial process control equipment	134	226	92	14	228	6,1
Manufacture of watches and clocks, optical instruments and photographic equipment	677	993	316	27	994	2,7
<b>Division 38 - Transport equipment</b>	<b>160 162</b>	<b>206 404</b>	<b>46 242</b>	<b>12 435</b>	<b>236 511</b>	<b>5,3</b>
Manufacture of motor vehicles	95 465	121 994	26 529	9 934	151 912	6,5
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	9 067	12 027	2 960	423	12 358	3,4
Manufacture of parts for motor vehicles and their engines	38 660	46 123	7 463	1 056	46 245	2,3
Building and repairing of ships	702	989	287	-19	987	-1,9
Building and repairing of pleasure and sporting boats	443	589	146	-44	618	-7,1
Manufacture of railway and tramway locomotives and rolling stock	11 193	17 523	6 330	1 213	17 487	6,9
Manufacture of aircraft	3 925	6 200	2 275	-65	5 957	-1,1
Manufacture of other transport equipment	707	959	252	-63	947	-6,7
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>36 886</b>	<b>54 880</b>	<b>17 994</b>	<b>4 670</b>	<b>54 367</b>	<b>8,6</b>
Manufacture of furniture	8 792	13 010	4 218	524	13 249	4,0
Manufacture of jewellery and related articles	5 465	6 838	1 373	175	6 761	2,6
Manufacture of musical instruments, sports goods, games and toys	502	815	313	43	787	5,5
Other manufacturing, including manufacturing of tobacco and tobacco products	12 692	23 122	10 430	3 642	22 530	16,2
Recycling of waste and scrap	9 435	11 095	1 660	286	11 040	2,6
<b>Total</b>	<b>1 169 210</b>	<b>1 569 168</b>	<b>399 958</b>	<b>159 954</b>	<b>3 200 412</b>	<b>5,0</b>

**Table 3 – Income in the manufacturing industry, 2011**

Type of manufacture	Sales of own manufactured goods	Other sales of goods	Services rendered	Sundry trading income	Interest received	Other income	Total income
	R million						
<b>Division 30 - Food products and beverages</b>	<b>249 629</b>	<b>12 381</b>	<b>4 974</b>	<b>126</b>	<b>1 244</b>	<b>19 438</b>	<b>287 792</b>
Production, processing and preserving of meat and meat products	27 581	435	365	5	76	274	28 736
Processing and preserving of fish and fish products	2 358	147	58	4	22	30	2 619
Processing and preserving of fruit and vegetables	10 703	133	32	13	25	319	11 225
Manufacture of vegetable and animal oils and fats	19 402	111	181	11	51	168	19 924
Manufacture of dairy products	21 057	487	712	5	46	660	22 967
Manufacture of grain mill products, starches and starch products	33 365	924	148	4	423	467	35 331
Manufacture of prepared animal feeds	12 182	356	47	7	40	4 510	17 142
Manufacture of bakery products	17 328	212	2	4	62	333	17 941
Manufacture of sugar, cocoa, chocolate and sugar confectionery	22 096	93	126	2	122	1 119	23 558
Manufacture of other food products	25 598	3 139	2 821	7	106	488	32 159
Manufacture of alcoholic and non-alcoholic beverages	57 959	6 344	482	64	271	11 070	76 190
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>39 803</b>	<b>3 442</b>	<b>1 416</b>	<b>62</b>	<b>223</b>	<b>1 565</b>	<b>46 511</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	4 143	107	82	3	18	144	4 497
Manufacture of made-up textile articles, except apparel	6 904	266	292	15	53	201	7 731
Manufacture of carpets, rugs and mats	1 419	0	4	0	9	43	1 475
Manufacture of cordage, rope, twine and netting	347	0	0	1	3	6	357
Manufacture of other textiles	3 496	137	250	6	29	222	4 140
Manufacture of knitted and crocheted fabrics and articles	1 752	27	6	0	13	49	1 847
Manufacture of wearing apparel, except fur apparel	14 890	2 365	593	34	70	440	18 392
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	2 877	0	41	1	11	81	3 011
Manufacture of luggage, handbags and the like, saddlery and harness	715	75	26	1	6	6	829
Manufacture of footwear	3 260	465	122	1	11	373	4 232

**Table 3 – Income in the manufacturing industry, 2011 (continued)**

Type of manufacture	Sales of own manufactured goods	Other sales of goods	Services rendered	Sundry trading income	Interest received	Other income	Total income
	R million						
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>84 558</b>	<b>3 894</b>	<b>1 326</b>	<b>10 848</b>	<b>658</b>	<b>3 070</b>	<b>104 354</b>
Sawmilling and planing of wood	6 797	127	18	15	17	117	7 091
Manufacture of veneer sheets, plywood and other boards	3 929	233	13	1	98	368	4 642
Manufacture of builders' carpentry and joinery	3 404	100	81	1	17	62	3 665
Manufacture of wooden containers	1 280	17	14	0	7	4	1 322
Manufacture of other products of wood, articles of cork, straw and plaiting materials	2 993	89	54	1	13	47	3 197
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	16 537	655	20	26	63	314	17 615
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	22 602	1 590	17	2	142	1 059	25 412
Publishing of books, brochures, musical books and other publications	4 039	208	32	1 571	26	277	6 153
Publishing of newspapers, journals and periodicals	4 330	5	117	9 105	168	469	14 194
Publishing of recorded media and other publishing	464	0	58	11	3	12	548
Printing	15 783	861	569	110	102	289	17 714
Service activities related to printing and reproduction of recorded media	2 400	9	333	5	2	52	2 801
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>427 280</b>	<b>18 612</b>	<b>29 001</b>	<b>412</b>	<b>1 890</b>	<b>7 422</b>	<b>484 617</b>
Manufacture of coke oven products	2 710	0	76	56	6	62	2 910
Manufacture of petrol, fuel oils and other petroleum products	244 363	5 035	22 667	50	464	4 176	276 755
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	28 479	2 027	822	9	412	522	32 271
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	34 806	2 871	204	54	158	757	38 850
Manufacture of pesticides and other agro-chemical products	2 050	0	0	0	4	22	2 076
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	12 182	232	118	7	63	275	12 877
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	15 303	2 842	1 373	6	250	301	20 075
Manufacture of soap and detergents, perfumes and toilet preparations	28 461	1 704	2 592	114	160	209	33 240
Manufacture of other chemical products	12 429	1 155	895	6	100	173	14 758
Manufacture of man-made fibres and of other rubber products	8 146	1 902	41	10	34	140	10 273
Manufacture of rubber tyres and tubes and retreading of tyres	3 827	60	58	2	15	84	4 046
Manufacture of plastic products	34 524	784	155	98	224	701	36 486



**Table 3 – Income in the manufacturing industry, 2011 (continued)**

Type of manufacture	Sales of own manufactured goods	Other sales of goods	Services rendered	Sundry trading income	Interest received	Other income	Total income
	R million						
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>48 242</b>	<b>673</b>	<b>693</b>	<b>1 365</b>	<b>348</b>	<b>2 287</b>	<b>53 608</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	10 572	213	62	70	171	1 499	12 587
Manufacture of refractory ceramic products	3 591	78	102	0	46	67	3 884
Manufacture of structural non-refractory clay and ceramic products	3 528	66	140	31	22	279	4 066
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	26 448	120	331	1 210	98	305	28 512
Cutting and shaping of stone	497	53	1	1	4	40	596
Manufacture of other non-metallic mineral products	3 606	143	57	53	7	97	3 963
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>284 113</b>	<b>10 860</b>	<b>24 270</b>	<b>5 526</b>	<b>3 158</b>	<b>8 679</b>	<b>336 606</b>
Manufacture of basic iron and steel and of primary iron and steel products	65 836	135	1 483	58	267	1 329	69 108
Manufacture of basic precious and non-ferrous metals	55 235	196	953	207	1 678	538	58 807
Casting of iron and steel	10 020	17	4	16	14	247	10 318
Casting of non-ferrous metals	653	0	0	0	2	7	662
Manufacture of structural metal products	27 085	825	1 439	20	220	881	30 470
Manufacture of tanks, reservoirs and similar containers of metal	1 742	5	33	1	11	17	1 809
Manufacture of steam generators, except central heating water boilers	571	5	152	0	4	12	744
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	1 519	0	13	4	3	20	1 559
Treatment and coating of metals; general mechanical engineering	6 477	286	7 692	11	109	260	14 835
Manufacture of cutlery, hand tools and general hardware	3 290	427	175	6	17	34	3 949
Manufacture of other fabricated metal products	38 044	363	728	5 051	136	1 782	46 104
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	998	45	255	1	11	9	1 319
Manufacture of pumps, compressors, taps and valves	7 465	957	1 571	6	48	158	10 205
Manufacture of bearings, gears, gearing and driving elements	1 758	43	260	1	21	55	2 138
Manufacture of ovens, furnaces and furnace burners	508	22	19	0	5	6	560
Manufacture of lifting and handling equipment	4 351	114	1 122	1	72	96	5 756
Manufacture of other general purpose machinery	15 436	676	3 331	9	227	407	20 086
Manufacture of agricultural and forestry machinery	2 469	100	260	14	21	65	2 929
Manufacture of machine tools	1 602	123	170	9	5	21	1 930
Manufacture of machinery for mining, quarrying, construction and metallurgy	18 101	2 074	2 835	15	107	760	23 892
Manufacture of machinery for food, beverage and tobacco processing	2 046	404	153	2	21	310	2 936
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	12 053	701	1 356	87	105	1 194	15 496



**Table 3 – Income in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Sales of own manufactured goods	Other sales of goods	Services rendered	Sundry trading income	Interest received	Other income	Total income
	R million						
Manufacture of household appliances	5 065	1 018	81	7	26	83	6 280
Manufacture of office, accounting and computing machinery	1 789	2 324	185	0	28	388	4 714
<b>Division 36 - Electrical machinery and apparatus</b>	<b>39 844</b>	<b>3 070</b>	<b>4 855</b>	<b>45</b>	<b>313</b>	<b>724</b>	<b>48 851</b>
Manufacture of electric motors, generators and transformers	9 959	1 310	2 342	19	103	211	13 944
Manufacture of electricity distribution and control apparatus	7 387	469	2 007	1	45	195	10 104
Manufacture of insulated wire and cable	9 073	85	30	2	58	107	9 355
Manufacture of accumulators, primary cells and batteries and lighting equipment	4 575	129	22	0	52	88	4 866
Manufacture of other electrical equipment	8 850	1 077	454	23	55	123	10 582
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>11 256</b>	<b>760</b>	<b>1 483</b>	<b>4</b>	<b>76</b>	<b>698</b>	<b>14 277</b>
Manufacture of electronic valves and tubes and other electronic components	978	72	97	0	7	6	1 160
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	4 084	253	833	2	19	282	5 473
Manufacture of medical and surgical equipment and orthopaedic appliances	2 308	149	38	0	16	106	2 617
Manufacture of instruments and appliances for measuring, testing and navigating	2 829	270	392	1	18	211	3 721
Manufacture of industrial process control equipment	215	11	2	1	3	3	235
Manufacture of watches and clocks, optical instruments and photographic equipment	842	5	121	0	13	90	1 071
<b>Division 38 - Transport equipment</b>	<b>163 912</b>	<b>56 922</b>	<b>15 439</b>	<b>901</b>	<b>2 583</b>	<b>5 592</b>	<b>245 349</b>
Manufacture of motor vehicles	94 876	55 088	1 796	735	2 147	3 827	158 469
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	11 526	485	309	18	42	282	12 662
Manufacture of parts for motor vehicles and their engines	43 833	694	1 690	93	261	920	47 491
Building and repairing of ships	199	0	783	1	8	17	1 008
Building and repairing of pleasure and sporting boats	592	1	25	0	3	34	655
Manufacture of railway and tramway locomotives and rolling stock	11 495	561	5 429	40	106	203	17 834
Manufacture of aircraft	723	91	5 131	3	15	285	6 248
Manufacture of other transport equipment	668	2	276	11	1	24	982
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>52 238</b>	<b>1 012</b>	<b>1 075</b>	<b>61</b>	<b>302</b>	<b>1 583</b>	<b>56 271</b>
Manufacture of furniture	12 722	225	289	9	80	196	13 521
Manufacture of jewellery and related articles	6 672	78	11	21	44	76	6 902
Manufacture of musical instruments, sports goods, games and toys	618	145	21	5	3	60	852
Other manufacturing, including manufacturing of tobacco and tobacco products	21 726	516	265	6	118	957	23 588
Recycling of waste and scrap	10 500	48	489	20	57	294	11 408
<b>Total</b>	<b>1 400 875</b>	<b>111 626</b>	<b>84 532</b>	<b>19 350</b>	<b>10 795</b>	<b>51 058</b>	<b>1 678 236</b>

**Table 4 – Income by enterprise size in the manufacturing industry, 2011**

Type of manufacture	Large enterprises	Medium enterprises	Small enterprises	Micro enterprises	Total income
	R million				
Division 30 - Food products and beverages	254 100	21 518	6 719	5 455	<b>287 792</b>
Division 31 - Textiles, clothing, leather and footwear	22 457	14 238	4 526	5 290	<b>46 511</b>
Division 32 - Wood, wood products, paper, publishing and printing	71 156	16 483	7 871	8 844	<b>104 354</b>
Division 33 - Coke, petroleum, chemical products, rubber and plastic	437 434	30 930	9 696	6 557	<b>484 617</b>
Division 34 - Glass and other non-metallic mineral products	40 608	7 066	3 222	2 712	<b>53 608</b>
Division 35 - Metals, metal products, machinery and equipment	237 936	43 715	25 521	29 434	<b>336 606</b>
Division 36 - Electrical machinery and apparatus	36 946	7 685	2 628	1 592	<b>48 851</b>
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	7 712	3 823	1 721	1 021	<b>14 277</b>
Division 38 - Transport equipment	226 069	10 059	4 050	5 171	<b>245 349</b>
Division 39 - Furniture, tobacco, other manufacturing and recycling	34 976	7 000	5 527	8 768	<b>56 271</b>
<b>Total</b>	<b>1 369 394</b>	<b>162 517</b>	<b>71 481</b>	<b>74 844</b>	<b>1 678 236</b>

**Table 5 – Concentration ratios for total income in the manufacturing industry, 2011**

Type of manufacture	Total income	Income of 5 largest enterprises	Relative contribution of 5 largest enterprises	Income of 10 largest enterprises	Relative contribution of 10 largest enterprises	Income of 20 largest enterprises	Relative contribution of 20 largest enterprises
	R million	R million	%	R million	%	R million	%
<b>Division 30 - Food products and beverages</b>	<b>287 793</b>	<b>83 965</b>	<b>29</b>	<b>116 617</b>	<b>41</b>	<b>158 708</b>	<b>55</b>
Production, processing and preserving of meat and meat products	28 736	6 551	23	9 600	33	13 398	47
Processing and preserving of fish and fish products	2 619	2 029	77	2 276	87	2 394	91
Processing and preserving of fruit and vegetables	11 225	4 379	39	5 985	53	7 836	70
Manufacture of vegetable and animal oils and fats	19 924	15 164	76	18 220	91	19 794	99
Manufacture of dairy products	22 967	15 193	66	17 203	75	19 517	85
Manufacture of grain mill products, starches and starch products	35 331	26 612	75	29 371	83	31 890	90
Manufacture of prepared animal feeds	17 142	10 736	63	12 200	71	14 047	82
Manufacture of bakery products	17 941	13 429	75	14 251	79	15 292	85
Manufacture of sugar, cocoa, chocolate and sugar confectionery	23 558	20 490	87	22 553	96	23 155	98
Manufacture of other food products	32 159	18 233	57	20 844	65	23 651	74
Manufacture of alcoholic and non-alcoholic beverages	76 190	58 690	77	64 132	84	67 846	89
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>46 511</b>	<b>5 993</b>	<b>13</b>	<b>8 476</b>	<b>18</b>	<b>11 862</b>	<b>26</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	4 497	1 619	36	2 397	53	3 216	72
Manufacture of made-up textile articles, except apparel	7 731	2 778	36	3 885	50	5 065	66
Manufacture of carpets, rugs and mats	1 475	1 130	77	1 296	88	1 300	88
Manufacture of cordage, rope, twine and netting	357	207	58	256	72	265	74
Manufacture of other textiles	4 140	933	23	1 454	35	2 145	52
Manufacture of knitted and crocheted fabrics and articles	1 847	538	29	946	51	1 346	73
Manufacture of wearing apparel, except fur apparel	18 392	4 154	23	5 453	30	7 260	39
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	3 011	1 931	64	2 431	81	2 662	88
Manufacture of luggage, handbags and the like, saddlery and harness	829	180	22	269	32	330	40
Manufacture of footwear	4 232	1 746	41	2 319	55	2 956	70

<sup>1</sup> These figures reflect the income of the 5 (respectively 10 and 20) largest enterprises, and not the division totals.

**Table 5 – Concentration ratios for total income in the manufacturing industry, 2011 (continued)**

Type of manufacture	Total income	Income of 5 largest enterprises	Relative contribution of 5 largest enterprises	Income of 10 largest enterprises	Relative contribution of 10 largest enterprises	Income of 20 largest enterprises	Relative contribution of 20 largest enterprises
	R million	R million	%	R million	%	R million	%
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>104 354</b>	<b>27 349</b>	<b>26</b>	<b>36 507</b>	<b>35</b>	<b>45 412</b>	<b>44</b>
Sawmilling and planing of wood	7 091	2 517	35	3 623	51	4 602	65
Manufacture of veneer sheets, plywood and other boards	4 642	4 071	88	4 314	93	4 452	96
Manufacture of builders' carpentry and joinery	3 665	1 347	37	1 609	44	1 967	54
Manufacture of wooden containers	1 322	400	30	588	44	817	62
Manufacture of other products of wood, articles of cork, straw and plaiting materials	3 197	329	10	526	16	793	25
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	17 615	9 370	53	11 434	65	13 591	77
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	25 412	16 539	65	18 524	73	20 076	79
Publishing of books, brochures, musical books and other publications	6 153	2 992	49	4 118	67	4 958	81
Publishing of newspapers, journals and periodicals	14 194	8 933	63	10 243	72	11 029	78
Publishing of recorded media and other publishing	548	277	51	324	59	329	60
Printing	17 714	5 731	32	7 901	45	9 796	55
Service activities related to printing and reproduction of recorded media	2 801	2 373	85	2 520	90	2 598	93

<sup>1</sup> These figures reflect the income of the 5 (respectively 10 and 20) largest enterprises, and not the division totals.

**Table 5 – Concentration ratios for total income in the manufacturing industry, 2011 (continued)**

Type of manufacture	Total income	Income of 5 largest enterprises	Relative contribution of 5 largest enterprises	Income of 10 largest enterprises	Relative contribution of 10 largest enterprises	Income of 20 largest enterprises	Relative contribution of 20 largest enterprises
	R million	R million	%	R million	%	R million	%
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>484 617</b>	<b>225 531</b>	<b>47</b>	<b>298 335</b>	<b>62</b>	<b>338 421</b>	<b>70</b>
Manufacture of coke oven products	2 910	2 097	72	2 760	95	2 899	100
Manufacture of petrol, fuel oils and other petroleum products	276 755	225 531	81	270 427	98	272 271	98
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	32 271	20 640	64	24 597	76	28 653	89
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	38 850	29 291	75	33 244	86	35 547	91
Manufacture of pesticides and other agro-chemical products	2 076	1 360	66	1 618	78	1 689	81
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	12 877	4 263	33	5 817	45	7 777	60
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	20 075	12 637	63	14 321	71	16 302	81
Manufacture of soap and detergents, perfumes and toilet preparations	33 240	16 120	48	21 624	65	26 505	80
Manufacture of other chemical products	14 758	6 882	47	9 128	62	11 346	77
Manufacture of man-made fibres and of other rubber products	10 273	8 915	87	9 582	93	9 727	95
Manufacture of rubber tyres and tubes and retreading of tyres	4 046	1 396	35	1 940	48	2 637	65
Manufacture of plastic products	36 486	4 698	13	7 227	20	10 950	30
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>53 608</b>	<b>24 513</b>	<b>46</b>	<b>30 348</b>	<b>57</b>	<b>34 934</b>	<b>65</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	12 587	9 935	79	10 400	83	10 735	85
Manufacture of refractory ceramic products	3 884	2 352	61	2 835	73	3 103	80
Manufacture of structural non-refractory clay and ceramic products	4 066	2 131	52	2 472	61	2 987	73
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	28 512	18 211	64	19 951	70	21 963	77
Cutting and shaping of stone	596	274	46	364	61	408	68
Manufacture of other non-metallic mineral products	3 963	2 576	65	3 110	78	3 599	91

<sup>1</sup>These figures reflect the income of the 5 (respectively 10 and 20) largest enterprises, and not the division totals.

**Table 5 – Concentration ratios for total income in the manufacturing industry, 2011 (continued)**

Type of manufacture	Total income	Income of 5 largest enterprises	Relative contribution of 5 largest enterprises	Income of 10 largest enterprises	Relative contribution of 10 largest enterprises	Income of 20 largest enterprises	Relative contribution of 20 largest enterprises
	R million	R million	%	R million	%	R million	%
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>336 604</b>	<b>76 055</b>	<b>23</b>	<b>105 887</b>	<b>31</b>	<b>131 853</b>	<b>39</b>
Manufacture of basic iron and steel and of primary iron and steel products	69 108	44 938	65	53 268	77	59 376	86
Manufacture of basic precious and non-ferrous metals	58 807	39 674	67	46 506	79	52 072	89
Casting of iron and steel	10 318	8 125	79	9 065	88	9 774	95
Casting of non-ferrous metals	662	360	54	552	83	624	94
Manufacture of structural metal products	30 470	5 268	17	7 718	25	10 998	36
Manufacture of tanks, reservoirs and similar containers of metal	1 809	672	37	1 035	57	1 378	76
Manufacture of steam generators, except central heating water boilers	744	290	39	397	53	453	61
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	1 559	930	60	1 271	82	1 503	96
Treatment and coating of metals; general mechanical engineering	14 835	1 088	7	1 544	10	2 197	15
Manufacture of cutlery, hand tools and general hardware	3 949	1 627	41	2 211	56	2 643	67
Manufacture of other fabricated metal products	46 104	25 478	55	27 713	60	30 525	66
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 319	649	49	897	68	1 055	80
Manufacture of pumps, compressors, taps and valves	10 205	3 319	33	4 378	43	5 526	54
Manufacture of bearings, gears, gearing and driving elements	2 138	985	46	1 348	63	1 800	84
Manufacture of ovens, furnaces and furnace burners	560	391	70	455	81	458	82
Manufacture of lifting and handling equipment	5 756	1 382	24	1 987	35	2 677	47
Manufacture of other general purpose machinery	20 086	4 925	25	6 813	34	8 765	44
Manufacture of agricultural and forestry machinery	2 929	665	23	884	30	1 173	40
Manufacture of machine tools	1 930	636	33	887	46	1 169	61
Manufacture of machinery for mining, quarrying, construction and metallurgy	23 892	8 526	36	10 964	46	13 749	58
Manufacture of machinery for food, beverage and tobacco processing	2 936	2 040	69	2 331	79	2 595	88
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	15 496	8 038	52	8 413	54	8 891	57

<sup>1</sup> These figures reflect the income of the 5 (respectively 10 and 20) largest enterprises, and not the division totals.

