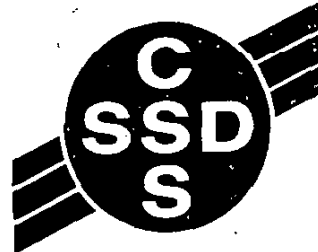


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**Manufacturing:  
production and sales  
June 1996**

**Statistical release P3041.2**

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## MANUFACTURING PRODUCTION INCREASES


*The seasonally adjusted manufacturing production for the second quarter of 1996 increased by 2,6% compared with the first quarter of 1996 partly due to low production in February and March 1996. Despite the quarterly increase of 2,6%, the production for the second quarter of 1996 is only 0,4% higher than for the corresponding quarter of 1995.*

Higher production for the second quarter of 1996 was reported in 20 of the 28 manufacturing major groups. The main contributors to the increase of 2,6% were the motor vehicle (1,0 percentage point), electrical machinery (0,9 of a percentage point) and the beverage, paper and basic non-ferrous metal industries (each with 0,3 of a percentage point).<sup>2</sup>

Sales of manufactured products increased by 6,4% after seasonal adjustment between the first and second quarters of 1996. Increased sales reported by the motor vehicle (+R1 338 million), food (+R457 million), basic non-ferrous metal (+R437 million), metal products (+R406 million) and machinery and equipment industries (+R375 million) made the largest impact.

### SUMMARY - TOTAL MANUFACTURING

Period	Production indices	Sales	Percentage change of:	
	1990 = 100	R mill.	Production-indices	Sales
<b>Actual</b>				
Apr. 1996 - Jun. 1996	102,0	80 146,5	+0,4	+10,2
Apr. 1995 - Jun. 1995	101,6	72 735,5		
<b>Seasonally adjusted</b>				
Apr. 1996 - Jun. 1996	104,3	82 554,5	+2,6	+6,4
Jan. 1996 - Mar. 1996	101,7	77 575,4		