**Table 5 – Concentration ratios for total income in the manufacturing industry, 2011 (continued)**

Type of manufacture	Total income	Income of 5 largest enterprises	Relative contribution of 5 largest enterprises	Income of 10 largest enterprises	Relative contribution of 10 largest enterprises	Income of 20 largest enterprises	Relative contribution of 20 largest enterprises
	R million	R million	%	R million	%	R million	%
Manufacture of household appliances	6 280	4 961	79	5 747	92	6 035	96
Manufacture of office, accounting and computing machinery	4 714	3 735	79	3 871	82	**	**
<b>Division 36 - Electrical machinery and apparatus</b>	<b>48 851</b>	<b>14 438</b>	<b>30</b>	<b>20 885</b>	<b>43</b>	<b>28 555</b>	<b>58</b>
Manufacture of electric motors, generators and transformers	13 944	10 046	72	11 028	79	12 072	87
Manufacture of electricity distribution and control apparatus	10 104	6 625	66	7 477	74	8 182	81
Manufacture of insulated wire and cable	9 355	6 848	73	7 931	85	8 837	94
Manufacture of accumulators, primary cells and batteries and lighting equipment	4 866	3 093	64	3 619	74	4 209	86
Manufacture of other electrical equipment	10 582	3 639	34	4 892	46	6 440	61
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>14 278</b>	<b>3 823</b>	<b>27</b>	<b>5 453</b>	<b>38</b>	<b>7 427</b>	<b>52</b>
Manufacture of electronic valves and tubes and other electronic components	1 160	486	42	736	63	865	75
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	5 473	3 650	67	4 516	83	4 954	91
Manufacture of medical and surgical equipment and orthopaedic appliances	2 617	667	25	812	31	980	37
Manufacture of instruments and appliances for measuring, testing and navigating	3 721	1 526	41	2 295	62	2 820	76
Manufacture of industrial process control equipment	235	158	67	161	69	**	**
Manufacture of watches and clocks, optical instruments and photographic equipment	1 071	686	64	725	68	**	**

<sup>1</sup>These figures reflect the income of the 5 (respectively 10 and 20) largest enterprises, and not the division totals.

\*\*Income for the group is based on ten or less enterprises.

**Table 5 – Concentration ratios for total income in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Total income	Income of 5 largest enterprises	Relative contribution of 5 largest enterprises	Income of 10 largest enterprises	Relative contribution of 10 largest enterprises	Income of 20 largest enterprises	Relative contribution of 20 largest enterprises
	R million	R million	%	R million	%	R million	%
<b>Division 38 - Transport equipment</b>	<b>245 349</b>	<b>127 006</b>	<b>52</b>	<b>162 995</b>	<b>66</b>	<b>186 802</b>	<b>76</b>
Manufacture of motor vehicles	158 469	127 006	80	152 062	96	154 568	98
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	12 662	4 688	37	7 210	57	8 986	71
Manufacture of parts for motor vehicles and their engines	47 491	15 735	33	23 862	50	32 433	68
Building and repairing of ships	1 008	611	61	746	74	840	83
Building and repairing of pleasure and sporting boats	655	506	77	571	87	586	89
Manufacture of railway and tramway locomotives and rolling stock	17 834	14 874	83	16 453	92	17 429	98
Manufacture of aircraft	6 248	4 410	71	4 982	80	5 185	83
Manufacture of other transport equipment	982	252	26	316**	32	**	**
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>56 271</b>	<b>11 704</b>	<b>21</b>	<b>13 809</b>	<b>25</b>	<b>16 449</b>	<b>29</b>
Manufacture of furniture	13 521	3 335	25	4 049	30	5 080	38
Manufacture of jewellery and related articles	6 902	2 746	40	3 895	56	5 246	76
Manufacture of musical instruments, sports goods, games and toys	852	271	32	322	38	379	44
Other manufacturing, including manufacturing of tobacco and tobacco products	23 588	12 947	55	14 244	60	15 404	65
Recycling of waste and scrap	11 408	8 791	77	9 709	85	10 557	93
<b>All enterprises</b>	<b>1 678 238</b>	<b>230 362<sup>1</sup></b>	<b>14</b>	<b>383 981<sup>1</sup></b>	<b>23</b>	<b>536 271<sup>1</sup></b>	<b>32</b>

<sup>1</sup>These figures reflect the income of the 5 (respectively 10 and 20) largest enterprises, and not the division totals.

\*\*Income for the group is based on ten or less enterprises.



**Table 6 – Expenditure in the manufacturing industry, 2011 (Part I)**

Type of manufacture	Purchases	Salaries and wages	Depreciation	Railage and transport out	Containers and packaging	Interest paid	Payments to sub-contractors
R million							
<b>Division 30 - Food products and beverages</b>	<b>151 975</b>	<b>28 104</b>	<b>5 729</b>	<b>8 761</b>	<b>16 570</b>	<b>4 338</b>	<b>1 525</b>
Production, processing and preserving of meat and meat products	21 964	1 865	363	262	906	431	248
Processing and preserving of fish and fish products	1 352	428	79	60	151	21	2
Processing and preserving of fruit and vegetables	6 337	1 253	277	405	1 070	258	55
Manufacture of vegetable and animal oils and fats	14 810	903	215	662	1 158	159	103
Manufacture of dairy products	10 903	2 659	378	987	2 413	257	195
Manufacture of grain mill products, starches and starch products	23 968	3 376	579	1 304	1 450	746	30
Manufacture of prepared animal feeds	9 134	1 158	207	352	256	105	101
Manufacture of bakery products	9 823	2 399	312	645	546	262	12
Manufacture of sugar, cocoa, chocolate and sugar confectionery	12 521	2 750	523	458	997	581	136
Manufacture of other food products	13 324	3 882	666	1 100	2 331	649	469
Manufacture of alcoholic and non-alcoholic beverages	27 839	7 431	2 130	2 526	5 292	869	174
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>26 196</b>	<b>8 595</b>	<b>825</b>	<b>882</b>	<b>331</b>	<b>668</b>	<b>2 809</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	2 780	688	145	66	35	138	46
Manufacture of made-up textile articles, except apparel	4 600	1 163	133	53	49	124	278
Manufacture of carpets, rugs and mats	724	281	42	29	16	20	0
Manufacture of cordage, rope, twine and netting	176	65	12	8	3	1	2
Manufacture of other textiles	2 185	779	110	80	27	38	18
Manufacture of knitted and crocheted fabrics and articles	1 045	356	54	26	23	20	38
Manufacture of wearing apparel, except fur apparel	10 150	3 705	202	482	89	259	2 343
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	2 041	443	42	50	33	32	56
Manufacture of luggage, handbags and the like, saddlery and harness	481	164	31	6	6	9	0
Manufacture of footwear	2 014	951	54	82	50	27	28

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part I) (continued)**

Type of manufacture	Purchases	Salaries and wages	Depreciation	Railage and transport out	Containers and packaging	Interest paid	Payments to sub-contractors
	R million						
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>47 668</b>	<b>18 110</b>	<b>3 724</b>	<b>3 080</b>	<b>633</b>	<b>2 148</b>	<b>7 506</b>
Sawmilling and planing of wood	4 220	1 088	207	167	29	85	37
Manufacture of veneer sheets, plywood and other boards	2 013	708	166	363	37	302	86
Manufacture of builders' carpentry and joinery	2 018	764	73	48	2	19	63
Manufacture of wooden containers	898	171	17	17	4	6	1
Manufacture of other products of wood, articles of cork, straw and plaiting materials	1 743	672	78	28	6	51	18
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	11 628	2 196	599	276	98	660	41
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	13 518	3 100	1 210	1 185	347	548	287
Publishing of books, brochures, musical books and other publications	546	1 080	61	126	12	39	1 669
Publishing of newspapers, journals and periodicals	1 591	3 741	215	619	24	273	5 020
Publishing of recorded media and other publishing	309	98	22	1	1	7	26
Printing	8 608	3 690	988	190	65	145	167
Service activities related to printing and reproduction of recorded media	576	802	88	60	8	13	91
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>304 810</b>	<b>33 846</b>	<b>10 069</b>	<b>9 268</b>	<b>7 386</b>	<b>5 866</b>	<b>3 248</b>
Manufacture of coke oven products	1 615	180	54	95	18	22	6
Manufacture of petrol, fuel oils and other petroleum products	196 263	7 166	4 193	2 596	2 749	1 964	1 620
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	16 673	3 142	1 519	1 917	257	890	294
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	24 327	3 057	1 120	1 122	306	967	296
Manufacture of pesticides and other agro-chemical products	1 123	279	28	37	129	13	1
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	7 000	1 963	202	245	366	236	32
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	7 453	3 316	412	661	1 080	437	155
Manufacture of soap and detergents, perfumes and toilet preparations	14 070	3 607	534	1 215	2 009	216	479
Manufacture of other chemical products	6 987	2 674	399	315	239	360	39
Manufacture of man-made fibres and of other rubber products	6 520	1 754	243	233	3	141	34
Manufacture of rubber tyres and tubes and retreading of tyres	2 514	582	90	36	21	54	9
Manufacture of plastic products	20 265	6 126	1 275	796	209	566	283

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part I) (continued)**

Type of manufacture	Purchases	Salaries and wages	Depreciation	Railage and transport out	Containers and packaging	Interest paid	Payments to sub-contractors
R million							
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>23 181</b>	<b>7 432</b>	<b>2 483</b>	<b>2 844</b>	<b>1 490</b>	<b>4 843</b>	<b>490</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	4 320	2 133	706	509	263	999	79
Manufacture of refractory ceramic products	2 152	558	93	38	22	20	49
Manufacture of structural non-refractory clay and ceramic products	1 754	860	266	189	22	100	71
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	12 527	3 275	1 327	1 964	1 156	3 657	278
Cutting and shaping of stone	290	119	16	7	1	7	2
Manufacture of other non-metallic mineral products	2 138	487	75	137	26	60	11
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>203 105</b>	<b>48 947</b>	<b>7 714</b>	<b>4 366</b>	<b>660</b>	<b>5 105</b>	<b>6 453</b>
Manufacture of basic iron and steel and of primary iron and steel products	46 371	7 105	2 303	1 628	79	1 165	1 312
Manufacture of basic precious and non-ferrous metals	40 694	4 408	1 208	564	40	950	1 773
Casting of iron and steel	4 202	2 471	355	96	13	730	19
Casting of non-ferrous metals	349	129	15	2	6	3	4
Manufacture of structural metal products	18 701	4 205	541	204	18	580	1 259
Manufacture of tanks, reservoirs and similar containers of metal	943	417	26	9	1	13	54
Manufacture of steam generators, except central heating water boilers	340	228	26	12	0	3	4
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	961	269	55	3	3	44	43
Treatment and coating of metals; general mechanical engineering	7 144	3 521	424	37	7	115	313
Manufacture of cutlery, hand tools and general hardware	1 929	887	122	53	17	47	23
Manufacture of other fabricated metal products	28 124	6 993	970	843	207	597	117
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	694	317	32	1	1	13	0
Manufacture of pumps, compressors, taps and valves	5 584	2 070	196	57	21	101	15
Manufacture of bearings, gears, gearing and driving elements	1 170	423	50	6	3	13	26
Manufacture of ovens, furnaces and furnace burners	191	114	9	1	0	2	0
Manufacture of lifting and handling equipment	2 788	1 246	94	29	4	22	91
Manufacture of other general purpose machinery	11 145	3 430	293	133	17	107	586
Manufacture of agricultural and forestry machinery	1 618	477	58	22	3	17	30
Manufacture of machine tools	866	481	57	10	5	18	172

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part I) (continued)**

Type of manufacture	Purchases	Salaries and wages	Depreciation	Railage and transport out	Containers and packaging	Interest paid	Payments to sub-contractors
	R million						
Manufacture of machinery for mining, quarrying, construction and metallurgy	13 224	4 366	314	294	99	186	335
Manufacture of machinery for food, beverage and tobacco processing	1 834	358	23	52	5	14	3
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	7 098	3 646	386	141	107	232	222
Manufacture of household appliances	3 793	905	92	151	1	103	9
Manufacture of office, accounting and computing machinery	3 342	481	65	18	3	30	43
<b>Division 36 - Electrical machinery and apparatus</b>	<b>27 932</b>	<b>8 265</b>	<b>724</b>	<b>288</b>	<b>162</b>	<b>916</b>	<b>213</b>
Manufacture of electric motors, generators and transformers	7 914	2 450	152	54	16	654	19
Manufacture of electricity distribution and control apparatus	4 844	1 696	94	78	17	57	8
Manufacture of insulated wire and cable	6 898	1 055	144	40	80	28	21
Manufacture of accumulators, primary cells and batteries and lighting equipment	2 386	1 016	108	48	12	96	22
Manufacture of other electrical equipment	5 890	2 048	226	68	37	81	143
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>7 204</b>	<b>3 177</b>	<b>258</b>	<b>86</b>	<b>17</b>	<b>203</b>	<b>138</b>
Manufacture of electronic valves and tubes and other electronic components	579	294	27	3	1	9	28
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	3 010	1 101	73	14	4	93	21
Manufacture of medical and surgical equipment and orthopaedic appliances	1 285	572	90	31	8	46	11
Manufacture of instruments and appliances for measuring, testing and navigating	1 804	909	48	26	2	46	25
Manufacture of industrial process control equipment	103	66	2	0	0	3	5
Manufacture of watches and clocks, optical instruments and photographic equipment	423	235	18	12	2	6	48

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part I) (concluded)**

Type of manufacture	Purchases	Salaries and wages	Depreciation	Railage and transport out	Containers and packaging	Interest paid	Payments to sub-contractors
	R million						
<b>Division 38 - Transport equipment</b>	<b>165 195</b>	<b>20 884</b>	<b>5 695</b>	<b>1 581</b>	<b>607</b>	<b>3 027</b>	<b>1 061</b>
Manufacture of motor vehicles	108 462	7 332	3 954	736	506	2 184	70
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	8 510	1 790	187	73	6	140	39
Manufacture of parts for motor vehicles and their engines	35 035	4 362	1 097	507	82	314	59
Building and repairing of ships	514	249	26	0	0	7	4
Building and repairing of pleasure and sporting boats	386	194	21	7	0	9	0
Manufacture of railway and tramway locomotives and rolling stock	8 436	4 625	313	139	5	311	732
Manufacture of aircraft	3 252	2 086	82	112	4	48	153
Manufacture of other transport equipment	600	246	15	7	4	14	4
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>29 476</b>	<b>7 804</b>	<b>1 116</b>	<b>1 220</b>	<b>1 130</b>	<b>1 398</b>	<b>556</b>
Manufacture of furniture	6 656	2 904	339	455	78	192	118
Manufacture of jewellery and related articles	5 687	669	82	7	8	81	89
Manufacture of musical instruments, sports goods, games and toys	441	134	18	24	4	4	23
Other manufacturing, including manufacturing of tobacco and tobacco products	8 721	3 295	431	236	965	879	178
Recycling of waste and scrap	7 971	802	246	498	75	242	148
<b>Total</b>	<b>986 742</b>	<b>185 164</b>	<b>38 337</b>	<b>32 376</b>	<b>28 986</b>	<b>28 512</b>	<b>23 999</b>

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part II)**

Type of manufacture	Maintenance and repairs	Utilities and property tax	Rental of land and buildings	Advertising	Vehicle running costs
	R million				
<b>Division 30 - Food products and beverages</b>	<b>3 688</b>	<b>2 659</b>	<b>1 576</b>	<b>6 574</b>	<b>1 869</b>
Production, processing and preserving of meat and meat products	230	255	195	307	249
Processing and preserving of fish and fish products	106	53	20	31	17
Processing and preserving of fruit and vegetables	133	105	93	174	54
Manufacture of vegetable and animal oils and fats	172	81	51	53	48
Manufacture of dairy products	396	439	111	308	245
Manufacture of grain mill products, starches and starch products	226	260	154	336	166
Manufacture of prepared animal feeds	348	256	80	117	75
Manufacture of bakery products	247	200	151	234	204
Manufacture of sugar, cocoa, chocolate and sugar confectionery	464	341	92	442	91
Manufacture of other food products	241	289	298	1 133	213
Manufacture of alcoholic and non-alcoholic beverages	1 125	380	331	3 439	507
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>407</b>	<b>581</b>	<b>722</b>	<b>243</b>	<b>233</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	88	156	51	9	14
Manufacture of made-up textile articles, except apparel	50	55	127	63	43
Manufacture of carpets, rugs and mats	17	35	18	24	8
Manufacture of cordage, rope, twine and netting	6	5	6	0	2
Manufacture of other textiles	52	63	103	6	33
Manufacture of knitted and crocheted fabrics and articles	24	40	31	5	13
Manufacture of wearing apparel, except fur apparel	72	135	287	87	86
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	50	43	17	7	8
Manufacture of luggage, handbags and the like, saddlery and harness	10	9	16	4	8
Manufacture of footwear	38	40	66	38	18

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part II) (continued)**

Type of manufacture	Maintenance and repairs	Utilities and property tax	Rental of land and buildings	Advertising	Vehicle running costs
	R million				
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>2 123</b>	<b>1 549</b>	<b>1 509</b>	<b>938</b>	<b>676</b>
Sawmilling and planing of wood	231	117	74	6	137
Manufacture of veneer sheets, plywood and other boards	88	137	48	11	18
Manufacture of builders' carpentry and joinery	50	42	78	13	83
Manufacture of wooden containers	20	10	21	1	21
Manufacture of other products of wood, articles of cork, straw and plaiting materials	25	30	98	18	57
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	395	80	226	32	79
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	979	889	195	86	95
Publishing of books, brochures, musical books and other publications	20	51	82	166	31
Publishing of newspapers, journals and periodicals	39	18	189	286	46
Publishing of recorded media and other publishing	2	3	13	3	5
Printing	264	165	389	48	99
Service activities related to printing and reproduction of recorded media	10	7	96	268	5
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>5 899</b>	<b>7 389</b>	<b>2 709</b>	<b>3 372</b>	<b>1 323</b>
Manufacture of coke oven products	25	19	7	2	23
Manufacture of petrol, fuel oils and other petroleum products	2 635	2 890	629	266	223
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	800	2 095	107	40	159
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	947	834	186	44	155
Manufacture of pesticides and other agro-chemical products	18	7	28	7	8
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	110	81	227	182	151
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	171	127	203	743	44
Manufacture of soap and detergents, perfumes and toilet preparations	324	364	305	1 668	138
Manufacture of other chemical products	97	78	102	95	55
Manufacture of man-made fibres and of other rubber products	229	203	81	141	35
Manufacture of rubber tyres and tubes and retreading of tyres	40	64	57	13	29
Manufacture of plastic products	503	627	777	171	303
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>863</b>	<b>705</b>	<b>409</b>	<b>145</b>	<b>470</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	321	234	191	78	102
Manufacture of refractory ceramic products	33	30	36	3	28
Manufacture of structural non-refractory clay and ceramic products	136	97	11	11	118
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	248	256	121	47	180
Cutting and shaping of stone	15	8	27	1	12
Manufacture of other non-metallic mineral products	110	80	23	5	30

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part II) (continued)**

Type of manufacture	Maintenance and repairs	Utilities and property tax	Rental of land and buildings	Advertising	Vehicle running costs
	R million				
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>5 015</b>	<b>5 972</b>	<b>3 263</b>	<b>981</b>	<b>1 949</b>
Manufacture of basic iron and steel and of primary iron and steel products	1 349	2 610	487	83	117
Manufacture of basic precious and non-ferrous metals	581	958	145	341	60
Casting of iron and steel	809	590	45	6	19
Casting of non-ferrous metals	12	14	8	1	3
Manufacture of structural metal products	173	145	531	96	289
Manufacture of tanks, reservoirs and similar containers of metal	18	11	40	2	17
Manufacture of steam generators, except central heating water boilers	7	4	19	4	15
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	27	17	15	1	6
Treatment and coating of metals; general mechanical engineering	159	243	300	27	232
Manufacture of cutlery, hand tools and general hardware	73	60	72	27	43
Manufacture of other fabricated metal products	1 060	677	594	145	305
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	5	10	18	3	13
Manufacture of pumps, compressors, taps and valves	85	52	146	31	111
Manufacture of bearings, gears, gearing and driving elements	20	15	23	9	24
Manufacture of ovens, furnaces and furnace burners	5	5	15	2	6
Manufacture of lifting and handling equipment	33	24	84	22	75
Manufacture of other general purpose machinery	133	129	143	51	191
Manufacture of agricultural and forestry machinery	31	13	41	14	32
Manufacture of machine tools	14	22	19	6	15
Manufacture of machinery for mining, quarrying, construction and metallurgy	135	110	198	34	178
Manufacture of machinery for food, beverage and tobacco processing	17	6	25	6	20
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	203	190	209	26	126
Manufacture of household appliances	59	47	47	31	40
Manufacture of office, accounting and computing machinery	7	20	39	13	12



**Table 6 – Expenditure in the manufacturing industry, 2011 (Part II) (continued)**

Type of manufacture	Maintenance and repairs	Utilities and property tax	Rental of land and buildings	Advertising	Vehicle running costs
	R million				
<b>Division 36 - Electrical machinery and apparatus</b>	<b>410</b>	<b>371</b>	<b>497</b>	<b>129</b>	<b>292</b>
Manufacture of electric motors, generators and transformers	103	105	76	27	119
Manufacture of electricity distribution and control apparatus	23	51	152	16	45
Manufacture of insulated wire and cable	130	63	71	9	30
Manufacture of accumulators, primary cells and batteries and lighting equipment	66	53	67	38	34
Manufacture of other electrical equipment	88	99	131	39	64
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>70</b>	<b>54</b>	<b>232</b>	<b>102</b>	<b>71</b>
Manufacture of electronic valves and tubes and other electronic components	8	8	17	4	8
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	27	20	91	37	8
Manufacture of medical and surgical equipment and orthopaedic appliances	15	12	29	12	27
Manufacture of instruments and appliances for measuring, testing and navigating	14	11	61	39	20
Manufacture of industrial process control equipment	0	1	4	0	3
Manufacture of watches and clocks, optical instruments and photographic equipment	6	2	30	10	5
<b>Division 38 - Transport equipment</b>	<b>1 528</b>	<b>980</b>	<b>1 284</b>	<b>1 253</b>	<b>404</b>
Manufacture of motor vehicles	877	374	534	1 130	137
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	91	78	176	38	73
Manufacture of parts for motor vehicles and their engines	311	307	297	38	138
Building and repairing of ships	7	3	29	3	8
Building and repairing of pleasure and sporting boats	2	4	16	4	3
Manufacture of railway and tramway locomotives and rolling stock	168	167	106	28	16
Manufacture of aircraft	60	39	94	8	25
Manufacture of other transport equipment	12	8	32	4	4

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part II) (concluded)**

Type of manufacture	Maintenance and repairs	Utilities and property tax	Rental of land and buildings	Advertising	Vehicle running costs
	R million				
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>481</b>	<b>402</b>	<b>1 021</b>	<b>636</b>	<b>536</b>
Manufacture of furniture	128	155	522	140	184
Manufacture of jewellery and related articles	14	14	63	17	12
Manufacture of musical instruments, sports goods, games and toys	6	9	18	7	16
Other manufacturing, including manufacturing of tobacco and tobacco products	209	128	319	461	205
Recycling of waste and scrap	124	96	99	11	119
<b>Total</b>	<b>20 484</b>	<b>20 662</b>	<b>13 222</b>	<b>14 373</b>	<b>7 823</b>

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part III)**

Type of manufacture	Royalties	Insurance	Rental of plant, machinery and equipment	Other expenditure	Total expenditure
	R million				
<b>Division 30 - Food products and beverages</b>	<b>1 468</b>	<b>1 147</b>	<b>1 528</b>	<b>30 614</b>	<b>268 125</b>
Production, processing and preserving of meat and meat products	43	100	83	1 171	28 672
Processing and preserving of fish and fish products	28	21	6	154	2 529
Processing and preserving of fruit and vegetables	8	38	77	1 256	11 593
Manufacture of vegetable and animal oils and fats	2	23	44	511	18 995
Manufacture of dairy products	84	84	465	1 805	21 729
Manufacture of grain mill products, starches and starch products	158	189	72	1 399	34 413
Manufacture of prepared animal feeds	10	43	91	3 708	16 041
Manufacture of bakery products	85	129	207	1 172	16 628
Manufacture of sugar, cocoa, chocolate and sugar confectionery	131	159	137	1 898	21 721
Manufacture of other food products	578	181	102	3 482	28 938
Manufacture of alcoholic and non-alcoholic beverages	341	180	244	14 058	66 866
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>150</b>	<b>217</b>	<b>155</b>	<b>2 696</b>	<b>45 710</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	5	28	10	350	4 609
Manufacture of made-up textile articles, except apparel	2	32	17	695	7 484
Manufacture of carpets, rugs and mats	10	11	44	144	1 423
Manufacture of cordage, rope, twine and netting	0	2	0	23	311
Manufacture of other textiles	3	30	17	358	3 902
Manufacture of knitted and crocheted fabrics and articles	2	17	2	106	1 802
Manufacture of wearing apparel, except fur apparel	83	65	56	207	18 308
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	15	10	4	175	3 026
Manufacture of luggage, handbags and the like, saddlery and harness	2	6	3	43	798
Manufacture of footwear	28	16	2	595	4 047

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part III) (continued)**

Type of manufacture	Royalties	Insurance	Rental of plant, machinery and equipment	Other expenditure	Total expenditure
	R million				
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>520</b>	<b>500</b>	<b>422</b>	<b>8 126</b>	<b>99 232</b>
Sawmilling and planing of wood	1	48	25	385	6 857
Manufacture of veneer sheets, plywood and other boards	55	38	15	420	4 505
Manufacture of builders' carpentry and joinery	0	31	10	263	3 557
Manufacture of wooden containers	0	9	17	64	1 277
Manufacture of other products of wood, articles of cork, straw and plaiting materials	14	42	6	236	3 122
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	8	59	42	597	17 016
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	33	134	113	2 145	24 864
Publishing of books, brochures, musical books and other publications	267	12	30	799	4 991
Publishing of newspapers, journals and periodicals	26	22	37	1 298	13 444
Publishing of recorded media and other publishing	2	3	3	47	545
Printing	0	96	118	1 482	16 514
Service activities related to printing and reproduction of recorded media	114	6	6	390	2 540
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>1 914</b>	<b>1 254</b>	<b>1 206</b>	<b>54 488</b>	<b>454 047</b>
Manufacture of coke oven products	24	5	14	149	2 258
Manufacture of petrol, fuel oils and other petroleum products	39	415	400	37 569	261 617
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	82	150	282	2 153	30 560
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	26	147	44	4 379	37 957
Manufacture of pesticides and other agro-chemical products	3	6	4	125	1 816
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	117	66	69	1 190	12 237
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	608	46	50	1 598	17 104
Manufacture of soap and detergents, perfumes and toilet preparations	504	114	84	1 768	27 399
Manufacture of other chemical products	248	48	81	1 805	13 622
Manufacture of man-made fibres and of other rubber products	156	30	26	669	10 498
Manufacture of rubber tyres and tubes and retreading of tyres	31	24	32	310	3 906
Manufacture of plastic products	76	203	120	2 773	35 073

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part III) (continued)**

Type of manufacture	Royalties	Insurance	Rental of plant, machinery and equipment	Other expenditure	Total expenditure
	R million				
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>334</b>	<b>227</b>	<b>421</b>	<b>6 243</b>	<b>52 580</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	118	66	30	2 782	12 931
Manufacture of refractory ceramic products	56	28	21	406	3 573
Manufacture of structural non-refractory clay and ceramic products	5	31	16	490	4 177
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	133	76	318	2 122	27 685
Cutting and shaping of stone	0	7	7	71	590
Manufacture of other non-metallic mineral products	22	19	29	372	3 624
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>529</b>	<b>1 385</b>	<b>1 358</b>	<b>22 506</b>	<b>319 308</b>
Manufacture of basic iron and steel and of primary iron and steel products	29	249	290	3 730	68 907
Manufacture of basic precious and non-ferrous metals	8	114	38	2 965	54 847
Casting of iron and steel	0	38	51	1 094	10 538
Casting of non-ferrous metals	0	3	4	71	624
Manufacture of structural metal products	18	154	199	2 153	29 266
Manufacture of tanks, reservoirs and similar containers of metal	0	8	18	147	1 724
Manufacture of steam generators, except central heating water boilers	0	8	4	52	726
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	0	7	10	95	1 556
Treatment and coating of metals; general mechanical engineering	1	125	92	1 032	13 772
Manufacture of cutlery, hand tools and general hardware	31	25	19	288	3 716
Manufacture of other fabricated metal products	91	196	144	3 326	44 389
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	0	7	6	82	1 202
Manufacture of pumps, compressors, taps and valves	93	55	39	1 032	9 688
Manufacture of bearings, gears, gearing and driving elements	1	9	15	115	1 922
Manufacture of ovens, furnaces and furnace burners	0	4	0	85	439
Manufacture of lifting and handling equipment	6	37	46	417	5 018
Manufacture of other general purpose machinery	96	89	110	1 639	18 292
Manufacture of agricultural and forestry machinery	0	19	15	248	2 638
Manufacture of machine tools	0	11	12	149	1 857
Manufacture of machinery for mining, quarrying, construction and metallurgy	76	93	127	1 541	21 310
Manufacture of machinery for food, beverage and tobacco processing	1	11	12	398	2 785

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part III) (continued)**

Type of manufacture	Royalties	Insurance	Rental of plant, machinery and equipment	Other expenditure	Total expenditure
	R million				
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	1	98	63	1 205	13 953
Manufacture of household appliances	77	14	21	267	5 657
Manufacture of office, accounting and computing machinery	0	11	23	375	4 482
<b>Division 36 - Electrical machinery and apparatus</b>	<b>151</b>	<b>183</b>	<b>175</b>	<b>4 124</b>	<b>44 832</b>
Manufacture of electric motors, generators and transformers	34	56	27	884	12 690
Manufacture of electricity distribution and control apparatus	44	38	41	1 581	8 785
Manufacture of insulated wire and cable	10	29	11	484	9 103
Manufacture of accumulators, primary cells and batteries and lighting equipment	11	20	51	459	4 487
Manufacture of other electrical equipment	52	40	45	716	9 767
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>51</b>	<b>59</b>	<b>88</b>	<b>1 804</b>	<b>13 614</b>
Manufacture of electronic valves and tubes and other electronic components	5	7	10	128	1 136
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	31	11	13	737	5 291
Manufacture of medical and surgical equipment and orthopaedic appliances	2	19	34	263	2 456
Manufacture of instruments and appliances for measuring, testing and navigating	7	13	16	420	3 461
Manufacture of industrial process control equipment	0	2	1	27	217
Manufacture of watches and clocks, optical instruments and photographic equipment	6	7	14	229	1 053

**Table 6 – Expenditure in the manufacturing industry, 2011 (Part III) (concluded)**

Type of manufacture	Royalties	Insurance	Rental of plant, machinery and equipment	Other expenditure	Total expenditure
	R million				
<b>Division 38 - Transport equipment</b>	<b>2 122</b>	<b>481</b>	<b>472</b>	<b>26 678</b>	<b>233 252</b>
Manufacture of motor vehicles	1 544	225	72	20 853	148 990
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	1	74	47	962	12 285
Manufacture of parts for motor vehicles and their engines	569	122	143	3 308	46 689
Building and repairing of ships	0	11	10	119	990
Building and repairing of pleasure and sporting boats	2	5	4	94	751
Manufacture of railway and tramway locomotives and rolling stock	6	18	151	925	16 146
Manufacture of aircraft	0	21	34	365	6 383
Manufacture of other transport equipment	0	5	11	52	1 018
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>233</b>	<b>263</b>	<b>212</b>	<b>4 279</b>	<b>50 763</b>
Manufacture of furniture	26	123	53	854	12 927
Manufacture of jewellery and related articles	5	23	18	497	7 286
Manufacture of musical instruments, sports goods, games and toys	2	5	3	80	794
Other manufacturing, including manufacturing of tobacco and tobacco products	199	84	81	2 177	18 568
Recycling of waste and scrap	1	28	57	671	11 188
<b>Total</b>	<b>7 472</b>	<b>5 716</b>	<b>6 037</b>	<b>161 558</b>	<b>1 581 463</b>

**Table 7 – Purchases of materials, fuel and finished goods in the manufacturing industry, 2011**

Type of manufacture	Raw materials	Materials for maintenance	Fuel	Finished goods for resale	Total purchases
	R million				
<b>Division 30 - Food products and beverages</b>	<b>139 670</b>	<b>2 884</b>	<b>2 970</b>	<b>6 448</b>	<b>151 975</b>
Production, processing and preserving of meat and meat products	21 393	220	77	273	21 964
Processing and preserving of fish and fish products	1 143	32	113	64	1 352
Processing and preserving of fruit and vegetables	5 968	131	93	145	6 337
Manufacture of vegetable and animal oils and fats	14 179	11	517	102	14 810
Manufacture of dairy products	10 320	223	213	146	10 903
Manufacture of grain mill products, starches and starch products	22 439	820	269	440	23 968
Manufacture of prepared animal feeds	8 700	182	38	214	9 134
Manufacture of bakery products	9 333	91	278	121	9 823
Manufacture of sugar, cocoa, chocolate and sugar confectionery	11 275	570	225	451	12 521
Manufacture of other food products	10 465	142	173	2 544	13 324
Manufacture of alcoholic and non-alcoholic beverages	24 455	462	974	1 948	27 839
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>23 255</b>	<b>318</b>	<b>151</b>	<b>2 469</b>	<b>26 196</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	2 622	43	31	83	2 780
Manufacture of made-up textile articles, except apparel	4 371	42	14	172	4 600
Manufacture of carpets, rugs and mats	669	33	23	0	724
Manufacture of cordage, rope, twine and netting	169	1	0	5	176
Manufacture of other textiles	2 009	55	34	87	2 185
Manufacture of knitted and crocheted fabrics and articles	970	13	14	48	1 045
Manufacture of wearing apparel, except fur apparel	8 345	64	18	1 722	10 150
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	1 988	27	16	10	2 041
Manufacture of luggage, handbags and the like, saddlery and harness	445	1	1	34	481
Manufacture of footwear	1 667	39	0	308	2 014



**Table 7 – Purchases of materials, fuel and finished goods in the manufacturing industry, 2011 (continued)**

Type of manufacture	Raw materials	Materials for maintenance	Fuel	Finished goods for resale	Total purchases
	R million				
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>42 818</b>	<b>992</b>	<b>1 013</b>	<b>2 844</b>	<b>47 668</b>
Sawmilling and planing of wood	4 018	107	57	38	4 220
Manufacture of veneer sheets, plywood and other boards	1 660	53	40	259	2 013
Manufacture of builders' carpentry and joinery	1 957	16	7	38	2 018
Manufacture of wooden containers	868	10	3	18	898
Manufacture of other products of wood, articles of cork, straw and plaiting materials	1 642	13	10	77	1 743
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	10 789	133	69	637	11 628
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	11 230	430	771	1 086	13 518
Publishing of books, brochures, musical books and other publications	437	2	0	108	546
Publishing of newspapers, journals and periodicals	1 583	8	0	0	1 591
Publishing of recorded media and other publishing	302	4	3	0	309
Printing	7 773	208	53	575	8 608
Service activities related to printing and reproduction of recorded media	559	8	0	8	576
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>281 186</b>	<b>2 645</b>	<b>1 650</b>	<b>19 329</b>	<b>304 810</b>
Manufacture of coke oven products	1 556	31	20	8	1 615
Manufacture of petrol, fuel oils and other petroleum products	183 526	776	116	11 845	196 263
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	14 362	329	552	1 430	16 673
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	22 185	488	211	1 442	24 327
Manufacture of pesticides and other agro-chemical products	1 049	20	1	54	1 123
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	6 734	60	66	140	7 000
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	6 064	179	24	1 185	7 453
Manufacture of soap and detergents, perfumes and toilet preparations	13 157	52	391	470	14 070
Manufacture of other chemical products	6 047	110	80	749	6 987
Manufacture of man-made fibres and of other rubber products	4 790	168	51	1 512	6 520
Manufacture of rubber tyres and tubes and retreading of tyres	2 418	31	9	56	2 514
Manufacture of plastic products	19 298	401	129	438	20 265
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>18 430</b>	<b>896</b>	<b>3 049</b>	<b>809</b>	<b>23 181</b>
Manufacture of glass and glass products and non-structural non-refractory ceramic ware	2 847	303	956	215	4 320
Manufacture of refractory ceramic products	1 987	18	98	49	2 152
Manufacture of structural non-refractory clay and ceramic products	1 215	142	374	24	1 754
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	10 166	402	1 611	348	12 527
Cutting and shaping of stone	234	17	2	38	290
Manufacture of other non-metallic mineral products	1 981	14	8	135	2 138

**Table 7 – Purchases of materials, fuel and finished goods in the manufacturing industry, 2011 (continued)**

Type of manufacture	Raw materials	Materials for maintenance	Fuel	Finished goods for resale	Total purchases
	R million				
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>185 921</b>	<b>7 120</b>	<b>2 664</b>	<b>7 398</b>	<b>203 105</b>
Manufacture of basic iron and steel and of primary iron and steel products	41 616	3 030	1 669	56	46 371
Manufacture of basic precious and non-ferrous metals	39 102	1 278	234	80	40 694
Casting of iron and steel	4 033	118	26	25	4 202
Casting of non-ferrous metals	317	21	8	3	349
Manufacture of structural metal products	17 722	241	68	670	18 701
Manufacture of tanks, reservoirs and similar containers of metal	906	15	21	1	943
Manufacture of steam generators, except central heating water boilers	329	9	1	0	340
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	908	29	23	0	961
Treatment and coating of metals; general mechanical engineering	6 506	183	74	381	7 144
Manufacture of cutlery, hand tools and general hardware	1 605	37	23	263	1 929
Manufacture of other fabricated metal products	27 006	570	251	298	28 124
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	646	10	0	38	694
Manufacture of pumps, compressors, taps and valves	5 125	44	7	408	5 584
Manufacture of bearings, gears, gearing and driving elements	1 115	33	6	17	1 170
Manufacture of ovens, furnaces and furnace burners	176	4	2	9	191
Manufacture of lifting and handling equipment	2 675	34	4	75	2 788
Manufacture of other general purpose machinery	9 884	736	42	482	11 145
Manufacture of agricultural and forestry machinery	1 490	35	14	79	1 618
Manufacture of machine tools	710	45	7	103	866
Manufacture of machinery for mining, quarrying, construction and metallurgy	11 696	217	50	1 261	13 224
Manufacture of machinery for food, beverage and tobacco processing	1 577	88	7	162	1 834
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	6 258	306	105	430	7 098
Manufacture of household appliances	3 120	22	8	643	3 793
Manufacture of office, accounting and computing machinery	1 399	15	14	1 914	3 342
<b>Division 36 - Electrical machinery and apparatus</b>	<b>24 912</b>	<b>289</b>	<b>188</b>	<b>2 543</b>	<b>27 932</b>
Manufacture of electric motors, generators and transformers	6 588	119	116	1 091	7 914
Manufacture of electricity distribution and control apparatus	4 385	88	11	360	4 844
Manufacture of insulated wire and cable	6 780	44	6	68	6 898
Manufacture of accumulators, primary cells and batteries and lighting equipment	2 282	21	22	61	2 386
Manufacture of other electrical equipment	4 877	17	33	963	5 890

**Table 7 – Purchases of materials, fuel and finished goods in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Raw materials	Materials for maintenance	Fuel	Finished goods for resale	Total purchases
	R million				
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>6 472</b>	<b>55</b>	<b>29</b>	<b>647</b>	<b>7 204</b>
Manufacture of electronic valves and tubes and other electronic components	526	8	23	23	579
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	2 788	21	1	200	3 010
Manufacture of medical and surgical equipment and orthopaedic appliances	1 137	8	4	136	1 285
Manufacture of instruments and appliances for measuring, testing and navigating	1 512	10	1	281	1 804
Manufacture of industrial process control equipment	97	0	0	5	103
Manufacture of watches and clocks, optical instruments and photographic equipment	412	8	0	2	423
<b>Division 38 - Transport equipment</b>	<b>132 666</b>	<b>2 718</b>	<b>395</b>	<b>29 414</b>	<b>165 195</b>
Manufacture of motor vehicles	78 071	1 947	151	28 293	108 462
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	7 892	164	20	436	8 510
Manufacture of parts for motor vehicles and their engines	33 851	413	127	643	35 035
Building and repairing of ships	491	4	19	0	514
Building and repairing of pleasure and sporting boats	351	3	0	31	386
Manufacture of railway and tramway locomotives and rolling stock	8 326	44	63	2	8 436
Manufacture of aircraft	3 107	131	13	0	3 252
Manufacture of other transport equipment	577	12	2	9	600
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>28 233</b>	<b>238</b>	<b>118</b>	<b>779</b>	<b>29 476</b>
Manufacture of furniture	6 261	67	23	305	6 656
Manufacture of jewellery and related articles	5 586	32	3	66	5 687
Manufacture of musical instruments, sports goods, games and toys	317	5	0	13	441
Other manufacturing, including manufacturing of tobacco and tobacco products	8 215	87	51	367	8 721
Recycling of waste and scrap	7 854	47	41	28	7 971
<b>Total</b>	<b>883 563</b>	<b>18 155</b>	<b>12 227</b>	<b>72 680</b>	<b>986 742</b>

**Table 8 – Details of inventories in the manufacturing industry, 2011**

Type of manufacture	Raw materials		Work in progress		Manufactured goods		Finished goods for resale		Total inventories	
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
	R million									
<b>Division 30 - Food products and beverages</b>	<b>10 763</b>	<b>11 383</b>	<b>5 229</b>	<b>5 292</b>	<b>9 905</b>	<b>10 669</b>	<b>629</b>	<b>668</b>	<b>26 526</b>	<b>28 012</b>
Production, processing and preserving of meat and meat products	502	599	221	222	438	407	18	30	1 179	1 258
Processing and preserving of fish and fish products	78	67	1	2	185	200	1	3	265	272
Processing and preserving of fruit and vegetables	940	985	238	247	604	594	2	3	1 784	1 829
Manufacture of vegetable and animal oils and fats	951	1 455	80	156	562	683	0	3	1 593	2 297
Manufacture of dairy products	417	469	277	203	974	996	29	30	1 697	1 698
Manufacture of grain mill products, starches and starch products	2 085	2 025	28	26	1 039	1 123	174	208	3 326	3 382
Manufacture of prepared animal feeds	514	532	53	40	217	235	73	26	857	833
Manufacture of bakery products	561	554	22	25	428	493	2	3	1 013	1 075
Manufacture of sugar, cocoa, chocolate and sugar confectionery	1 062	970	37	46	859	1 181	0	0	1 958	2 197
Manufacture of other food products	1 376	1 371	264	265	1 469	1 578	143	163	3 252	3 377
Manufacture of alcoholic and non-alcoholic beverages	2 277	2 356	4 008	4 060	3 130	3 179	187	199	9 602	9 794
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>3 069</b>	<b>3 436</b>	<b>886</b>	<b>929</b>	<b>2 601</b>	<b>2 967</b>	<b>389</b>	<b>486</b>	<b>6 945</b>	<b>7 818</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	525	590	165	137	303	338	12	10	1 005	1 075
Manufacture of made-up textile articles, except apparel	554	630	164	179	391	416	24	39	1 133	1 264
Manufacture of carpets, rugs and mats	175	176	42	41	138	148	6	4	361	369
Manufacture of cordage, rope, twine and netting	22	22	2	1	11	15	0	0	35	38
Manufacture of other textiles	254	336	27	35	194	191	18	31	493	593
Manufacture of knitted and crocheted fabrics and articles	157	155	52	40	151	189	7	7	367	391
Manufacture of wearing apparel, except fur apparel	969	1 058	281	330	1 097	1 350	165	205	2 512	2 943
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	155	178	80	96	120	119	1	1	356	394
Manufacture of luggage, handbags and the like, saddlery and harness	53	59	14	12	27	30	1	1	95	102
Manufacture of footwear	205	232	59	58	169	171	155	188	588	649