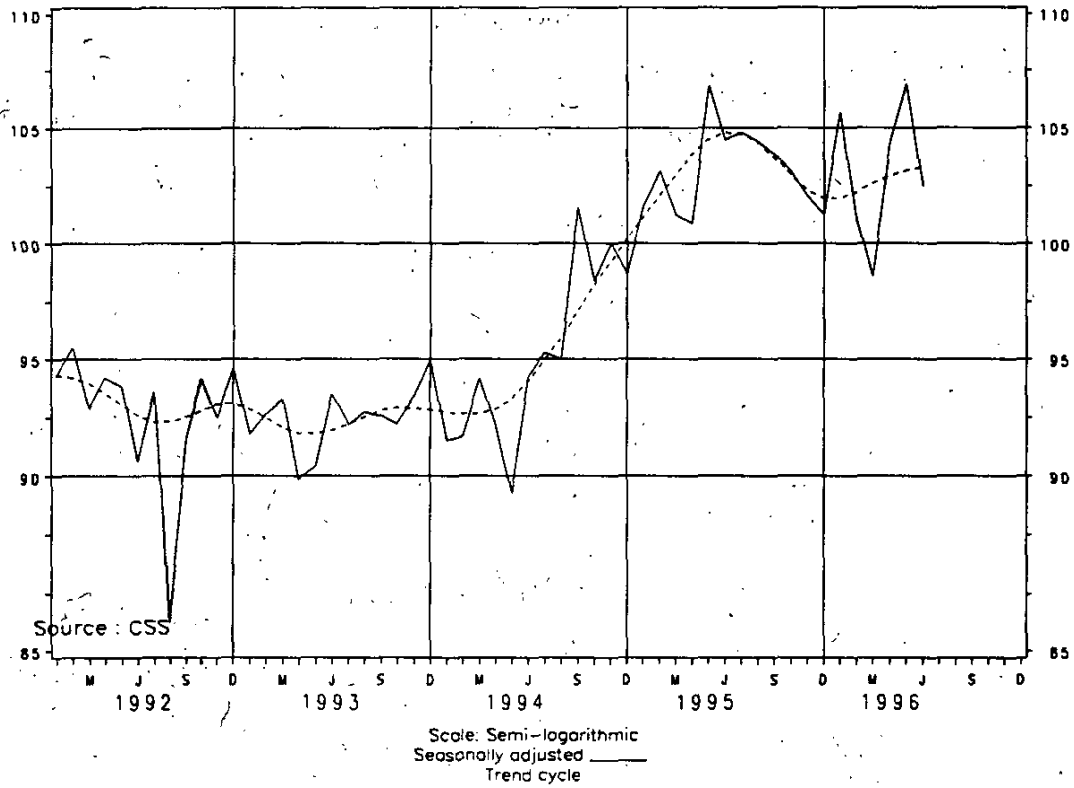
  
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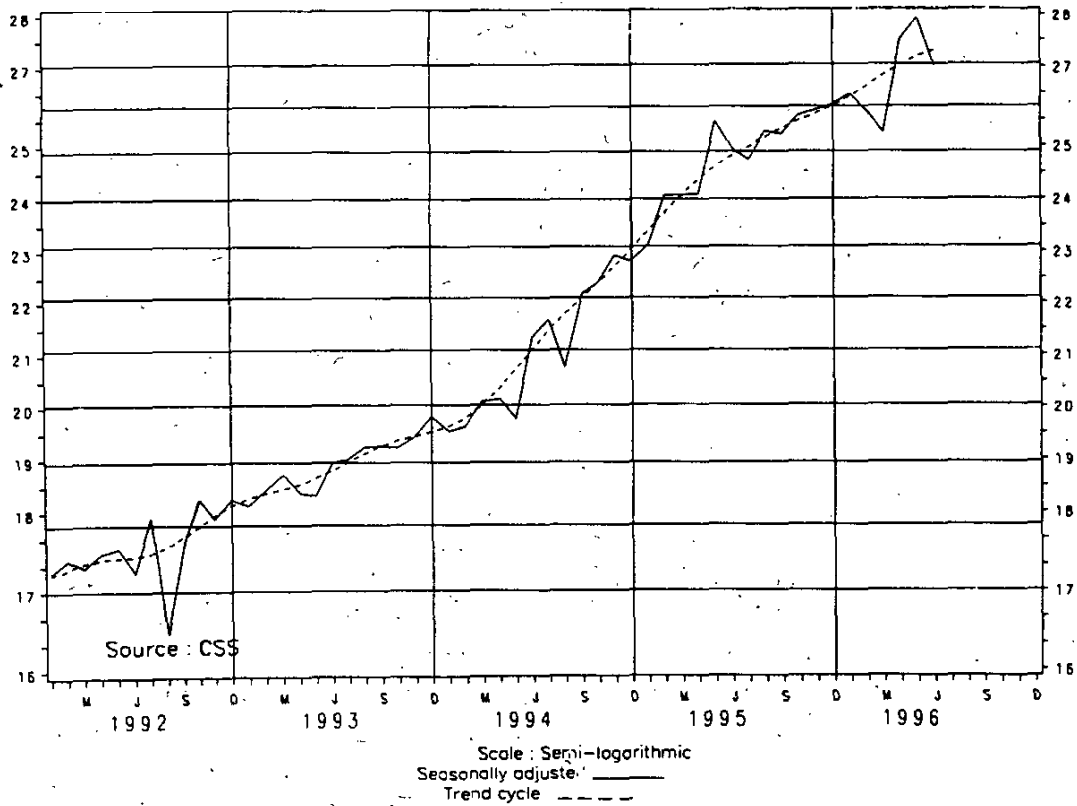
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MANUFACTURING  
PHYSICAL VOLUME OF PRODUCTION  
BASE 1990=100  
INDEX