**Table 8 – Details of inventories in the manufacturing industry, 2011 (continued)**

Type of manufacture	Raw materials		Work in progress		Manufactured goods		Finished goods for resale		Total inventories	
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
	R million									
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>4 496</b>	<b>4 881</b>	<b>1 015</b>	<b>1 102</b>	<b>3 055</b>	<b>2 941</b>	<b>544</b>	<b>599</b>	<b>9 110</b>	<b>9 523</b>
Sawmilling and planing of wood	214	257	62	97	312	197	11	19	599	570
Manufacture of veneer sheets, plywood and other boards	315	311	27	26	214	252	18	8	574	597
Manufacture of builders' carpentry and joinery	156	200	69	67	157	165	6	5	388	437
Manufacture of wooden containers	38	43	5	5	12	13	0	5	55	66
Manufacture of other products of wood, articles of cork, straw and plaiting materials	156	139	47	53	81	92	23	32	307	316
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	1 154	1 300	95	136	446	459	71	71	1 766	1 966
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	1 339	1 499	217	224	1 019	998	93	100	2 668	2 821
Publishing of books, brochures, musical books and other publications	102	96	124	142	327	245	241	215	794	698
Publishing of newspapers, journals and periodicals	21	21	24	24	35	12	0	0	80	57
Publishing of recorded media and other publishing	11	8	2	3	10	8	0	0	23	19
Printing	898	928	248	237	397	451	81	141	1 624	1 757
Service activities related to printing and reproduction of recorded media	92	79	95	88	45	49	0	3	232	219

**Table 8 – Details of inventories in the manufacturing industry, 2011 (continued)**

Type of manufacture	Raw materials		Work in progress		Manufactured goods		Finished goods for resale		Total inventories	
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
R million										
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>19 735</b>	<b>20 989</b>	<b>2 425</b>	<b>2 865</b>	<b>22 403</b>	<b>25 328</b>	<b>1 235</b>	<b>3 351</b>	<b>45 798</b>	<b>52 533</b>
Manufacture of coke oven products	53	68	0	0	31	23	0	1	84	92
Manufacture of petrol, fuel oils and other petroleum products	9 979	10 703	976	1 106	9 834	12 035	141	2 156	20 930	26 000
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	909	1 006	202	221	2 004	1 996	315	363	3 430	3 586
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	2 125	2 046	22	19	3 196	3 240	30	37	5 373	5 342
Manufacture of pesticides and other agro-chemical products	160	162	46	83	146	100	0	0	352	345
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	758	897	82	151	849	793	38	45	1 727	1 886
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	1 133	1 127	362	364	1 709	1 853	32	45	3 236	3 389
Manufacture of soap and detergents, perfumes and toilet preparations	1 384	1 405	131	180	1 842	1 895	45	97	3 402	3 577
Manufacture of other chemical products	951	1 011	136	190	512	608	184	157	1 783	1 966
Manufacture of man-made fibres and of other rubber products	516	611	106	152	621	820	271	300	1 514	1 883
Manufacture of rubber tyres and tubes and retreading of tyres	142	175	49	62	137	174	14	13	342	424
Manufacture of plastic products	1 625	1 778	313	337	1 522	1 791	165	137	3 625	4 043
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>2 635</b>	<b>2 643</b>	<b>555</b>	<b>657</b>	<b>2 410</b>	<b>2 428</b>	<b>188</b>	<b>146</b>	<b>5 788</b>	<b>5 874</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	821	874	67	68	1 047	1 113	32	27	1 967	2 082
Manufacture of refractory ceramic products	372	344	69	68	261	244	59	46	761	702
Manufacture of structural non-refractory clay and ceramic products	165	133	91	113	276	255	14	9	546	510
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	970	991	252	344	652	597	24	20	1 898	1 952
Cutting and shaping of stone	10	15	42	42	11	15	0	0	63	72
Manufacture of other non-metallic mineral products	297	286	34	22	163	204	59	44	553	556

**Table 8 – Details of inventories in the manufacturing industry, 2011 (continued)**

Type of manufacture	Raw materials		Work in progress		Manufactured goods		Finished goods for resale		Total inventories	
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
	R million									
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>19 472</b>	<b>21 673</b>	<b>11 063</b>	<b>11 774</b>	<b>14 265</b>	<b>15 153</b>	<b>1 784</b>	<b>1 675</b>	<b>46 584</b>	<b>50 275</b>
Manufacture of basic iron and steel and of primary iron and steel products	4 526	5 908	3 115	3 544	3 102	3 814	13	22	10 756	13 288
Manufacture of basic precious and non-ferrous metals	3 719	4 219	3 164	3 512	2 406	2 528	148	166	9 437	10 425
Casting of iron and steel	798	826	306	332	546	461	21	22	1 671	1 641
Casting of non-ferrous metals	14	18	9	10	25	21	0	0	48	49
Manufacture of structural metal products	1 424	1 472	503	397	473	516	55	56	2 455	2 441
Manufacture of tanks, reservoirs and similar containers of metal	60	43	36	68	32	36	0	2	128	149
Manufacture of steam generators, except central heating water boilers	17	14	9	19	19	24	0	0	45	57
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	68	73	37	29	34	49	0	6	139	157
Treatment and coating of metals; general mechanical engineering	399	378	146	216	105	96	106	19	756	709
Manufacture of cutlery, hand tools and general hardware	450	390	77	165	193	167	82	110	802	832
Manufacture of other fabricated metal products	3 395	3 436	356	389	3 167	2 928	48	34	6 966	6 787
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	28	48	60	73	47	64	14	10	149	195
Manufacture of pumps, compressors, taps and valves	363	490	306	311	555	597	216	206	1 440	1 604
Manufacture of bearings, gears, gearing and driving elements	128	136	105	110	51	72	18	28	302	346
Manufacture of ovens, furnaces and furnace burners	63	19	8	8	0	0	0	0	71	27
Manufacture of lifting and handling equipment	153	207	439	153	95	141	53	29	740	530
Manufacture of other general purpose machinery	906	980	487	537	441	420	174	238	2 008	2 175
Manufacture of agricultural and forestry machinery	154	143	12	25	133	173	28	26	327	367
Manufacture of machine tools	72	86	34	40	76	95	15	17	197	238
Manufacture of machinery for mining, quarrying, construction and metallurgy	1 237	1 103	864	997	1 643	1 811	408	292	4 152	4 203
Manufacture of machinery for food, beverage and tobacco processing	75	72	173	177	25	33	81	70	354	352

**Table 8 – Details of inventories in the manufacturing industry, 2011 (continued)**

Type of manufacture	Raw materials		Work in progress		Manufactured goods		Finished goods for resale		Total inventories	
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
R million										
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	1 006	1 182	750	567	518	528	18	19	2 292	2 296
Manufacture of household appliances	242	210	36	36	198	228	118	151	594	625
Manufacture of office, accounting and computing machinery	175	220	31	59	381	351	168	152	755	782
<b>Division 36 - Electrical machinery and apparatus</b>	<b>3 049</b>	<b>3 278</b>	<b>1 328</b>	<b>1 365</b>	<b>1 590</b>	<b>1 887</b>	<b>1 003</b>	<b>886</b>	<b>6 970</b>	<b>7 416</b>
Manufacture of electric motors, generators and transformers	783	825	611	589	279	271	504	376	2 177	2 061
Manufacture of electricity distribution and control apparatus	857	890	124	123	139	137	170	209	1 290	1 359
Manufacture of insulated wire and cable	539	580	238	318	461	712	10	14	1 248	1 624
Manufacture of accumulators, primary cells and batteries and lighting equipment	186	196	90	83	405	509	6	12	687	800
Manufacture of other electrical equipment	684	787	265	252	306	258	313	275	1 568	1 572
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>1 008</b>	<b>967</b>	<b>620</b>	<b>663</b>	<b>447</b>	<b>547</b>	<b>215</b>	<b>172</b>	<b>2 290</b>	<b>2 349</b>
Manufacture of electronic valves and tubes and other electronic components	72	76	34	36	44	50	13	17	163	179
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	425	365	406	416	117	122	44	15	992	918
Manufacture of medical and surgical equipment and orthopaedic appliances	152	189	21	20	149	166	71	73	393	448
Manufacture of instruments and appliances for measuring, testing and navigating	215	197	83	93	83	130	67	42	448	462
Manufacture of industrial process control equipment	3	3	1	1	11	13	2	2	17	19
Manufacture of watches and clocks, optical instruments and photographic equipment	141	137	75	97	43	66	18	23	277	323



**Table 8 – Details of inventories in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Raw materials		Work in progress		Manufactured goods		Finished goods for resale		Total inventories	
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
	R million									
<b>Division 38 - Transport equipment</b>	<b>12 823</b>	<b>14 182</b>	<b>3 751</b>	<b>4 500</b>	<b>9 444</b>	<b>12 238</b>	<b>4 200</b>	<b>2 525</b>	<b>30 218</b>	<b>33 445</b>
Manufacture of motor vehicles	5 844	6 870	2 293	2 527	7 829	10 271	4 012	2 348	19 978	22 016
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	998	1 185	496	565	396	414	75	58	1 965	2 222
Manufacture of parts for motor vehicles and their engines	3 356	3 718	254	317	996	1 319	56	68	4 662	5 422
Building and repairing of ships	25	18	171	160	9	1	0	0	205	179
Building and repairing of pleasure and sporting boats	65	63	14	60	41	53	0	0	120	176
Manufacture of railway and tramway locomotives and rolling stock	1 675	1 397	380	698	119	151	3	4	2 177	2 250
Manufacture of aircraft	819	883	137	153	4	5	54	47	1 014	1 088
Manufacture of other transport equipment	41	48	6	20	50	24	0	0	97	92
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>3 252</b>	<b>3 990</b>	<b>500</b>	<b>519</b>	<b>2 275</b>	<b>2 523</b>	<b>292</b>	<b>255</b>	<b>6 319</b>	<b>7 287</b>
Manufacture of furniture	576	667	120	104	230	268	11	6	937	1 045
Manufacture of jewellery and related articles	721	1 174	254	280	570	705	258	198	1 803	2 357
Manufacture of musical instruments, sports goods, games and toys	51	55	5	4	11	8	3	7	70	74
Other manufacturing, including manufacturing of tobacco and tobacco products	1 326	1 365	99	97	1 452	1 521	11	33	2 888	3 016
Recycling of waste and scrap	578	729	22	34	12	21	9	11	621	795
<b>Total</b>	<b>80 302</b>	<b>87 422</b>	<b>27 372</b>	<b>29 666</b>	<b>68 395</b>	<b>76 681</b>	<b>10 479</b>	<b>10 763</b>	<b>186 548</b>	<b>204 532</b>

**Table 9 – Carrying value of property, plant, equipment and intangible assets at the end of the year in the manufacturing industry, 2011**

Type of manufacture	Land, buildings and construction	Plant, machinery and equipment	Vehicles	Computers and other IT equipment	Goodwill	Computer software	Patents and copyright	Other intangible assets	Total carrying value
	R million								
<b>Division 30 - Food products and beverages</b>	<b>15 935</b>	<b>30 624</b>	<b>3 071</b>	<b>323</b>	<b>11 204</b>	<b>752</b>	<b>3 800</b>	<b>5 477</b>	<b>71 186</b>
Production, processing and preserving of meat and meat products	961	1 401	347	24	955	0	287	302	4 277
Processing and preserving of fish and fish products	245	181	262	1	20	0	3	11	723
Processing and preserving of fruit and vegetables	973	1 272	70	12	53	3	36	10	2 429
Manufacture of vegetable and animal oils and fats	805	1 458	32	6	2 912	60	1 790	0	7 063
Manufacture of dairy products	1 147	2 097	267	15	747	10	262	285	4 830
Manufacture of grain mill products, starches and starch products	2 205	3 392	548	16	1 420	74	885	22	8 562
Manufacture of prepared animal feeds	889	1 345	216	8	34	5	3	20	2 520
Manufacture of bakery products	440	1 730	145	4	719	0	40	20	3 098
Manufacture of sugar, cocoa, chocolate and sugar confectionery	1 524	4 027	277	5	640	27	72	150	6 722
Manufacture of other food products	1 908	3 333	253	47	1 969	11	178	50	7 749
Manufacture of alcoholic and non-alcoholic beverages	4 838	10 388	654	185	1 735	562	244	4 607	23 213
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>1 846</b>	<b>3 599</b>	<b>456</b>	<b>76</b>	<b>417</b>	<b>11</b>	<b>84</b>	<b>50</b>	<b>6 539</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	346	727	20	9	0	0	29	2	1 133
Manufacture of made-up textile articles, except apparel	231	608	57	14	272	2	0	22	1 206
Manufacture of carpets, rugs and mats	266	284	8	2	0	0	0	0	560
Manufacture of cordage, rope, twine and netting	49	21	8	0	1	0	0	1	80
Manufacture of other textiles	73	672	88	9	14	0	0	5	861
Manufacture of knitted and crocheted fabrics and articles	52	227	17	2	0	1	0	10	309
Manufacture of wearing apparel, except fur apparel	506	604	180	25	90	7	38	8	1 458

**Table 9 – Carrying value of property, plant, equipment and intangible assets at the end of the year in the manufacturing industry, 2011 (continued)**

Type of manufacture	Land, buildings and construction	Plant, machinery and equipment	Vehicles	Computers and other IT equipment	Goodwill	Computer software	Patents and copyright	Other intangible assets	Total carrying value
	R million								
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	234	179	22	4	13	0	0	1	453
Manufacture of luggage, handbags and the like, saddlery and harness	41	45	11	1	18	0	0	1	117
Manufacture of footwear	48	232	45	10	9	1	17	0	362
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>6 060</b>	<b>21 289</b>	<b>1 107</b>	<b>302</b>	<b>4 183</b>	<b>304</b>	<b>375</b>	<b>1 476</b>	<b>35 096</b>
Sawmilling and planing of wood	482	568	240	23	80	0	0	4	1 397
Manufacture of veneer sheets, plywood and other boards	1 022	1 459	48	20	82	7	1	164	2 803
Manufacture of builders' carpentry and joinery	72	194	89	7	10	0	0	1	373
Manufacture of wooden containers	19	34	23	2	3	0	0	1	82
Manufacture of other products of wood, articles of cork, straw and plaiting materials	57	143	70	5	44	0	0	2	321
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	711	3 208	56	13	1 284	2	0	50	5 324
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	2 106	9 427	105	15	93	1	0	77	11 824
Publishing of books, brochures, musical books and other publications	125	85	21	101	362	161	4	49	908
Publishing of newspapers, journals and periodicals	392	347	256	45	675	83	49	802	2 649
Publishing of recorded media and other publishing	4	45	4	2	1	1	0	0	57
Printing	839	5 132	190	67	734	48	14	50	7 074
Service activities related to printing and reproduction of recorded media	231	647	5	2	815	1	307	276	2 284

**Table 9 – Carrying value of property, plant, equipment and intangible assets at the end of the year in the manufacturing industry, 2011 (continued)**

Type of manufacture	Land, buildings and construction	Plant, machinery and equipment	Vehicles	Computers and other IT equipment	Goodwill	Computer software	Patents and copyright	Other intangible assets	Total carrying value
R million									
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>34 144</b>	<b>73 931</b>	<b>2 256</b>	<b>538</b>	<b>11 361</b>	<b>721</b>	<b>3 604</b>	<b>3 384</b>	<b>129 939</b>
Manufacture of coke oven products	175	438	64	32	3	1	1	7	721
Manufacture of petrol, fuel oils and other petroleum products	19 647	31 263	566	154	217	132	1	80	52 060
Processing of nuclear fuel and manufacture of basic chemicals, except fertilisers and nitrogen compounds	1 432	13 337	280	81	831	134	13	248	16 356
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	2 816	11 987	124	13	1 922	87	88	74	17 111
Manufacture of pesticides and other agro-chemical products	31	114	13	2	1	0	0	0	161
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	293	570	342	34	1 455	9	762	54	3 519
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	2 762	2 863	39	82	71	255	64	2 617	8 753
Manufacture of soap and detergents, perfumes and toilet preparations	4 756	2 610	184	54	4 664	81	2 497	171	15 017
Manufacture of other chemical products	545	2 582	104	19	1 354	6	25	37	4 672
Manufacture of man-made fibres and of other rubber products	600	1 563	29	5	5	2	64	0	2 268
Manufacture of rubber tyres and tubes and retreading of tyres	82	584	57	7	76	0	0	10	816
Manufacture of plastic products	1 005	6 020	454	55	762	14	89	86	8 485
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>4 268</b>	<b>14 951</b>	<b>1 247</b>	<b>90</b>	<b>18 145</b>	<b>125</b>	<b>67</b>	<b>2 096</b>	<b>40 989</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	1 202	4 632	193	55	2 874	40	39	1 821	10 856
Manufacture of refractory ceramic products	195	293	45	6	43	3	1	0	586
Manufacture of structural non-refractory clay and ceramic products	740	844	138	3	133	0	2	131	1 991

**Table 9 – Carrying value of property, plant, equipment and intangible assets at the end of the year in the manufacturing industry, 2011 (continued)**

Type of manufacture	Land, buildings and construction	Plant, machinery and equipment	Vehicles	Computers and other IT equipment	Goodwill	Computer software	Patents and copyright	Other intangible assets	Total carrying value
	R million								
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	2 021	8 708	823	20	15 094	82	25	141	26 914
Cutting, shaping and finishing of stone	31	24	25	0	1	0	0	0	81
Manufacture of other non-metallic mineral products	79	450	23	6	0	0	0	3	561
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>15 970</b>	<b>51 169</b>	<b>3 347</b>	<b>587</b>	<b>4 769</b>	<b>477</b>	<b>141</b>	<b>3 685</b>	<b>80 145</b>
Manufacture of basic iron and steel and of primary iron and steel products	4 057	21 955	204	130	187	42	23	2 529	29 127
Manufacture of basic precious and non-ferrous metals	3 679	12 224	298	30	64	267	3	227	16 792
Casting of iron and steel	466	1 928	23	4	145	2	0	0	2 568
Casting of non-ferrous metals	43	49	8	1	53	0	0	1	155
Manufacture of structural metal products	2 478	1 627	717	37	918	13	21	18	5 829
Manufacture of tanks, reservoirs and similar containers of metal	3	69	21	2	77	0	9	16	197
Manufacture of steam generators, except central heating water boilers	86	104	19	1	0	2	0	0	212
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	41	381	8	1	27	0	0	2	460
Treatment and coating of metals; general mechanical engineering	351	1 860	328	21	231	2	0	24	2 817
Manufacture of cutlery, hand tools and general hardware	197	419	36	8	25	0	0	2	687
Manufacture of other fabricated metal products	2 215	5 617	391	98	874	31	5	243	9 474
Manufacture of engines and turbines, except aircraft, vehicle and motor-cycle engines	33	111	23	3	29	0	0	0	199
Manufacture of pumps, compressors, taps and valves	218	465	135	28	191	15	38	144	1 234
Manufacture of bearings, gears, gearing and driving elements	44	193	23	3	4	0	0	2	269
Manufacture of ovens, furnaces and furnace burners	18	20	11	1	0	0	0	0	50
Manufacture of lifting and handling equipment	48	228	89	13	7	2	6	13	406

**Table 9 – Carrying value of property, plant, equipment and intangible assets at the end of the year in the manufacturing industry, 2011 (continued)**

Type of manufacture	Land, buildings and construction	Plant, machinery and equipment	Vehicles	Computers and other IT equipment	Goodwill	Computer software	Patents and copyright	Other intangible assets	Total carrying value
	R million								
Manufacture of other general purpose machinery	456	801	357	30	167	5	1	12	1 829
Manufacture of agricultural and forestry machinery	88	112	89	4	1	0	0	1	295
Manufacture of machine tools	89	154	21	3	57	1	0	0	325
Manufacture of machinery for mining, quarrying, construction and metallurgy	507	1 208	250	50	534	24	14	161	2 748
Manufacture of machinery for food, beverage and tobacco processing	71	109	28	5	239	0	0	19	471
Manufacture of machinery for textile, apparel and leather production, manufacture of weapons and ammunition and of other special purpose machinery	576	1 146	228	92	123	20	20	13	2 218
Manufacture of household appliances	192	347	27	9	816	0	1	13	1 405
Manufacture of office, accounting and computing machinery	14	42	13	13	0	51	0	245	378
<b>Division 36 - Electrical machinery and apparatus</b>	<b>1 489</b>	<b>2 771</b>	<b>337</b>	<b>90</b>	<b>5 858</b>	<b>66</b>	<b>662</b>	<b>381</b>	<b>11 654</b>
Manufacture of electric motors, generators and transformers	716	558	121	20	5 619	2	89	213	7 338
Manufacture of electricity distribution and control apparatus	100	225	48	8	175	46	0	6	608
Manufacture of insulated wire and cable	284	905	27	29	31	0	41	29	1 346
Manufacture of accumulators, primary cells and batteries and lighting equipment	163	510	68	6	14	2	32	29	824
Manufacture of other electrical equipment	226	573	73	27	19	16	500	104	1 538
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>171</b>	<b>540</b>	<b>86</b>	<b>75</b>	<b>483</b>	<b>19</b>	<b>34</b>	<b>372</b>	<b>1 780</b>
Manufacture of electronic valves and tubes and other electronic components	43	69	11	13	52	1	1	58	248
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	43	147	8	28	403	0	20	277	926
Manufacture of medical and surgical equipment and orthopaedic appliances	50	114	34	5	0	14	0	18	235