MANUFACTURING  
VALUE OF SALES  
R MILLION



## NOTES

1. This statistical release shows indices of the physical volume of manufacturing production and the value of sales and unfilled orders, **after benchmarking**, according to manufacturing major groups. Both actual and seasonally adjusted figures are shown. Sales and production figures for Walvis Bay are excluded as from 1 March 1994. **The former TBVC states are included.**
2. **The results of the 1988 and 1991 Manufacturing Censuses were used to adjust the level of the indices and the value of sales.** This process is known as benchmarking. The total value of gross output of the manufacturing major groups (which represents the total value of work done by the establishments in these groups) as obtained from the respective manufacturing censuses, was deflated with appropriate subindices of the Production Price Index in order to calculate the real gross output. The latter served as benchmarks to verify or adjust the level of the monthly volume indices. The level adjustments were done on the volume indices for January of the relevant census year (e.g. the 1998 census year covers the period 1 July 1987 to 30 June 1988 and therefore the benchmarking was done on the index of January 1988).
3. The calculation of the monthly manufacturing indices is based on the value of manufactured products and articles after the effect of price changes has been eliminated by deflation by using appropriate sub-indices of the production price index (PPI). The value of the manufactured products is obtained from a monthly sample survey of manufacturing establishments in the private and public sectors.
4. The 1988 Manufacturing Census provided the framework for the selection of a revised sample implemented as from January 1995. A stratified systematic sample design based on gross output was used. Establishments which commenced operations after the census have also been taken into account. The weighting factors for the combining of the production indices for the manufacturing major groups to those for total manufacturing were calculated on the basis of the net output data obtained from the 1991 Manufacturing Census.
5. The 1988 and 1991 manufacturing censuses as well as the sample survey (before 1995) did not include information of the former TBVC states. To make the time series comparable, published and unpublished information for 1988 and 1991 was obtained from Statistical offices of the former TBVC states and has been incorporated. Thereafter, the level of the sample results was raised to link up with the benchmarks. The sample data do not reflect the influence of the cyclic movement of the establishments before January 1995 in the former TBVC states.
6. Production indices for the various manufacturing subgroups that were previously published in the **Bulletin of Statistics** were discontinued as from the indices for January 1993. The production indices on a subgroup basis can be obtained by approximation by deflating the value of sales according to manufacturing subgroups in statistical release P0142.1 (entitled **Production Price Index**) with the production price indices for the relevant manufacturing subgroups.
7. More comprehensive detail on the method of calculation and historical data in respect of the production indices according to manufacturing major groups and the value of sales for the period January 1987 to August 1995 were published in statistical releases P3041.3 (entitled **Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1990=100, January 1987 to August 1995**) and P3041.4 (entitled **Manufacturing statistics: Value of sales, January 1987 to August 1995**).

TABLE 1 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - TOTAL  
HISTORICAL TABLE  
BASE 1990 = 100

Month	1990	1991	1992	1993	1994	1995	1996 *
J	84.6	82.7	79.7	77.5	77.1	84.4	87.6
F	99.2	95.5	95.2	92.6	91.6	101.5	99.3
M	107.1	100.3	99.0	100.4	100.4	107.3	104.7
A	95.8	97.8	89.8	85.8	87.4	94.6	97.5
M	98.7	94.6	92.6	89.8	89.0	104.7	104.8
J	104.3	97.6	93.4	95.4	96.0	105.5	103.6
J	98.9	96.5	95.1	94.3	97.2	106.2	
A	105.5	99.4	89.0	96.3	98.0	106.8	
S	102.9	100.8	96.8	97.7	106.2	108.5	
O	107.4	103.7	103.6	102.2	108.3	113.1	
N	111.7	104.7	103.7	104.9	111.7	114.0	
D	84.0	83.0	83.6	84.1	87.1	89.2*	
YEAR	100.0	96.4	93.5	93.3	95.8	103.0	
SEASONALLY ADJUSTED INDICES							
J	99.5	97.9	94.8	92.7	92.5	101.5	105.4
F	100.1	96.2	95.9	93.4	92.6	103.0	100.9
M	101.6	94.9	93.6	94.0	94.8	101.2	98.7
A	99.8	102.6	94.8	91.1	93.0	100.8	104.0
M	101.3	95.8	94.5	91.5	90.6	106.5	106.6
J	101.5	95.4	91.7	94.2	94.8	104.2	102.3
J	98.5	96.0	94.3	93.1	95.7	104.5	
A	101.5	95.8	86.1	93.5	95.5	104.1	
S	97.7	96.2	92.5	93.4	101.4	103.6	
O	99.4	95.4	94.8	93.1	98.5	102.9	
N	101.5	94.6	93.3	94.1	100.0	101.9	
D	96.5	94.8	95.1	95.4	98.8	101.1	