**Table 9 – Carrying value of property, plant, equipment and intangible assets at the end of the year in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Land, buildings and construction	Plant, machinery and equipment	Vehicles	Computers and other IT equipment	Goodwill	Computer software	Patents and copyright	Other intangible assets	Total carrying value
	R million								
Manufacture of instruments and appliances for measuring, testing and navigating	29	125	29	23	28	4	13	18	269
Manufacture of industrial process control equipment	0	5	2	1	0	0	0	0	8
Manufacture of watches and clocks, optical instruments and photographic equipment	6	80	2	5	0	0	0	1	94
<b>Division 38 - Transport equipment</b>	<b>11 361</b>	<b>14 784</b>	<b>1 819</b>	<b>225</b>	<b>1 215</b>	<b>245</b>	<b>319</b>	<b>1 183</b>	<b>31 151</b>
Manufacture of motor vehicles	6 519	8 918	909	133	34	156	0	815	17 484
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	466	618	200	13	244	1	5	2	1 549
Manufacture of parts for motor vehicles and their engines	1 196	3 231	250	39	771	48	298	240	6 073
Building and repairing of ships	42	98	13	2	4	0	0	0	159
Building and repairing of pleasure and sporting boats	61	49	6	4	1	0	0	19	140
Manufacture of railway and tramway locomotives and rolling stock	2 425	1 556	388	8	149	37	15	1	4 579
Manufacture of aircraft	615	280	48	8	12	3	1	101	1 068
Manufacture of other transport equipment	37	34	5	18	0	0	0	5	99
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>842</b>	<b>4 288</b>	<b>1 210</b>	<b>97</b>	<b>2 566</b>	<b>100</b>	<b>118</b>	<b>55</b>	<b>9 276</b>
Manufacture of furniture	216	872	281	28	791	9	71	3	2 271
Manufacture of jewellery and related articles	189	364	12	28	32	10	0	12	647
Manufacture of musical instruments, sports goods, games and toys	3	56	12	2	1	0	3	5	82
Other manufacturing, including manufacturing of tobacco and tobacco products	298	1 827	616	27	248	73	44	28	3 161
Recycling of waste and scrap	136	1 169	289	12	1 494	8	0	7	3 115
<b>Total</b>	<b>92 086</b>	<b>217 946</b>	<b>14 936</b>	<b>2 403</b>	<b>60 201</b>	<b>2 820</b>	<b>9 204</b>	<b>18 159</b>	<b>417 755</b>

**Table 10 – Details of assets in the manufacturing industry, 2011**

Type of manufacture	Current assets					Non-current assets					Total assets
	Bank	Debtors	Inventories	Other	Total	Fixed	Goodwill	Long-term loans	Other	Total	
	R million										
<b>Division 30 - Food products and beverages</b>	<b>9 424</b>	<b>30 897</b>	<b>28 014</b>	<b>9 435</b>	<b>77 770</b>	<b>59 981</b>	<b>11 204</b>	<b>9 632</b>	<b>10 812</b>	<b>91 629</b>	<b>169 399</b>
Production, processing and preserving of meat and meat products	713	1 818	1 258	917	4 706	3 323	955	293	937	5 508	10 214
Processing and preserving of fish and fish products	141	518	272	66	997	703	20	143	133	999	1 996
Processing and preserving of fruit and vegetables	183	1 570	1 829	279	3 861	2 376	53	137	483	3 049	6 911
Manufacture of vegetable and animal oils and fats	233	2 245	2 297	198	4 973	4 152	2 912	159	445	7 668	12 641
Manufacture of dairy products	1 756	3 027	1 698	138	6 619	4 083	747	237	109	5 176	11 795
Manufacture of grain mill products, starches and starch products	1 729	3 725	3 383	1 691	10 528	7 142	1 420	3 566	1 237	13 365	23 892
Manufacture of prepared animal feeds	264	1 750	833	444	3 291	2 486	34	870	211	3 601	6 892
Manufacture of bakery products	760	1 924	1 075	408	4 167	2 379	719	790	401	4 289	8 456
Manufacture of sugar, cocoa, chocolate and sugar confectionery	745	2 576	2 198	1 371	6 890	6 081	640	1 115	5 131	12 967	19 857
Manufacture of other food products	1 487	4 659	3 377	508	10 031	5 779	1 969	1 265	892	9 905	19 936
Manufacture of alcoholic and non-alcoholic beverages	1 413	7 085	9 794	3 415	21 707	21 477	1 735	1 057	833	25 102	46 809



**Table 10 – Details of assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current assets					Non-current assets					Total assets
	Bank	Debtors	Inventories	Other	Total	Fixed	Goodwill	Long-term loans	Other	Total	
	R million										
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>2 046</b>	<b>8 225</b>	<b>7 817</b>	<b>755</b>	<b>18 843</b>	<b>6 121</b>	<b>417</b>	<b>1 648</b>	<b>1 151</b>	<b>9 337</b>	<b>28 182</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	103	886	1 076	107	2 172	1 133	0	73	328	1 534	3 706
Manufacture of made-up textile articles, except apparel	465	968	1 265	63	2 761	934	272	731	77	2 014	4 775
Manufacture of carpets, rugs and mats	134	229	369	29	761	559	0	85	33	677	1 438
Manufacture of cordage, rope, twine and netting	27	66	37	15	145	79	1	3	15	98	243
Manufacture of other textiles	197	703	592	182	1 674	848	14	63	49	974	2 648
Manufacture of knitted and crocheted fabrics and articles	139	389	391	36	955	309	0	53	28	390	1 345
Manufacture of wearing apparel, except fur apparel	706	3 757	2 942	215	7 620	1 368	90	556	357	2 371	9 992
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	87	331	394	49	861	440	13	17	107	577	1 439
Manufacture of luggage, handbags and the like, saddlery and harness	30	122	102	10	264	98	18	38	49	203	467
Manufacture of footwear	158	774	649	49	1 630	353	9	29	108	499	2 129

**Table 10 – Details of assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current assets					Non-current assets					Total assets
	Bank	Debtors	Inventories	Other	Total	Fixed	Goodwill	Long-term loans	Other	Total	
	R million										
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>6 397</b>	<b>19 225</b>	<b>9 524</b>	<b>5 743</b>	<b>40 889</b>	<b>30 912</b>	<b>4 183</b>	<b>3 455</b>	<b>9 951</b>	<b>48 501</b>	<b>89 390</b>
Sawmilling and planing of wood	179	923	570	88	1 760	1 316	80	58	1 479	2 933	4 693
Manufacture of veneer sheets, plywood and other boards	185	1 252	596	33	2 066	2 721	82	244	1 105	4 152	6 218
Manufacture of builders' carpentry and joinery	177	462	437	165	1 241	363	10	24	81	478	1 719
Manufacture of wooden containers	46	181	65	21	313	79	3	40	9	131	444
Manufacture of other products of wood, articles of cork, straw and plaiting materials	138	322	317	139	916	278	44	74	96	492	1 408
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	566	3 423	1 966	423	6 378	4 040	1 284	184	454	5 962	12 340
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	1 198	4 097	2 821	245	8 361	11 731	93	101	5 422	17 347	25 708
Publishing of books, brochures, musical books and other publications	852	1 729	699	406	3 686	545	362	256	358	1 521	5 207
Publishing of newspapers, journals and periodicals	684	3 326	58	3 708	7 776	1 974	675	2 019	490	5 158	12 934
Publishing of recorded media and other publishing	54	93	19	6	172	56	1	10	75	142	313
Printing	2 014	2 688	1 758	495	6 955	6 340	734	420	311	7 805	14 761
Service activities related to printing and reproduction of recorded media	304	729	218	14	1 265	1 469	815	25	71	2 380	3 645

**Table 10 – Details of assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current assets					Non-current assets					Total assets
	Bank	Debtors	Inventories	Other	Total	Fixed	Goodwill	Long-term loans	Other	Total	
R million											
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>18 719</b>	<b>64 352</b>	<b>52 531</b>	<b>14 382</b>	<b>149 984</b>	<b>118 578</b>	<b>11 361</b>	<b>10 240</b>	<b>7 630</b>	<b>147 809</b>	<b>297 794</b>
Manufacture of coke oven products	25	965	92	3	1 085	717	3	1	163	884	1 969
Manufacture of petrol, fuel oils and other petroleum products	4 066	28 632	26 000	9 307	68 005	51 843	217	1 040	2 437	55 537	123 542
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	2 283	6 083	3 586	512	12 464	15 526	831	3 190	549	20 096	32 560
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	2 431	6 268	5 342	376	14 417	15 189	1 922	1 619	1 350	20 080	34 496
Manufacture of pesticides and other agro-chemical products	118	544	344	15	1 021	160	1	58	36	255	1 276
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	1 056	1 992	1 885	334	5 267	2 064	1 455	184	348	4 051	9 318
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	3 287	3 912	3 389	748	11 336	8 682	71	1 962	507	11 222	22 558
Manufacture of soap and detergents, perfumes and toilet preparations	1 782	4 834	3 578	295	10 489	10 354	4 664	538	766	16 322	26 811
Manufacture of other chemical products	885	2 320	1 965	1 003	6 173	3 317	1 354	490	284	5 445	11 618
Manufacture of man-made fibres and of other rubber products	531	1 647	1 884	474	4 536	2 263	5	58	34	2 360	6 897
Manufacture of rubber tyres and tubes and retreading of tyres	182	636	424	79	1 321	740	76	293	188	1 297	2 618
Manufacture of plastic products	2 073	6 519	4 042	1 236	13 870	7 723	762	807	968	10 260	24 131

**Table 10 – Details of assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current assets					Non-current assets					Total assets
	Bank	Debtors	Inventories	Other	Total	Fixed	Goodwill	Long-term loans	Other	Total	
	R million										
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>2 996</b>	<b>6 041</b>	<b>5 873</b>	<b>1 043</b>	<b>15 953</b>	<b>22 845</b>	<b>18 145</b>	<b>1 721</b>	<b>1 730</b>	<b>44 441</b>	<b>60 394</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	799	1 328	2 082	650	4 859	7 982	2 874	130	225	11 211	16 071
Manufacture of refractory ceramic products	611	511	702	80	1 904	543	43	61	49	696	2 600
Manufacture of structural non-refractory clay and ceramic products	485	442	509	13	1 449	1 858	133	220	199	2 410	3 858
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	908	3 106	1 951	249	6 214	11 820	15 094	1 211	1 173	29 298	35 512
Cutting and shaping of stone	13	84	73	12	182	81	1	74	9	165	347
Manufacture of other non-metallic mineral products	180	570	556	39	1 345	561	0	25	75	661	2 006
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>26 261</b>	<b>46 161</b>	<b>50 272</b>	<b>10 951</b>	<b>133 645</b>	<b>75 374</b>	<b>4 769</b>	<b>22 679</b>	<b>25 990</b>	<b>128 812</b>	<b>262 457</b>
Manufacture of basic iron and steel and of primary iron and steel products	5 074	6 875	13 287	1 014	26 250	28 940	187	11 458	451	41 036	67 286
Manufacture of basic precious and non-ferrous metals	4 942	6 371	10 425	582	22 320	16 728	64	5 387	18 043	40 222	62 542
Casting of iron and steel	822	1 346	1 641	74	3 883	2 423	145	56	335	2 959	6 841
Casting of non-ferrous metals	44	109	50	4	207	101	53	18	10	182	389
Manufacture of structural metal products	2 064	5 424	2 441	3 022	12 951	4 911	918	774	978	7 581	20 533
Manufacture of tanks, reservoirs and similar containers of metal	209	263	149	25	646	120	77	42	36	275	920
Manufacture of steam generators, except central heating water boilers	59	98	58	19	234	212	0	29	60	301	535
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	39	272	156	15	482	433	27	18	33	511	993
Treatment and coating of metals; general mechanical engineering	1 015	2 194	710	404	4 323	2 585	231	620	637	4 073	8 396
Manufacture of cutlery, hand tools and general hardware	243	534	832	135	1 744	663	25	60	93	841	2 585
Manufacture of other fabricated metal products	1 298	6 796	6 786	1 814	16 694	8 600	874	1 719	1 579	12 772	29 466

**Table 10 – Details of assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current assets					Non-current assets					Total assets
	Bank	Debtors	Inventories	Other	Total	Fixed	Goodwill	Long-term loans	Other	Total	
	R million										
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	93	339	195	19	646	170	29	13	15	227	873
Manufacture of pumps, compressors, taps and valves	722	1 855	1 603	243	4 423	1 043	191	81	257	1 572	5 995
Manufacture of bearings, gears, gearing and driving elements	355	316	346	48	1 065	265	4	47	126	442	1 507
Manufacture of ovens, furnaces and furnace burners	63	69	27	4	163	50	0	34	23	107	271
Manufacture of lifting and handling equipment	836	910	529	96	2 371	399	7	243	178	827	3 198
Manufacture of other general purpose machinery	2 613	3 089	2 175	782	8 659	1 661	167	312	765	2 905	11 564
Manufacture of agricultural and forestry machinery	354	260	367	107	1 088	294	1	89	151	535	1 623
Manufacture of machine tools	78	279	238	69	664	268	57	17	20	362	1 026
Manufacture of machinery for mining, quarrying, construction and metallurgy	2 140	3 524	4 202	830	10 696	2 215	534	444	716	3 909	14 606
Manufacture of machinery for food, beverage and tobacco processing	299	941	352	16	1 608	232	239	126	31	628	2 235
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	2 342	2 973	2 296	495	8 106	2 095	123	543	1 145	3 906	12 012
Manufacture of household appliances	428	1 013	625	127	2 193	588	816	13	146	1 563	3 756
Manufacture of office, accounting and computing machinery	129	311	782	1 007	2 229	378	0	536	162	1 076	3 305

**Table 10 – Details of assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current assets					Non-current assets					Total assets
	Bank	Debtors	Inventories	Other	Total	Fixed	Goodwill	Long-term loans	Other	Total	
	R million										
<b>Division 36 - Electrical machinery and apparatus</b>	<b>4 564</b>	<b>7 728</b>	<b>7 417</b>	<b>1 244</b>	<b>20 953</b>	<b>5 796</b>	<b>5 858</b>	<b>748</b>	<b>1 495</b>	<b>13 897</b>	<b>34 850</b>
Manufacture of electric motors, generators and transformers	1 384	2 097	2 062	223	5 766	1 719	5 619	18	171	7 527	13 293
Manufacture of electricity distribution and control apparatus	601	2 102	1 359	131	4 193	433	175	110	233	951	5 144
Manufacture of insulated wire and cable	1 239	1 369	1 624	144	4 376	1 315	31	341	44	1 731	6 106
Manufacture of accumulators, primary cells and batteries and lighting equipment	361	673	800	30	1 864	810	14	167	807	1 798	3 662
Manufacture of other electrical equipment	979	1 487	1 572	716	4 754	1 519	19	112	240	1 890	6 645
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>1 188</b>	<b>2 851</b>	<b>2 349</b>	<b>624</b>	<b>7 012</b>	<b>1 297</b>	<b>483</b>	<b>193</b>	<b>722</b>	<b>2 695</b>	<b>9 707</b>
Manufacture of electronic valves and tubes and other electronic components	126	197	179	15	517	196	52	42	42	332	849
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	379	1 342	917	363	3 001	523	403	44	258	1 228	4 229
Manufacture of medical and surgical equipment and orthopaedic appliances	300	480	448	57	1 285	235	0	34	253	522	1 807
Manufacture of instruments and appliances for measuring, testing and navigating	247	570	462	140	1 419	241	28	31	87	387	1 806
Manufacture of industrial process control equipment	4	58	19	37	118	8	0	25	1	34	152
Manufacture of watches and clocks, optical instruments and photographic equipment	132	204	324	12	672	94	0	17	81	192	864

**Table 10 – Details of assets in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Current assets					Non-current assets					Total assets
	Bank	Debtors	Inventories	Other	Total	Fixed	Goodwill	Long-term loans	Other	Total	
	R million										
<b>Division 38 - Transport equipment</b>	<b>15 958</b>	<b>24 623</b>	<b>33 445</b>	<b>9 847</b>	<b>83 873</b>	<b>29 936</b>	<b>1 215</b>	<b>19 260</b>	<b>4 932</b>	<b>55 343</b>	<b>139 219</b>
Manufacture of motor vehicles	11 870	11 562	22 017	6 283	51 732	17 450	34	17 810	3 793	39 087	90 819
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	376	1 459	2 222	341	4 398	1 305	244	353	276	2 178	6 576
Manufacture of parts for motor vehicles and their engines	2 466	6 518	5 422	2 460	16 866	5 302	771	892	461	7 426	24 292
Building and repairing of ships	68	135	179	17	399	155	4	63	58	280	680
Building and repairing of pleasure and sporting boats	30	45	176	7	258	139	1	16	33	189	447
Manufacture of railway and tramway locomotives and rolling stock	899	3 485	2 249	323	6 956	4 430	149	32	177	4 788	11 744
Manufacture of aircraft	226	1 290	1 088	402	3 006	1 056	12	72	130	1 270	4 277
Manufacture of other transport equipment	23	129	92	14	258	99	0	22	4	125	384
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>3 735</b>	<b>9 704</b>	<b>7 287</b>	<b>1 374</b>	<b>22 100</b>	<b>6 710</b>	<b>2 566</b>	<b>801</b>	<b>1 119</b>	<b>11 196</b>	<b>33 295</b>
Manufacture of furniture	1 238	1 924	1 046	260	4 468	1 480	791	251	388	2 910	7 378
Manufacture of jewellery and related articles	541	1 469	2 357	224	4 591	615	32	104	104	855	5 446
Manufacture of musical instruments, sports goods, games and toys	28	63	73	10	174	81	1	12	5	99	273
Other manufacturing, including manufacturing of tobacco and tobacco products	1 786	4 899	3 016	617	10 318	2 913	248	149	581	3 891	14 209
Recycling of waste and scrap	142	1 349	795	263	2 549	1 621	1 494	285	41	3 441	5 989
<b>Total</b>	<b>91 288</b>	<b>219 807</b>	<b>204 529</b>	<b>55 398</b>	<b>571 022</b>	<b>357 550</b>	<b>60 201</b>	<b>70 377</b>	<b>65 532</b>	<b>553 660</b>	<b>1 124 687</b>

**Table 11 – Details of liabilities in the manufacturing industry, 2011**

Type of manufacture	Current liabilities				Non-current liabilities			Total liabilities	Owners' equity	Equity and liabilities
	Creditors	Overdraft	Other	Total	Long-term loans	Other	Total			
	R million									
<b>Division 30 - Food products and beverages</b>	<b>36 643</b>	<b>4 603</b>	<b>29 314</b>	<b>70 560</b>	<b>17 856</b>	<b>20 015</b>	<b>37 871</b>	<b>108 431</b>	<b>60 968</b>	<b>169 399</b>
Production, processing and preserving of meat and meat products	1 805	419	1 100	3 324	2 662	1 235	3 897	7 221	2 993	10 214
Processing and preserving of fish and fish products	631	37	99	767	131	291	422	1 189	807	1 996
Processing and preserving of fruit and vegetables	1 355	351	863	2 569	1 365	692	2 057	4 626	2 285	6 911
Manufacture of vegetable and animal oils and fats	3 701	205	472	4 378	665	871	1 536	5 914	6 727	12 641
Manufacture of dairy products	2 926	386	1 028	4 340	1 397	734	2 131	6 471	5 324	11 795
Manufacture of grain mill products, starches and starch products	3 495	188	4 576	8 259	4 291	3 727	8 018	16 277	7 615	23 892
Manufacture of prepared animal feeds	1 972	246	849	3 067	552	811	1 363	4 430	2 462	6 892
Manufacture of bakery products	1 973	574	1 094	3 641	357	1 960	2 317	5 958	2 498	8 456
Manufacture of sugar, cocoa, chocolate and sugar confectionery	2 888	499	4 319	7 706	1 338	2 870	4 208	11 914	7 943	19 857
Manufacture of other food products	4 044	855	3 903	8 802	1 493	3 110	4 603	13 405	6 531	19 936
Manufacture of alcoholic and non-alcoholic beverages	11 853	843	11 011	23 707	3 605	3 714	7 319	31 026	15 783	46 809
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>6 915</b>	<b>1 921</b>	<b>3 187</b>	<b>12 023</b>	<b>4 357</b>	<b>3 060</b>	<b>7 417</b>	<b>19 440</b>	<b>8 742</b>	<b>28 182</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	521	424	305	1 250	1 751	576	2 327	3 577	129	3 706
Manufacture of made-up textile articles, except apparel	1 004	139	1 196	2 339	406	612	1 018	3 357	1 418	4 775
Manufacture of carpets, rugs and mats	169	27	105	301	381	89	470	771	667	1 438
Manufacture of cordage, rope, twine and netting	31	1	6	38	45	20	65	103	140	243
Manufacture of other textiles	547	93	253	893	340	261	601	1 494	1 154	2 648
Manufacture of knitted and crocheted fabrics and articles	322	48	94	464	278	215	493	957	388	1 345
Manufacture of wearing apparel, except fur apparel	3 308	857	816	4 981	823	1 001	1 824	6 805	3 187	9 992
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	339	198	208	745	141	87	228	973	466	1 439
Manufacture of luggage, handbags and the like, saddlery and harness	99	22	12	133	85	37	122	255	212	467
Manufacture of footwear	575	112	192	879	107	162	269	1 148	981	2 129



**Table 11 – Details of liabilities in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current liabilities				Non-current liabilities			Total liabilities	Owners' equity	Equity and liabilities
	Creditors	Overdraft	Other	Total	Long-term loans	Other	Total			
	R million									
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>18 272</b>	<b>2 890</b>	<b>11 732</b>	<b>32 894</b>	<b>12 614</b>	<b>10 688</b>	<b>23 302</b>	<b>56 196</b>	<b>33 194</b>	<b>89 390</b>
Sawmilling and planing of wood	788	99	294	1 181	793	860	1 653	2 834	1 859	4 693
Manufacture of veneer sheets, plywood and other boards	2 514	109	258	2 881	491	301	792	3 673	2 545	6 218
Manufacture of builders' carpentry and joinery	272	58	92	422	143	86	229	651	1 068	1 719
Manufacture of wooden containers	133	6	37	176	86	31	117	293	151	444
Manufacture of other products of wood, articles of cork, straw and plaiting materials	370	40	86	496	255	161	416	912	496	1 408
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	2 829	721	1 075	4 625	4 574	892	5 466	10 091	2 249	12 340
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	5 226	179	1 596	7 001	4 338	3 618	7 956	14 957	10 751	25 708
Publishing of books, brochures, musical books and other publications	1 494	20	645	2 159	110	843	953	3 112	2 095	5 207
Publishing of newspapers, journals and periodicals	2 446	1 476	4 818	8 740	663	1 234	1 897	10 637	2 297	12 934
Publishing of recorded media and other publishing	131	5	36	172	32	21	53	225	88	313
Printing	1 940	168	2 696	4 804	1 058	2 582	3 640	8 444	6 317	14 761
Service activities related to printing and reproduction of recorded media	129	9	99	237	71	59	130	367	3 278	3 645

**Table 11 – Details of liabilities in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current liabilities				Non-current liabilities			Total liabilities	Owners' equity	Equity and liabilities
	Creditors	Overdraft	Other	Total	Long-term loans	Other	Total			
	R million									
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>66 104</b>	<b>7 403</b>	<b>35 971</b>	<b>109 478</b>	<b>42 343</b>	<b>33 696</b>	<b>76 039</b>	<b>185 517</b>	<b>112 277</b>	<b>297 794</b>
Manufacture of coke oven products	588	17	15	620	558	133	691	1 311	658	1 969
Manufacture of petrol, fuel oils and other petroleum products	34 007	981	15 049	50 037	9 135	16 552	25 687	75 724	47 818	123 542
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	3 736	1 317	2 570	7 623	9 179	3 383	12 562	20 185	12 375	32 560
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	7 352	244	2 444	10 040	11 127	3 493	14 620	24 660	9 836	34 496
Manufacture of pesticides and other agro-chemical products	337	21	162	520	34	61	95	615	661	1 276
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	1 874	111	679	2 664	1 670	657	2 327	4 991	4 327	9 318
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	3 027	111	4 732	7 870	538	3 467	4 005	11 875	10 683	22 558
Manufacture of soap and detergents, perfumes and toilet preparations	5 158	2 341	1 635	9 134	3 830	1 711	5 541	14 675	12 136	26 811
Manufacture of other chemical products	2 248	18	4 265	6 531	1 560	944	2 504	9 035	2 583	11 618
Manufacture of man-made fibres and of other rubber products	1 902	348	1 099	3 349	803	505	1 308	4 657	2 240	6 897
Manufacture of rubber tyres and tubes and retreading of tyres	571	86	168	825	697	243	940	1 765	853	2 618
Manufacture of plastic products	5 304	1 808	3 153	10 265	3 212	2 547	5 759	16 024	8 107	24 131
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>7 298</b>	<b>1 193</b>	<b>6 531</b>	<b>15 022</b>	<b>14 302</b>	<b>22 668</b>	<b>36 970</b>	<b>51 992</b>	<b>8 402</b>	<b>60 394</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	1 802	91	2 869	4 762	6 216	3 158	9 374	14 136	1 935	16 071
Manufacture of refractory ceramic products	669	44	253	966	76	218	294	1 260	1 340	2 600
Manufacture of structural non-refractory clay and ceramic products	501	207	602	1 310	329	452	781	2 091	1 767	3 858
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	3 557	654	2 490	6 701	7 545	18 709	26 254	32 955	2 557	35 512
Cutting and shaping of stone	85	11	16	112	40	23	63	175	172	347
Manufacture of other non-metallic mineral products	684	186	301	1 171	96	108	204	1 375	631	2 006

**Table 11 – Details of liabilities in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current liabilities				Non-current liabilities			Total liabilities	Owners' equity	Equity and liabilities
	Creditors	Overdraft	Other	Total	Long-term loans	Other	Total			
	R million									
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>47 616</b>	<b>8 240</b>	<b>34 525</b>	<b>90 381</b>	<b>26 859</b>	<b>25 833</b>	<b>52 692</b>	<b>143 073</b>	<b>119 384</b>	<b>262 457</b>
Manufacture of basic iron and steel and of primary iron and steel products	9 078	997	4 733	14 808	8 684	6 646	15 330	30 138	37 148	67 286
Manufacture of basic precious and non-ferrous metals	8 705	297	10 230	19 232	566	6 804	7 370	26 602	35 940	62 542
Casting of iron and steel	1 355	63	691	2 109	6 673	754	7 427	9 536	-2 695	6 841
Casting of non-ferrous metals	75	21	45	141	63	34	97	238	151	389
Manufacture of structural metal products	4 623	2 237	2 808	9 668	2 223	1 941	4 164	13 832	6 701	20 533
Manufacture of tanks, reservoirs and similar containers of metal	291	23	45	359	49	30	79	438	482	920
Manufacture of steam generators, except central heating water boilers	75	4	150	229	105	46	151	380	155	535
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	254	116	259	629	66	113	179	808	185	993
Treatment and coating of metals; general mechanical engineering	1 510	292	468	2 270	1 237	563	1 800	4 070	4 326	8 396
Manufacture of cutlery, hand tools and general hardware	740	81	200	1 021	163	158	321	1 342	1 243	2 585
Manufacture of other fabricated metal products	5 666	2 826	4 099	12 591	3 053	3 187	6 240	18 831	10 635	29 466
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	185	7	100	292	6	74	80	372	501	873
Manufacture of pumps, compressors, taps and valves	1 533	92	953	2 578	542	658	1 200	3 778	2 217	5 995
Manufacture of bearings, gears, gearing and driving elements	259	39	155	453	140	219	359	812	695	1 507
Manufacture of ovens, furnaces and furnace burners	50	3	79	132	10	14	24	156	115	271
Manufacture of lifting and handling equipment	713	55	317	1 085	160	150	310	1 395	1 803	3 198
Manufacture of other general purpose machinery	2 606	408	2 608	5 622	541	908	1 449	7 071	4 493	11 564
Manufacture of agricultural and forestry machinery	296	70	51	417	159	133	292	709	914	1 623
Manufacture of machine tools	257	43	414	714	102	159	261	975	51	1 026
Manufacture of machinery for mining, quarrying, construction and metallurgy	4 452	139	1 218	5 809	564	1 193	1 757	7 566	7 040	14 606

**Table 11 – Details of liabilities in the manufacturing industry, 2011 (continued)**

Type of manufacture	Current liabilities				Non-current liabilities			Total liabilities	Owners' equity	Equity and liabilities
	Creditors	Overdraft	Other	Total	Long-term loans	Other	Total			
	R million									
Manufacture of machinery for food, beverage and tobacco processing	818	16	401	1 235	62	373	435	1 670	565	2 235
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	2 054	87	3 793	5 934	568	1 064	1 632	7 566	4 446	12 012
Manufacture of household appliances	954	26	281	1 261	855	401	1 256	2 517	1 239	3 756
Manufacture of office, accounting and computing machinery	1 067	298	427	1 792	268	211	479	2 271	1 034	3 305
<b>Division 36 - Electrical machinery and apparatus</b>	<b>8 487</b>	<b>535</b>	<b>2 823</b>	<b>11 845</b>	<b>5 775</b>	<b>2 031</b>	<b>7 806</b>	<b>19 651</b>	<b>15 199</b>	<b>34 850</b>
Manufacture of electric motors, generators and transformers	2 667	76	865	3 608	3 969	1 280	5 249	8 857	4 436	13 293
Manufacture of electricity distribution and control apparatus	2 460	74	476	3 010	338	102	440	3 450	1 694	5 144
Manufacture of insulated wire and cable	1 316	60	185	1 561	166	152	318	1 879	4 227	6 106
Manufacture of accumulators, primary cells and batteries and lighting equipment	636	284	154	1 074	893	229	1 122	2 196	1 466	3 662
Manufacture of other electrical equipment	1 408	41	1 143	2 592	409	268	677	3 269	3 376	6 645
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>1 929</b>	<b>354</b>	<b>1 950</b>	<b>4 233</b>	<b>646</b>	<b>670</b>	<b>1 316</b>	<b>5 549</b>	<b>4 158</b>	<b>9 707</b>
Manufacture of electronic valves and tubes and other electronic components	161	23	47	231	46	56	102	333	516	849
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	920	262	851	2 033	336	393	729	2 762	1 467	4 229
Manufacture of medical and surgical equipment and orthopaedic appliances	234	43	297	574	133	94	227	801	1 006	1 807
Manufacture of instruments and appliances for measuring, testing and navigating	383	12	525	920	78	54	132	1 052	754	1 806
Manufacture of industrial process control equipment	28	11	16	55	11	12	23	78	74	152
Manufacture of watches and clocks, optical instruments and photographic equipment	203	3	214	420	42	61	103	523	341	864

**Table 11 – Details of liabilities in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Current liabilities				Non-current liabilities			Total liabilities	Owners' equity	Equity and liabilities
	Creditors	Overdraft	Other	Total	Long-term loans	Other	Total			
	R million									
<b>Division 38 - Transport equipment</b>	<b>28 111</b>	<b>2 825</b>	<b>30 556</b>	<b>61 492</b>	<b>15 682</b>	<b>14 248</b>	<b>29 930</b>	<b>91 422</b>	<b>47 797</b>	<b>139 219</b>
Manufacture of motor vehicles	16 100	1 390	20 776	38 266	10 950	10 303	21 253	59 519	31 300	90 819
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	1 860	386	823	3 069	849	440	1 289	4 358	2 218	6 576
Manufacture of parts for motor vehicles and their engines	5 790	671	4 649	11 110	1 533	1 202	2 735	13 845	10 447	24 292
Building and repairing of ships	157	1	162	320	51	162	213	533	147	680
Building and repairing of pleasure and sporting boats	135	9	198	342	48	6	54	396	51	447
Manufacture of railway and tramway locomotives and rolling stock	3 263	241	1 402	4 906	209	1 788	1 997	6 903	4 841	11 744
Manufacture of aircraft	627	112	2 457	3 196	1 890	174	2 064	5 260	-983	4 277
Manufacture of other transport equipment	179	15	89	283	152	173	325	608	-224	384
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>11 215</b>	<b>930</b>	<b>11 225</b>	<b>23 370</b>	<b>6 387</b>	<b>1 566</b>	<b>7 953</b>	<b>31 323</b>	<b>1 972</b>	<b>33 295</b>
Manufacture of furniture	1 720	291	607	2 618	1 945	485	2 430	5 048	2 330	7 378
Manufacture of jewellery and related articles	1 849	201	794	2 844	1 386	126	1 512	4 356	1 090	5 446
Manufacture of musical instruments, sports goods, games and toys	52	7	28	87	59	40	99	186	87	273
Other manufacturing, including manufacturing of tobacco and tobacco products	6 845	260	9 346	16 451	1 071	812	1 883	18 334	-4 125	14 209
Recycling of waste and scrap	749	171	450	1 370	1 926	103	2 029	3 399	2 590	5 989
<b>Total</b>	<b>232 590</b>	<b>30 894</b>	<b>167 814</b>	<b>431 298</b>	<b>146 821</b>	<b>134 475</b>	<b>281 296</b>	<b>712 594</b>	<b>412 093</b>	<b>1 124 687</b>

**Table 12 – Details of capital expenditure on new assets in the manufacturing industry, 2011**

Type of manufacture	Land, buildings and construction	Plant, machinery, computers and other equipment	Motor vehicles	Other capital expenditure	Total capital expenditure on new assets
	R million				
<b>Division 30 - Food products and beverages</b>	<b>2 662</b>	<b>7 479</b>	<b>890</b>	<b>475</b>	<b>11 506</b>
Production, processing and preserving of meat and meat products	110	220	106	2	438
Processing and preserving of fish and fish products	2	12	17	26	57
Processing and preserving of fruit and vegetables	83	279	25	1	388
Manufacture of vegetable and animal oils and fats	196	267	14	118	595
Manufacture of dairy products	143	457	107	58	765
Manufacture of grain mill products, starches and starch products	404	800	162	46	1 412
Manufacture of prepared animal feeds	134	214	45	4	397
Manufacture of bakery products	75	531	44	9	659
Manufacture of sugar, cocoa, chocolate and sugar confectionery	622	766	93	25	1 506
Manufacture of other food products	294	868	67	37	1 266
Manufacture of alcoholic and non-alcoholic beverages	599	3 065	210	149	4 023
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>199</b>	<b>628</b>	<b>184</b>	<b>39</b>	<b>1 050</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	39	112	10	1	162
Manufacture of made-up textile articles, except apparel	11	95	30	14	150
Manufacture of carpets, rugs and mats	82	8	3	0	93
Manufacture of cordage, rope, twine and netting	7	10	3	0	20
Manufacture of other textiles	3	90	37	5	135
Manufacture of knitted and crocheted fabrics and articles	2	72	8	1	83
Manufacture of wearing apparel, except fur apparel	31	155	72	18	276
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	10	41	9	0	60
Manufacture of luggage, handbags and the like, saddlery and harness	12	7	2	0	21
Manufacture of footwear	2	38	10	0	50

**Table 12 – Details of capital expenditure on new assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Land, buildings and construction	Plant, machinery, computers and other equipment	Motor vehicles	Other capital expenditure	Total capital expenditure on new assets
	R million				
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>828</b>	<b>3 602</b>	<b>345</b>	<b>657</b>	<b>5 432</b>
Sawmilling and planing of wood	77	92	44	11	224
Manufacture of veneer sheets, plywood and other boards	34	46	7	0	87
Manufacture of builders' carpentry and joinery	8	41	36	1	86
Manufacture of wooden containers	2	12	10	1	25
Manufacture of other products of wood, articles of cork, straw and plaiting materials	7	30	22	2	61
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	128	665	26	109	928
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	252	993	39	3	1 287
Publishing of books, brochures, musical books and other publications	17	50	9	127	203
Publishing of newspapers, journals and periodicals	3	107	55	57	222
Publishing of recorded media and other publishing	2	18	2	0	22
Printing	294	1 455	94	33	1 876
Service activities related to printing and reproduction of recorded media	4	93	1	313	411
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>8 372</b>	<b>15 335</b>	<b>681</b>	<b>727</b>	<b>25 115</b>
Manufacture of coke oven products	6	39	13	1	59
Manufacture of petrol, fuel oils and other petroleum products	3 331	9 353	114	211	13 009
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	344	986	50	7	1 387
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	951	959	33	23	1 966
Manufacture of pesticides and other agro-chemical products	1	25	6	3	35
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	16	162	81	19	278
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	811	517	16	174	1 518
Manufacture of soap and detergents, perfumes and toilet preparations	2 480	721	68	279	3 548
Manufacture of other chemical products	168	393	45	8	614
Manufacture of man-made fibres and of other rubber products	108	270	15	0	393
Manufacture of rubber tyres and tubes and retreading of tyres	18	76	25	0	119
Manufacture of plastic products	138	1 834	215	2	2 189

**Table 12 – Details of capital expenditure on new assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Land, buildings and construction	Plant, machinery, computers and other equipment	Motor vehicles	Other capital expenditure	Total capital expenditure on new assets
	R million				
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>596</b>	<b>2 153</b>	<b>314</b>	<b>82</b>	<b>3 145</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	316	911	95	6	1 328
Manufacture of refractory ceramic products	1	37	20	5	63
Manufacture of structural non-refractory clay and ceramic products	18	193	31	16	258
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	235	961	148	55	1 399
Cutting and shaping of stone	0	2	7	0	9
Manufacture of other non-metallic mineral products	26	49	13	0	88
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>5 238</b>	<b>4 485</b>	<b>1 129</b>	<b>396</b>	<b>11 248</b>
Manufacture of basic iron and steel and of primary iron and steel products	1 456	839	57	20	2 372
Manufacture of basic precious and non-ferrous metals	577	612	13	0	1 202
Casting of iron and steel	223	93	7	1	324
Casting of non-ferrous metals	1	6	2	3	12
Manufacture of structural metal products	1 800	404	186	23	2 413
Manufacture of tanks, reservoirs and similar containers of metal	1	17	5	1	24
Manufacture of steam generators, except central heating water boilers	84	31	11	2	128
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	1	26	5	0	32
Treatment and coating of metals; general mechanical engineering	105	282	133	69	589
Manufacture of cutlery, hand tools and general hardware	15	75	12	0	102
Manufacture of other fabricated metal products	630	536	109	18	1 293
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	11	18	11	0	40
Manufacture of pumps, compressors, taps and valves	75	224	58	5	362
Manufacture of bearings, gears, gearing and driving elements	1	48	11	0	60
Manufacture of ovens, furnaces and furnace burners	2	1	3	1	7
Manufacture of lifting and handling equipment	5	70	35	2	112
Manufacture of other general purpose machinery	46	275	175	15	511
Manufacture of agricultural and forestry machinery	41	34	46	0	121
Manufacture of machine tools	2	42	7	1	52
Manufacture of machinery for mining, quarrying, construction and metallurgy	59	433	127	189	808
Manufacture of machinery for food, beverage and tobacco processing	0	32	13	1	46



**Table 12 – Details of capital expenditure on new assets in the manufacturing industry, 2011 (continued)**

Type of manufacture	Land, buildings and construction	Plant, machinery, computers and other equipment	Motor vehicles	Other capital expenditure	Total capital expenditure on new assets
	R million				
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	81	300	92	27	500
Manufacture of household appliances	19	54	8	3	84
Manufacture of office, accounting and computing machinery	3	33	3	15	54
<b>Division 36 - Electrical machinery and apparatus</b>	<b>181</b>	<b>599</b>	<b>109</b>	<b>115</b>	<b>1 004</b>
Manufacture of electric motors, generators and transformers	54	163	39	74	330
Manufacture of electricity distribution and control apparatus	13	64	20	3	100
Manufacture of insulated wire and cable	69	98	13	1	181
Manufacture of accumulators, primary cells and batteries and lighting equipment	24	91	17	1	133
Manufacture of other electrical equipment	21	183	20	36	260
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>19</b>	<b>243</b>	<b>35</b>	<b>138</b>	<b>435</b>
Manufacture of electronic valves and tubes and other electronic components	3	30	2	21	56
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	4	64	5	93	166
Manufacture of medical and surgical equipment and orthopaedic appliances	0	52	16	2	70
Manufacture of instruments and appliances for measuring, testing and navigating	8	57	11	21	97
Manufacture of industrial process control equipment	0	5	0	0	5
Manufacture of watches and clocks, optical instruments and photographic equipment	4	35	1	1	41
<b>Division 38 - Transport equipment</b>	<b>3 433</b>	<b>3 483</b>	<b>1 021</b>	<b>568</b>	<b>8 505</b>
Manufacture of motor vehicles	2 414	2 492	722	235	5 863
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	136	98	81	226	541
Manufacture of parts for motor vehicles and their engines	366	658	100	36	1 160
Building and repairing of ships	2	16	1	0	19
Building and repairing of pleasure and sporting boats	31	20	0	0	51
Manufacture of railway and tramway locomotives and rolling stock	473	105	106	12	696
Manufacture of aircraft	8	53	9	57	127
Manufacture of other transport equipment	3	41	2	2	48

**Table 12 – Details of capital expenditure on new assets in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Land, buildings and construction	Plant, machinery, computers and other equipment	Motor vehicles	Other capital expenditure	Total capital expenditure on new assets
	R million				
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>237</b>	<b>867</b>	<b>459</b>	<b>58</b>	<b>1 621</b>
Manufacture of furniture	72	215	111	6	404
Manufacture of jewellery and related articles	51	62	6	0	119
Manufacture of musical instruments, sports goods, games and toys	0	31	7	2	40
Other manufacturing, including manufacturing of tobacco and tobacco products	68	372	246	22	708
Recycling of waste and scrap	46	187	89	28	350
<b>Total</b>	<b>21 765</b>	<b>38 874</b>	<b>5 167</b>	<b>3 255</b>	<b>69 061</b>

**Table 13 – Employment in the manufacturing industry at the end of June, 2011**

Type of manufacture	Male	Female	Total employees
<b>Division 30 - Food products and beverages</b>	<b>147 609</b>	<b>79 233</b>	<b>226 842</b>
Production, processing and preserving of meat and meat products	20 818	13 218	34 036
Processing and preserving of fish and fish products	2 307	2 200	4 507
Processing and preserving of fruit and vegetables	7 456	11 263	18 719
Manufacture of vegetable and animal oils and fats	2 658	1 217	3 875
Manufacture of dairy products	14 953	5 581	20 534
Manufacture of grain mill products, starches and starch products	18 978	8 116	27 094
Manufacture of prepared animal feeds	12 152	1 393	13 545
Manufacture of bakery products	13 744	9 211	22 955
Manufacture of sugar, cocoa, chocolate and sugar confectionery	13 428	6 729	20 157
Manufacture of other food products	14 861	11 738	26 599
Manufacture of alcoholic and non-alcoholic beverages	26 254	8 567	34 821
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>45 525</b>	<b>81 767</b>	<b>127 292</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	4 899	2 977	7 876
Manufacture of made-up textile articles, except apparel	6 773	8 330	15 103
Manufacture of carpets, rugs and mats	1 984	1 281	3 265
Manufacture of cordage, rope, twine and netting	626	397	1 023
Manufacture of other textiles	5 928	5 678	11 606
Manufacture of knitted and crocheted fabrics and articles	2 152	3 501	5 653
Manufacture of wearing apparel, except fur apparel	12 543	48 636	61 179
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	3 515	1 096	4 611
Manufacture of luggage, handbags and the like, saddlery and harness	1 426	2 264	3 690
Manufacture of footwear	5 679	7 607	13 286
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>90 070</b>	<b>48 453</b>	<b>138 523</b>
Sawmilling and planing of wood	14 067	9 236	23 303
Manufacture of veneer sheets, plywood and other boards	3 567	1 116	4 683
Manufacture of builders' carpentry and joinery	8 106	2 416	10 522
Manufacture of wooden containers	3 053	626	3 679
Manufacture of other products of wood, articles of cork, straw and plaiting materials	7 884	2 699	10 583
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	11 277	4 110	15 387
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	14 377	5 518	19 895
Publishing of books, brochures, musical books and other publications	2 009	3 659	5 668
Publishing of newspapers, journals and periodicals	8 133	7 694	15 827
Publishing of recorded media and other publishing	377	298	675
Printing	16 311	10 286	26 597
Service activities related to printing and reproduction of recorded media	909	795	1 704

**Table 13 – Employment in the manufacturing industry at the end of June 2011 (continued)**

Type of manufacture	Male	Female	Total employees
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>119 968</b>	<b>52 005</b>	<b>171 973</b>
Manufacture of coke oven products	916	137	1 053
Manufacture of petrol, fuel oils and other petroleum products	15 075	4 381	19 456
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	8 095	2 790	10 885
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	9 245	3 372	12 617
Manufacture of pesticides and other agro-chemical products	934	679	1 613
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	8 117	2 925	11 042
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	9 123	8 036	17 159
Manufacture of soap and detergents, perfumes and toilet preparations	10 695	7 242	17 937
Manufacture of other chemical products	8 441	2 499	10 940
Manufacture of man-made fibres and of other rubber products	7 157	738	7 895
Manufacture of rubber tyres and tubes and retreading of tyres	3 786	1 377	5 163
Manufacture of plastic products	38 384	17 829	56 213
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>45 580</b>	<b>17 770</b>	<b>63 350</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	11 963	3 249	15 212
Manufacture of refractory ceramic products	3 876	790	4 666
Manufacture of structural non-refractory clay and ceramic products	7 144	6 700	13 844
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	19 270	5 798	25 068
Cutting and shaping of stone	914	296	1 210
Manufacture of other non-metallic mineral products	2 413	937	3 350

**Table 13 – Employment in the manufacturing industry at the end of June 2011 (continued)**

Type of manufacture	Male	Female	Total employees
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>253 253</b>	<b>54 947</b>	<b>308 200</b>
Manufacture of basic iron and steel and of primary iron and steel products	28 207	4 339	32 546
Manufacture of basic precious and non-ferrous metals	16 666	3 679	20 345
Casting of iron and steel	12 762	881	13 643
Casting of non-ferrous metals	1 096	183	1 279
Manufacture of structural metal products	32 632	7 514	40 146
Manufacture of tanks, reservoirs and similar containers of metal	2 725	336	3 061
Manufacture of steam generators, except central heating water boilers	1 161	162	1 323
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	1 799	677	2 476
Treatment and coating of metals; general mechanical engineering	24 766	5 383	30 149
Manufacture of cutlery, hand tools and general hardware	5 256	1 428	6 684
Manufacture of other fabricated metal products	37 378	8 525	45 903
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 537	421	1 958
Manufacture of pumps, compressors, taps and valves	8 308	2 699	11 007
Manufacture of bearings, gears, gearing and driving elements	1 681	342	2 023
Manufacture of ovens, furnaces and furnace burners	579	152	731
Manufacture of lifting and handling equipment	5 904	1 295	7 199
Manufacture of other general purpose machinery	20 601	4 787	25 388
Manufacture of agricultural and forestry machinery	3 979	832	4 811
Manufacture of machine tools	2 832	467	3 299
Manufacture of machinery for mining, quarrying, construction and metallurgy	17 886	3 272	21 158
Manufacture of machinery for food, beverage and tobacco processing	1 850	352	2 202
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	15 910	4 634	20 544
Manufacture of household appliances	5 562	1 614	7 176
Manufacture of office, accounting and computing machinery	2 176	973	3 149
<b>Division 36 - Electrical machinery and apparatus</b>	<b>36 395</b>	<b>13 534</b>	<b>49 929</b>
Manufacture of electric motors, generators and transformers	10 800	3 002	13 802
Manufacture of electricity distribution and control apparatus	6 663	1 703	8 366
Manufacture of insulated wire and cable	5 154	1 099	6 253
Manufacture of accumulators, primary cells and batteries and lighting equipment	5 143	1 490	6 633
Manufacture of other electrical equipment	8 635	6 240	14 875

**Table 13 – Employment in the manufacturing industry at the end of June 2011 (concluded)**

Type of manufacture	Male	Female	Total employees
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>10 212</b>	<b>6 754</b>	<b>16 966</b>
Manufacture of electronic valves and tubes and other electronic components	1 310	973	2 283
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	3 074	1 291	4 365
Manufacture of medical and surgical equipment and orthopaedic appliances	2 279	2 807	5 086
Manufacture of instruments and appliances for measuring, testing and navigating	2 570	1 278	3 848
Manufacture of industrial process control equipment	252	60	312
Manufacture of watches and clocks, optical instruments and photographic equipment	727	345	1 072
<b>Division 38 - Transport equipment</b>	<b>96 636</b>	<b>24 103</b>	<b>120 739</b>
Manufacture of motor vehicles	30 714	6 216	36 930
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	13 729	2 430	16 159
Manufacture of parts for motor vehicles and their engines	24 565	10 068	34 633
Building and repairing of ships	1 591	231	1 822
Building and repairing of pleasure and sporting boats	835	658	1 493
Manufacture of railway and tramway locomotives and rolling stock	16 771	2 962	19 733
Manufacture of aircraft	6 083	1 319	7 402
Manufacture of other transport equipment	2 348	219	2 567
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>55 790</b>	<b>24 985</b>	<b>80 775</b>
Manufacture of furniture	26 011	9 136	35 147
Manufacture of jewellery and related articles	3 175	3 401	6 576
Manufacture of musical instruments, sports goods, games and toys	1 228	479	1 707
Other manufacturing, including manufacturing of tobacco and tobacco products	19 676	10 398	30 074
Recycling of waste and scrap	5 700	1 571	7 271
<b>Total</b>	<b>901 038</b>	<b>403 551</b>	<b>1 304 589</b>

**Table 14 – Employment by enterprise size in the manufacturing industry, 2011**

Type of manufacture	Large enterprises	Medium Enterprises	Small and micro enterprises	Total employees
<b>Division 30 - Food products and beverages</b>	<b>163 210</b>	<b>31 413</b>	<b>32 219</b>	<b>226 842</b>
Production, processing and preserving of meat and meat products	21 815	5 074	7 147	34 036
Processing and preserving of fish and fish products	2 746	607	1 154	4 507
Processing and preserving of fruit and vegetables	10 095	4 694	3 930	18 719
Manufacture of vegetable and animal oils and fats	3 516	70	289	3 875
Manufacture of dairy products	16 020	1 953	2 561	20 534
Manufacture of grain mill products, starches and starch products	24 281	1 673	1 140	27 094
Manufacture of prepared animal feeds	10 853	1 544	1 148	13 545
Manufacture of bakery products	11 779	4 509	6 667	22 955
Manufacture of sugar, cocoa, chocolate and sugar confectionery	18 059	697	1 401	20 157
Manufacture of other food products	17 109	7 078	2 412	26 599
Manufacture of alcoholic and non-alcoholic beverages	26 937	3 514	4 370	34 821
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>38 351</b>	<b>37 043</b>	<b>51 898</b>	<b>127 292</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	2 527	3 479	1 870	7 876
Manufacture of made-up textile articles, except apparel	4 714	3 462	6 927	15 103
Manufacture of carpets, rugs and mats	884	1 135	1 246	3 265
Manufacture of cordage, rope, twine and netting	0	486	537	1 023
Manufacture of other textiles	1 071	2 996	7 539	11 606
Manufacture of knitted and crocheted fabrics and articles	858	3 171	1 624	5 653
Manufacture of wearing apparel, except fur apparel	22 357	16 574	22 248	61 179
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	2 977	416	1 218	4 611
Manufacture of luggage, handbags and the like, saddlery and harness	0	807	2 883	3 690
Manufacture of footwear	2 962	4 518	5 806	13 286
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>56 552</b>	<b>29 579</b>	<b>52 392</b>	<b>138 523</b>
Sawmilling and planing of wood	7 466	5 594	10 243	23 303
Manufacture of veneer sheets, plywood and other boards	3 295	1 286	102	4 683
Manufacture of builders' carpentry and joinery	3 880	2 416	4 226	10 522
Manufacture of wooden containers	125	1 441	2 113	3 679
Manufacture of other products of wood, articles of cork, straw and plaiting materials	0	1 691	8 892	10 583
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	7 643	3 003	4 741	15 387
Manufacture of corrugated paper and paperboard and of containers thereof	11 359	4 149	4 387	19 895
Publishing of books, brochures, musical books and other publications	2 929	914	1 825	5 668
Publishing of newspapers, journals and periodicals	9 162	1 636	5 029	15 827
Publishing of recorded media and other publishing	34	240	401	675
Printing	10 317	6 822	9 458	26 597
Service activities related to printing and reproduction of recorded media	342	387	975	1 704

**Table 14 – Employment by enterprise size in the manufacturing industry, 2011 (continued)**

Type of manufacture	Large enterprises	Medium Enterprises	Small and micro enterprises	Total employees
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>99 182</b>	<b>37 647</b>	<b>35 144</b>	<b>171 973</b>
Manufacture of coke oven products	720	250	83	1 053
Manufacture of petrol, fuel oils and other petroleum products	15 358	3 507	591	19 456
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	9 058	713	1 114	10 885
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	8 443	2 040	2 134	12 617
Manufacture of pesticides and other agro-chemical products	844	262	507	1 613
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	5 733	2 472	2 837	11 042
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	11 322	3 339	2 498	17 159
Manufacture of soap and detergents, perfumes and toilet preparations	9 611	2 818	5 508	17 937
Manufacture of other chemical products	8 710	1 651	579	10 940
Manufacture of man-made fibres and of other rubber products	6 627	662	606	7 895
Manufacture of rubber tyres and tubes and retreading of tyres	879	2 428	1 856	5 163
Manufacture of plastic products	21 877	17 505	16 831	56 213
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>26 575</b>	<b>12 692</b>	<b>24 083</b>	<b>63 350</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	8 372	1 073	5 767	15 212
Manufacture of refractory ceramic products	2 090	418	2 158	4 666
Manufacture of structural non-refractory clay and ceramic products	2 979	3 914	6 951	13 844
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	11 573	6 007	7 488	25 068
Cutting and shaping of stone	65	376	769	1 210
Manufacture of other non-metallic mineral products	1 496	904	950	3 350



**Table 14 – Employment by enterprise size in the manufacturing industry, 2011 (continued)**

Type of manufacture	Large enterprises	Medium Enterprises	Small and micro enterprises	Total employees
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>123 874</b>	<b>62 607</b>	<b>121 719</b>	<b>308 200</b>
Manufacture of basic iron and steel and of primary iron and steel products	19 648	3 071	9 827	32 546
Manufacture of basic precious and non-ferrous metals	10 783	1 347	8 215	20 345
Casting of iron and steel	10 875	2 092	676	13 643
Casting of non-ferrous metals	0	940	339	1 279
Manufacture of structural metal products	15 941	9 582	14 623	40 146
Manufacture of tanks, reservoirs and similar containers of metal	1 184	978	899	3 061
Manufacture of steam generators, except central heating water boilers	0	495	828	1 323
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	1 189	960	327	2 476
Treatment and coating of metals; general mechanical engineering	587	5 347	24 215	30 149
Manufacture of cutlery, hand tools and general hardware	2 242	1 528	2 914	6 684
Manufacture of other fabricated metal products	22 724	8 624	14 555	45 903
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	358	890	710	1 958
Manufacture of pumps, compressors, taps and valves	4 414	3 538	3 055	11 007
Manufacture of bearings, gears, gearing and driving elements	536	1 009	478	2 023
Manufacture of ovens, furnaces and furnace burners	107	290	334	731
Manufacture of lifting and handling equipment	1 593	2 702	2 904	7 199
Manufacture of other general purpose machinery	5 881	5 352	14 155	25 388
Manufacture of agricultural and forestry machinery	235	1 320	3 256	4 811
Manufacture of machine tools	819	1 090	1 390	3 299
Manufacture of machinery for mining, quarrying, construction and metallurgy	9 721	4 277	7 160	21 158
Manufacture of machinery for food, beverage and tobacco processing	1 067	442	693	2 202
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	6 939	4 581	9 024	20 544
Manufacture of household appliances	5 639	821	716	7 176
Manufacture of office, accounting and computing machinery	1 393	1 330	426	3 149
<b>Division 36 - Electrical machinery and apparatus</b>	<b>31 036</b>	<b>10 250</b>	<b>8 643</b>	<b>49 929</b>
Manufacture of electric motors, generators and transformers	9 390	2 179	2 233	13 802
Manufacture of electricity distribution and control apparatus	4 301	2 528	1 537	8 366
Manufacture of insulated wire and cable	5 118	569	566	6 253
Manufacture of accumulators, primary cells and batteries and lighting equipment	3 981	1 695	957	6 633
Manufacture of other electrical equipment	8 246	3 279	3 350	14 875

**Table 14 – Employment by enterprise size in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Large enterprises	Medium Enterprises	Small and micro enterprises	Total employees
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>6 350</b>	<b>4 873</b>	<b>5 743</b>	<b>16 966</b>
Manufacture of electronic valves and tubes and other electronic components	7	1 684	592	2 283
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	2 853	797	715	4 365
Manufacture of medical and surgical equipment and orthopaedic appliances	1 030	972	3 084	5 086
Manufacture of instruments and appliances for measuring, testing and navigating	2 042	1 093	713	3 848
Manufacture of industrial process control equipment	0	224	88	312
Manufacture of watches and clocks, optical instruments and photographic equipment	419	102	551	1 072
<b>Division 38 - Transport equipment</b>	<b>77 375</b>	<b>17 760</b>	<b>25 604</b>	<b>120 739</b>
Manufacture of motor vehicles	27 083	4 796	5 051	36 930
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	8 406	4 613	3 140	16 159
Manufacture of parts for motor vehicles and their engines	18 693	4 818	11 122	34 633
Building and repairing of ships	377	661	784	1 822
Building and repairing of pleasure and sporting boats	769	288	436	1 493
Manufacture of railway and tramway locomotives and rolling stock	17 705	757	1 271	19 733
Manufacture of aircraft	4 209	1 744	1 449	7 402
Manufacture of other transport equipment	133	83	2 351	2 567
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>22 346</b>	<b>13 189</b>	<b>45 240</b>	<b>80 775</b>
Manufacture of furniture	9 589	7 454	18 104	35 147
Manufacture of jewellery and related articles	2 410	971	3 195	6 576
Manufacture of musical instruments, sports goods, games and toys	0	0	1 707	1 707
Other manufacturing, including manufacturing of tobacco and tobacco products	5 360	3 473	21 241	30 074
Recycling of waste and scrap	4 989	1 291	992	7 271
<b>Total</b>	<b>644 851</b>	<b>257 053</b>	<b>402 685</b>	<b>1 304 589</b>

**Table 15 – Employment by employee status in the manufacturing industry, 2011**

Type of manufacture	Permanent employees			Temporary employees			Casual employees			Total
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
Division 30 - Food products and beverages	124 578	66 630	191 208	17 585	9 343	26 928	5 446	3 260	8 706	<b>226 842</b>
Division 31 - Textiles, clothing, leather and footwear	39 224	72 916	112 140	4 829	6 051	10 880	1 472	2 800	4 272	<b>127 292</b>
Division 32 - Wood, wood products, paper, publishing and printing	83 309	43 445	126 754	5 231	3 988	9 219	1 530	1 020	2 550	<b>138 523</b>
Division 33 - Coke, petroleum, chemical products, rubber and plastic	110 289	45 439	155 728	7 186	5 200	12 386	2 493	1 366	3 859	<b>171 973</b>
Division 34 - Glass and other non-metallic mineral products	41 072	14 548	55 620	3 105	2 945	6 050	1 403	277	1 680	<b>63 350</b>
Division 35 - Metals, metal products, machinery and equipment	234 180	51 978	286 158	16 336	2 336	18 672	2 737	633	3 370	<b>308 200</b>
Division 36 - Electrical machinery and apparatus	32 327	12 460	44 787	3 582	932	4 514	486	142	628	<b>49 929</b>
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	9 395	5 845	15 240	497	527	1 024	320	382	702	<b>16 966</b>
Division 38 - Transport equipment	87 383	21 747	109 130	8 265	1 745	10 010	988	611	1 599	<b>120 739</b>
Division 39 - Furniture, other manufacturing and recycling	52 090	23 694	75 784	2 931	657	3 588	769	634	1 403	<b>80 775</b>
<b>Total</b>	<b>813 847</b>	<b>358 702</b>	<b>1 172 549</b>	<b>69 547</b>	<b>33 724</b>	<b>103 271</b>	<b>17 644</b>	<b>11 125</b>	<b>28 769</b>	<b>1 304 589</b>

**Table 16 – Imports and exports in the manufacturing industry, 2011**

Type of manufacture	Value of goods imported	Value of goods exported
	R million	
<b>Division 30 - Food products and beverages</b>	<b>13 881</b>	<b>12 776</b>
Production, processing and preserving of meat and meat products	577	777
Processing and preserving of fish and fish products	440	716
Processing and preserving of fruit and vegetables	311	1 943
Manufacture of vegetable and animal oils and fats	3 184	374
Manufacture of dairy products	58	461
Manufacture of grain mill products, starches and starch products	2 880	1 128
Manufacture of prepared animal feeds	473	430
Manufacture of bakery products	2 965	44
Manufacture of sugar, cocoa, chocolate and sugar confectionery	442	834
Manufacture of other food products	948	1 649
Manufacture of alcoholic and non-alcoholic beverages	1 603	4 420
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>4 260</b>	<b>1 780</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	472	364
Manufacture of made-up textile articles, except apparel	687	192
Manufacture of carpets, rugs and mats	263	173
Manufacture of cordage, rope, twine and netting	19	25
Manufacture of other textiles	302	175
Manufacture of knitted and crocheted fabrics and articles	93	54
Manufacture of wearing apparel, except fur apparel	1 843	278
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	118	301
Manufacture of luggage, handbags and the like, saddlery and harness	30	44
Manufacture of footwear	433	174

**Table 16 – Imports and exports in the manufacturing industry, 2011 (continued)**

Type of manufacture	Value of goods imported	Value of goods exported
	R million	
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>4 823</b>	<b>8 856</b>
Sawmilling and planing of wood	11	1 877
Manufacture of veneer sheets, plywood and other boards	223	211
Manufacture of builders' carpentry and joinery	156	39
Manufacture of wooden containers	33	13
Manufacture of other products of wood, articles of cork, straw and plaiting materials	113	43
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	656	535
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	1 712	5 566
Publishing of books, brochures, musical books and other publications	261	157
Publishing of newspapers, journals and periodicals	12	5
Publishing of recorded media and other publishing	25	53
Printing	1 485	133
Service activities related to printing and reproduction of recorded media	136	224
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>75 604</b>	<b>56 075</b>
Manufacture of coke oven products	52	62
Manufacture of petrol, fuel oils and other petroleum products	60 613	27 300
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	2 069	14 666
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	1 561	4 853
Manufacture of pesticides and other agro-chemical products	278	718
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	775	597
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	623	942
Manufacture of soap and detergents, perfumes and toilet preparations	2 431	3 069
Manufacture of other chemical products	1 887	965
Manufacture of man-made fibres and of other rubber products	2 899	1 446
Manufacture of rubber tyres and tubes and retreading of tyres	452	160
Manufacture of plastic products	1 964	1 297
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>1 987</b>	<b>2 082</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	907	977
Manufacture of refractory ceramic products	621	122
Manufacture of structural non-refractory clay and ceramic products	85	224
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	162	431
Cutting and shaping of stone	4	14
Manufacture of other non-metallic mineral products	208	314

**Table 16 – Imports and exports in the manufacturing industry, 2011 (continued)**

Type of manufacture	Value of goods imported	Value of goods exported
	R million	
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>28 842</b>	<b>45 516</b>
Manufacture of basic iron and steel and of primary iron and steel products	5 607	16 948
Manufacture of basic precious and non-ferrous metals	11 208	13 553
Casting of iron and steel	101	810
Casting of non-ferrous metals	5	52
Manufacture of structural metal products	292	641
Manufacture of tanks, reservoirs and similar containers of metal	12	70
Manufacture of steam generators, except central heating water boilers	7	15
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	26	38
Treatment and coating of metals; general mechanical engineering	71	276
Manufacture of cutlery, hand tools and general hardware	560	496
Manufacture of other fabricated metal products	1 993	2 461
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	166	20
Manufacture of pumps, compressors, taps and valves	384	676
Manufacture of bearings, gears, gearing and driving elements	288	186
Manufacture of ovens, furnaces and furnace burners	10	120
Manufacture of lifting and handling equipment	167	426
Manufacture of other general purpose machinery	1 623	1 100
Manufacture of agricultural and forestry machinery	175	406
Manufacture of machine tools	111	80
Manufacture of machinery for mining, quarrying, construction and metallurgy	1 001	2 534
Manufacture of machinery for food, beverage and tobacco processing	467	695
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	714	3 526
Manufacture of household appliances	900	253
Manufacture of office, accounting and computing machinery	2 954	134
<b>Division 36 - Electrical machinery and apparatus</b>	<b>6 853</b>	<b>4 080</b>
Manufacture of electric motors, generators and transformers	934	740
Manufacture of electricity distribution and control apparatus	2 894	1 537
Manufacture of insulated wire and cable	769	366
Manufacture of accumulators, primary cells and batteries and lighting equipment	476	242
Manufacture of other electrical equipment	1 780	1 195

**Table 16 – Imports and exports in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Value of goods imported	Value of goods exported
	R million	
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>1 935</b>	<b>2 724</b>
Manufacture of electronic valves and tubes and other electronic components	75	123
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	1 066	1 478
Manufacture of medical and surgical equipment and orthopaedic appliances	233	153
Manufacture of instruments and appliances for measuring, testing and navigating	364	657
Manufacture of industrial process control equipment	14	14
Manufacture of watches and clocks, optical instruments and photographic equipment	183	299
<b>Division 38 - Transport equipment</b>	<b>38 647</b>	<b>54359</b>
Manufacture of motor vehicles	32 768	42 359
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	1 092	629
Manufacture of parts for motor vehicles and their engines	3 834	10246
Building and repairing of ships	20	48
Building and repairing of pleasure and sporting boats	3	252
Manufacture of railway and tramway locomotives and rolling stock	485	100
Manufacture of aircraft	429	492
Manufacture of other transport equipment	16	233
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>1 208</b>	<b>7 725</b>
Manufacture of furniture	250	199
Manufacture of jewellery and related articles	111	1 887
Manufacture of musical instruments, sports goods, games and toys	68	23
Other manufacturing, including manufacturing of tobacco and tobacco products	366	458
Recycling of waste and scrap	413	5 158
<b>Total</b>	<b>178 040</b>	<b>195973</b>

**Table 17 – Information and communication technology usage in the manufacturing industry, 2011**

Type of manufacture	Enterprises which use computers for business purposes	Enterprises which access financial services via the internet	Enterprises which have a web-page	Enterprises which receive orders via the internet	Enterprises which place orders via the internet	Enterprises whose information technology (IT) activities are out-sourced
	%					
Division 30 - Food products and beverages	95,4	90,8	41,1	33,6	30,6	39,2
Division 31 - Textiles, clothing, leather and footwear	99,9	99,6	37,1	37,0	31,4	41,5
Division 32 - Wood, wood products, paper, publishing and printing	99,6	98,8	38,0	41,5	33,0	40,8
Division 33 - Coke, petroleum, chemical products, rubber and plastic	99,8	99,6	56,3	40,1	31,8	49,1
Division 34 - Glass and other non-metallic mineral products	99,9	96,7	46,2	42,0	38,1	40,7
Division 35 - Metals, metal products, machinery and equipment	99,6	97,5	36,6	35,1	32,3	43,1
Division 36 - Electrical machinery and apparatus	100,0	100,0	62,4	60,3	50,2	36,0
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	100,0	99,9	55,6	33,3	44,1	25,9
Division 38 - Transport equipment	100,0	99,8	42,9	36,7	39,8	52,2
Division 39 - Furniture, other manufacturing and recycling	100,0	99,0	57,9	32,9	26,1	44,7
<b>All</b>	<b>99,6</b>	<b>98,3</b>	<b>44,3</b>	<b>37,2</b>	<b>32,5</b>	<b>42,6</b>



**Table 18 – Information and communication technology usage by size group in the manufacturing industry, 2011**

Size group	Enterprises which use computers for business purposes	Enterprises which access financial services via the internet	Enterprises which have a web-page	Enterprises which receive orders via the internet	Enterprises which place orders via the internet	Enterprises whose information technology (IT) activities are out-sourced
	%					
Large	96,3	95,0	76,3	30,0	29,3	43,4
Medium	99,9	99,0	68,2	41,1	35,8	55,9
Small	100,0	98,9	55,0	43,8	37,5	52,0
Micro	99,6	98,3	39,9	36,4	31,8	40,4
<b>All enterprises</b>	<b>99,6</b>	<b>98,3</b>	<b>44,3</b>	<b>37,2</b>	<b>32,5</b>	<b>42,6</b>

## Explanatory notes

### Background

The results presented in this publication have been derived from the 2011 Manufacturing industry large sample survey. This is a periodic survey, which measures economic activity in the formal manufacturing industry of the South African economy. This survey is based on a sample of private and public enterprises operating in the manufacturing industry.

The sample was drawn from Stats SA's business register. The business register is based mainly on the income tax (IT) and value added tax (VAT) databases of the South African Revenue Service (SARS).

### Classification by industry

The 1993 edition of the *Standard Industrial Classification of all Economic Activities* (SIC), Fifth Edition, Report No. 09-09-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities* (ISIC) with suitable adaptations for local conditions. Statistics in this publication are presented at SIC group (four-digit) level. Each enterprise is classified to an industry which reflects its predominant activity.

### 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 2010 and 30 June 2011.

### 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 19 presents the cut-off points for size groups.

**Table 19 – Size groups for the manufacturing industry, 2011**

Size group	Turnover
Large	Turnover ≥ R104 000 000
Medium	R24 000 000 ≤ Turnover < R104 000 000
Small	R12 000 000 ≤ Turnover < R24 000 000
Micro	Turnover < R12 000 000

### Survey methodology and design

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

A sample of approximately 10 000 enterprises was drawn from a frame of approximately 60 000 using stratified random sampling. The enterprises were first stratified at four-digit level according to the SIC and then by size of enterprise. All large enterprises are completely enumerated. Turnover as recorded on the business register was used as the measure of size for stratification. The collection rate was 82%.

### 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.

**Relative standard error and confidence intervals**

Table 20 (pages 95 - 98) presents the 95% confidence intervals and relative standard errors for total income by type of manufacturing.

**Table 20 – Confidence intervals (95%) for income in the manufacturing industry, 2011**

Type of manufacture	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
<b>Division 30 - Food products and beverages</b>	<b>285 537</b>	<b>287 793</b>	<b>290 049</b>	<b>0,4</b>
Production, processing and preserving of meat and meat products	28 004	28 736	29 468	1,3
Processing and preserving of fish and fish products	2 460	2 619	2 778	3,1
Processing and preserving of fruit and vegetables	10 983	11 225	11 467	1,1
Manufacture of vegetable and animal oils and fats	19 885	19 924	19 963	0,1
Manufacture of dairy products	22 382	22 967	23 552	1,3
Manufacture of grain mill products, starches and starch products	33 946	35 331	36 716	2,0
Manufacture of prepared animal feeds	16 873	17 142	17 411	0,8
Manufacture of bakery products	17 097	17 941	18 785	2,4
Manufacture of sugar, cocoa, chocolate and sugar confectionery	23 419	23 558	23 697	0,3
Manufacture of other food products	31 781	32 159	32 537	0,6
Manufacture of alcoholic and non-alcoholic beverages	75 145	76 190	77 235	0,7
<b>Division 31 - Textiles, clothing, leather and footwear</b>	<b>45 144</b>	<b>46 511</b>	<b>47 878</b>	<b>1,5</b>
Preparation and spinning of textile fibres and weaving and finishing of textiles	4 277	4 497	4 717	2,5
Manufacture of made-up textile articles, except apparel	7 216	7 731	8 246	3,4
Manufacture of carpets, rugs and mats	1 244	1 475	1 706	8,0
Manufacture of cordage, rope, twine and netting	314	357	400	6,2
Manufacture of other textiles	3 775	4 140	4 505	4,5
Manufacture of knitted and crocheted fabrics and articles	1 699	1 847	1 995	4,1
Manufacture of wearing apparel, except fur apparel	17 275	18 392	19 509	3,1
Dressing and dyeing of fur, articles of fur and tanning and dressing of leather	2 816	3 011	3 206	3,3
Manufacture of luggage, handbags and the like, saddlery and harness	662	829	996	10,3
Manufacture of footwear	3 958	4 232	4 506	3,3

**Table 20 – Confidence intervals (95%) for income in the manufacturing industry, 2011 (continued)**

Type of manufacture	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
<b>Division 32 - Wood, wood products, paper, publishing and printing</b>	<b>102 106</b>	<b>104 356</b>	<b>106 606</b>	<b>1,1</b>
Sawmilling and planing of wood	6 340	7 091	7 842	5,4
Manufacture of veneer sheets, plywood and other boards	4 569	4 642	4 715	0,8
Manufacture of builders' carpentry and joinery	3 399	3 665	3 931	3,7
Manufacture of wooden containers	1 192	1 322	1 452	5,0
Manufacture of other products of wood, articles of cork, straw and plaiting materials	2 896	3 197	3 498	4,8
Manufacture of pulp, paper and paperboard and articles of paper and paperboard	16 683	17 615	18 547	2,7
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	24 814	25 412	26 010	1,2
Publishing of books, brochures, musical books and other publications	5 586	6 153	6 720	4,7
Publishing of newspapers, journals and periodicals	12 775	14 194	15 613	5,1
Publishing of recorded media and other publishing	478	548	618	6,5
Printing	16 811	17 714	18 617	2,6
Service activities related to printing and reproduction of recorded media	2 686	2 801	2 916	2,1
<b>Division 33 - Coke, petroleum, chemical products, rubber and plastic</b>	<b>481 768</b>	<b>484 618</b>	<b>487 468</b>	<b>0,3</b>
Manufacture of coke oven products	2 910	2 910	2 910	0,0
Manufacture of petrol, fuel oils and other petroleum products	275 128	276 755	278 382	0,3
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	31 955	32 271	32 587	0,5
Manufacture of fertilisers, nitrogen compounds, plastics in primary form and synthetic rubber	38 622	38 850	39 078	0,3
Manufacture of pesticides and other agro-chemical products	1 921	2 076	2 231	3,8
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	12 196	12 877	13 558	2,7
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	19 445	20 075	20 705	1,6
Manufacture of soap and detergents, perfumes and toilet preparations	32 002	33 240	34 478	1,9
Manufacture of other chemical products	14 642	14 758	14 874	0,4
Manufacture of man-made fibres and of other rubber products	9 890	10 273	10 656	1,9
Manufacture of rubber tyres and tubes and retreading of tyres	3 761	4 046	4 331	3,6
Manufacture of plastic products	34 627	36 486	38 345	2,6

**Table 20 – Confidence intervals (95%) for income in the manufacturing industry, 2011 (continued)**

Type of manufacture	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
<b>Division 34 - Glass and other non-metallic mineral products</b>	<b>52 242</b>	<b>53 608</b>	<b>54 974</b>	<b>1,3</b>
Manufacture of glass and glass products and non-structural non-refractory ceramicware	11 353	12 587	13 821	5,0
Manufacture of refractory ceramic products	3 595	3 884	4 173	3,8
Manufacture of structural non-refractory clay and ceramic products	3 676	4 066	4 456	4,9
Manufacture of cement, lime and plaster and articles of concrete and plaster	28 065	28 512	28 959	0,8
Cutting and shaping of stone	492	596	700	8,9
Manufacture of other non-metallic mineral products	3 878	3 963	4 048	1,1
<b>Division 35 - Metals, metal products, machinery and equipment</b>	<b>331 326</b>	<b>336 604</b>	<b>341 882</b>	<b>0,8</b>
Manufacture of basic iron and steel and of primary iron and steel products	67 347	69 108	70 869	1,3
Manufacture of basic precious and non-ferrous metals	57 424	58 807	60 190	1,2
Casting of iron and steel	10 217	10 318	10 419	0,5
Casting of non-ferrous metals	636	662	688	2,0
Manufacture of structural metal products	28 439	30 470	32 501	3,4
Manufacture of tanks, reservoirs and similar containers of metal	1 674	1 809	1 944	3,8
Manufacture of steam generators, except central heating water boilers	626	744	862	8,1
Forging, pressing, stamping and roll-forming of metal; powder metallurgy	1 519	1 559	1 599	1,3
Treatment and coating of metals; general mechanical engineering	13 439	14 835	16 231	4,8
Manufacture of cutlery, hand tools and general hardware	3 763	3 949	4 135	2,4
Manufacture of other fabricated metal products	45 020	46 104	47 188	1,2
Manufacture of engines and turbines, except aircraft and motor vehicle engines	1 231	1 319	1 407	3,4
Manufacture of pumps, compressors, taps and valves	9 245	10 205	11 165	4,8
Manufacture of bearings, gears, gearing and driving elements	2 071	2 138	2 205	1,6
Manufacture of ovens, furnaces and furnace burners	496	560	624	5,8
Manufacture of lifting and handling equipment	5 293	5 756	6 219	4,1
Manufacture of other general purpose machinery	17 999	20 086	22 173	5,3
Manufacture of agricultural and forestry machinery	2 516	2 929	3 342	7,2
Manufacture of machine tools	1 695	1 930	2 165	6,2
Manufacture of machinery for mining, quarrying, construction and metallurgy	22 066	23 892	25 718	3,9
Manufacture of machinery for food, beverage and tobacco processing	2 838	2 936	3 034	1,7
Manufacture of machinery for textile and leather production, manufacture of weapons and ammunition and other special purpose machinery	13 917	15 496	17 075	5,2
Manufacture of household appliances	6 145	6 280	6 415	1,1
Manufacture of office, accounting and computing machinery	3 836	4 714	5 592	9,5

**Table 20 – Confidence intervals (95%) for income in the manufacturing industry, 2011 (concluded)**

Type of manufacture	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
<b>Division 36 - Electrical machinery and apparatus</b>	<b>47 989</b>	<b>48 851</b>	<b>49 713</b>	<b>0,9</b>
Manufacture of electric motors, generators and transformers	13 561	13 944	14 327	1,4
Manufacture of electricity distribution and control apparatus	9 688	10 104	10 520	2,1
Manufacture of insulated wire and cable	9 172	9 355	9 538	1,0
Manufacture of accumulators, primary cells and batteries and lighting equipment	4 780	4 866	4 952	0,9
Manufacture of other electrical equipment	9 981	10 582	11 183	2,9
<b>Division 37 - Telecommunication, medical and optical equipment and watches and clocks</b>	<b>13 578</b>	<b>14 278</b>	<b>14 978</b>	<b>2,5</b>
Manufacture of electronic valves and tubes and other electronic components	1 030	1 160	1 290	5,7
Manufacture of television and radio transmitters and receivers, sound or video recording and line telephony apparatus	5 301	5 473	5 645	1,6
Manufacture of medical and surgical equipment and orthopaedic appliances	2 186	2 617	3 048	8,4
Manufacture of instruments and appliances for measuring, testing and navigating	3 276	3 721	4 166	6,1
Manufacture of industrial process control equipment	198	235	272	8,0
Manufacture of watches and clocks, optical instruments and photographic equipment	838	1 071	1 304	11,1
<b>Division 38 - Transport equipment</b>	<b>242 464</b>	<b>245 349</b>	<b>248 234</b>	<b>0,6</b>
Manufacture of motor vehicles	156 605	158 469	160 333	0,6
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	12 091	12 662	13 233	2,3
Manufacture of parts for motor vehicles and their engines	45 071	47 491	49 911	2,6
Building and repairing of ships	893	1 008	1 123	5,8
Building and repairing of pleasure and sporting boats	602	655	708	4,1
Manufacture of railway and tramway locomotives and rolling stock	17 729	17 834	17 939	0,3
Manufacture of aircraft	5 795	6 248	6 701	3,7
Manufacture of other transport equipment	772	982	1 192	10,9
<b>Division 39 - Furniture, other manufacturing and recycling</b>	<b>54 286</b>	<b>56 271</b>	<b>58 256</b>	<b>1,8</b>
Manufacture of furniture	11 825	13 521	15 217	6,4
Manufacture of jewellery and related articles	6 442	6 902	7 362	3,4
Manufacture of musical instruments, sports goods, games and toys	710	852	994	8,5
Other manufacturing, including manufacturing of tobacco and tobacco products	22 802	23 588	24 374	1,7
Recycling of waste and scrap	11 140	11 408	11 676	1,2
<b>Total</b>	<b>1 668 368</b>	<b>1 678 236</b>	<b>1 688 104</b>	<b>0,3</b>

**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.

**Comparability with previously published information**

The information in this publication is comparable with the information published from the manufacturing large sample survey of 2005 (P3002 and Report 30-02-01), the short-term manufacturing survey (*Manufacturing: Production and sales*, P3041.2) and with the manufacturing sector from the *Annual Financial Statistics*, 2010 (P0021).

**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.

**Abbreviations**

DTI	Department of Trade and Industry
GDP	Gross domestic product
IT	Income tax
RSE	Relative standard error
SARS	South African Revenue Service
SE	Standard error
SIC	Standard Industrial Classification of all Economic Activities
Stats SA	Statistics South Africa
VAT	Value added tax

## Glossary

### Capital expenditure on new assets

Capital expenditure on new assets includes:

- the erection of new buildings and works, and additions to and alterations of existing buildings and works;
- work in progress capitalised;
- new plant, machinery, equipment and vehicles;
- new computers, network equipment and other information technology equipment;
- intangible assets;
- used plant and machinery which was imported by or on behalf of the enterprise, whether paid to outside contractors/concerns or which was done by the enterprise itself; and
- other new assets not specified.

and excludes:

- acquisition of land;
- existing buildings and works;
- used plant and machinery and vehicles;
- transfers-in of property, plant, equipment and intangible assets; and
- other existing assets.

### Collection rate

Collection rate = (Number of collected questionnaires + number of out-of-scope and inactive (zero contributing) enterprises)\*100/sample size.

### Current assets

Assets on the balance sheet which are expected to be sold or otherwise used up in the near future, usually within one year.

### Current liabilities

Debts or obligations that are due within one year.

### Employees

People employed by the business or organisation who received payment (salaries, wages, commission, piece rates or payments in kind) for the last pay period ended on or before 30 June 2011.

### Enterprise

A legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.

### Equity

The residual interest in the enterprise's assets after deducting its liabilities.

### Exports

Outward flow of goods and services leaving the economic territory of a country to the outside world.

### Imports

Inward flow of goods and services entering the economic territory of a country from the outside world.



<b>Intermediate consumption</b>	<p>Intermediate consumption is derived as:</p> <ul style="list-style-type: none"> <li>Expenditure on purchases of raw materials</li> <li><b>plus</b> expenditure on purchases of fuel and gas</li> <li><b>plus</b> expenditure on purchases of materials used in maintenance</li> <li><b>plus</b> expenditure on accommodation</li> <li><b>plus</b> expenditure on advertising</li> <li><b>plus</b> expenditure on bank charges</li> <li><b>plus</b> expenditure on purchases of containers and packaging material</li> <li><b>plus</b> expenditure on entertainment</li> <li><b>plus</b> expenditure on service fees on insurance premiums</li> <li><b>plus</b> motor vehicle running expenditure</li> <li><b>plus</b> expenditure on leasing and hiring of plant, machinery and equipment</li> <li><b>plus</b> expenditure on paper, printing and stationery</li> <li><b>plus</b> expenditure on postal and courier services</li> <li><b>plus</b> expenditure on railage and transport out</li> <li><b>plus</b> expenditure on rental of land and buildings</li> <li><b>plus</b> expenditure on repairs and maintenance</li> <li><b>plus</b> expenditure on research and development</li> <li><b>plus</b> expenditure on royalties and copyright</li> <li><b>plus</b> expenditure on security services</li> <li><b>plus</b> expenditure on staff training</li> <li><b>plus</b> expenditure on payments to subcontractors</li> <li><b>plus</b> expenditure on telecommunications</li> <li><b>plus</b> expenditure on travelling</li> <li><b>plus</b> expenditure on water and electricity</li> <li><b>plus</b> expenditure on bursaries</li> <li><b>plus</b> expenditure on subscriptions</li> <li><b>plus</b> other expenditure</li> <li><b>minus</b> value of closing inventories: raw materials</li> <li><b>plus</b> value of opening inventories: raw materials</li> <li><b>plus</b> valuation adjustment on differences in inventories</li> </ul>
<b>Industry</b>	<p>An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the System of National Accounts (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i>, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).</p>
<b>Intangible assets</b>	<p>Identifiable non-monetary assets without physical substance held for use in the production or supply of goods or services.</p>

<b>Net profit or loss before tax</b>	<p>Net profit or loss before tax is derived as:</p> <p>Total income  <b>plus</b> closing inventories  <b>minus</b> total expenditure  <b>minus</b> opening inventories</p>
<b>Non-current assets</b>	Assets which are not easily convertible to cash or not expected to become cash within the next year.
<b>Non-current liabilities</b>	Non-current liabilities are liabilities not due to be paid within one year during the normal course of business.
<b>Other expenditure</b>	<p>Other expenditure <b>includes:</b></p> <ul style="list-style-type: none"> <li>• professional services, e.g. audit and other professional business services, legal expenses and data processing services;</li> <li>• donations and sponsorship;</li> <li>• amortisation; and</li> <li>• subscriptions.</li> </ul>
<b>Output</b>	<p>Output at basic prices is derived as:</p> <p>Income from sales of own manufactured goods  <b>plus</b> income from services rendered  <b>plus</b> value of closing inventories: work in progress  <b>minus</b> value of opening inventories: work in progress  <b>plus</b> value of closing inventories: finished goods produced  <b>minus</b> value of opening inventories: finished goods produced  <b>plus</b> income from sales of goods not produced  <b>minus</b> expenditure on purchases of finished goods for resale  <b>plus</b> value of closing inventories: finished goods not produced  <b>minus</b> value of opening inventories: finished goods not produced  <b>plus</b> income from rental of land and buildings  <b>plus</b> income from leasing and hiring of plant, machinery, equipment and vehicles  <b>plus</b> sundry trading income  <b>plus</b> income from royalties and copyright  <b>plus</b> other income  <b>minus</b> expenditure on customs and excise duty</p>
<b>Profit margin</b>	<p>Profit margin is derived as:</p> <p>Net profit or loss after tax  <b>divided by</b> turnover  <b>multiplied by</b> 100</p>

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<b>Salaries and wages</b>	Salaries and wages include: <ul style="list-style-type: none"><li>• salaries and/or fees paid to directors, executives and managers;</li><li>• commissions paid;</li><li>• employer's contribution to pension, provident, medical aid, sick pay and other funds;</li><li>• payments made from South Africa to employees based abroad;</li><li>• payments for all types of leave;</li><li>• incentive payments for piecework or profit-sharing schemes;</li><li>• fringe benefits paid in cash;</li><li>• allowances and penalty payments;</li><li>• value of any salary sacrificed;</li><li>• bonuses.</li></ul>
<b>Statistical unit</b>	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.
<b>Stratum</b>	A stratum is constructed by concatenating the SIC classification and size group variables
<b>Turnover</b>	Turnover includes:  the value of sales; amounts received for work done; amounts received for services rendered; rent and/or lease payments received for land and buildings; and rent, leasing and hiring received for machinery, vehicles and other equipment  Turnover excludes:  value added tax (VAT); net profit or loss on sales or revaluation of fixed assets (including profit or loss on foreign exchange); export freight charges; interest received; and excise duty.
<b>Value added</b>	Value added is derived as:  Output at basic prices <b>minus</b> intermediate consumption