\* Revised

TABLE 2 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - MAJOR GROUPS

BASE 1990 = 100

Manufacturing Major Groups	Weights	Year	Actual indices			Seasonally adjusted indices			
			1995		1996		1996		1995
			June	May *	June	May	June	May	June
TOTAL	100.0	103.0	103.6	104.8	105.5	102.3	106.6	104.2	
Food	12.1	94.1	98.0	100.7	93.9	98.7	100.1	94.4	
Beverages	4.7	93.2	86.4	84.8	78.3	96.3	97.2	87.8	
Tobacco products	0.5	85.6	84.2	89.9	92.8	77.6	85.8	86.0	
Textiles	3.6	101.0	106.0	100.2	111.6	98.8	96.3	102.0	
Wearing apparel, excluding footwear	3.0	111.6	85.0	99.0	105.1	95.0	108.8	117.5	
Leather and leather product	0.4	109.7	107.8	112.1	105.8	107.8	106.1	106.2	
Footwear	1.1	83.3	54.6	60.1	79.1	59.1	64.1	84.5	
Wood and wood products, excluding furniture	1.9	102.5	96.0	106.7	101.5	97.4	106.2	102.9	
Furniture (wood)	1.6	103.4	92.4	105.6	98.9	92.8	107.9	99.4	
Paper and paper products	4.8	112.7	106.6	93.1	111.4	110.1	95.6	115.1	
Printing and publishing	3.7	99.1	94.3	103.4	99.7	92.8	108.8	98.1	
Industrial chemicals	5.5	103.1	113.5	106.5	109.6	111.8	114.6	108.7	
Chemical products, excluding products of petroleum and coal	5.9	105.7	112.0	113.4	108.2	108.5	112.3	104.5	
Products of petroleum and coal	6.5	140.2	138.9	133.7	143.2	134.6	130.9	138.9	
Rubber products	1.6	96.0	101.3	88.1	110.4	92.8	91.4	101.1	
Plastic products	2.6	115.6	112.0	120.3	119.1	113.1	122.6	120.4	
Pottery	0.2	84.8	79.3	80.0	109.5	71.8	78.1	98.7	
Glass and glass products	1.2	96.8	101.1	92.9	80.3	102.4	97.6	81.4	
Other non-metallic mineral products	3.3	94.3	97.8	98.9	100.4	91.7	97.5	94.0	
Basic iron and steel industries	6.6	95.7	94.3	95.1	97.9	86.6	91.2	89.9	
Basic non-ferrous metal industries	2.1	123.5	163.0	185.6	122.2	166.2	188.1	123.5	
Metal products, excluding machinery	7.2	97.7	103.3	99.6	100.3	97.8	98.3	94.8	
Machinery and equipment	6.1	97.3	102.4	103.5	104.4	100.7	108.2	102.8	
Electrical machinery	4.6	98.0*	101.4	96.2	108.9	96.9	97.7	104.1	
Motor vehicles, parts and accessories	6.4	115.0	105.2	123.1	128.2	103.2	119.4	125.5	
Transport equipment, excluding motor vehicles, parts and accessories	1.3	51.5	61.8	55.6	49.7	63.0	58.5	50.4	
Professional and scientific measuring and controlling equipment and photographic and optical goods	0.4	114.9	107.4	109.4	120.5	109.6	106.9	122.9	
Other manufacturing industries	1.1	78.6	82.6	87.3	80.8	82.9	88.0	81.6	

\* Revised

TABLE 3 -- VALUE OF SALES - MANUFACTURING - TOTAL  
 HISTORICAL TABLE  
 R1 000

Month	1990	1991	1992	1993	1994	1995	1996 *
	ACTUAL VALUES						
J	12 344 911	13 708 350	14 272 233	14 998 362	15 912 227	18 700 767	21 286 170
F	14 855 596	16 199 300	17 283 659	18 333 144	19 357 694	23 673 858	25 423 303
M	16 227 765	17 342 242	18 525 218	20 150 829	21 551 931	25 924 205	27 359 650
A	14 608 814	16 772 148	16 505 479	17 254 205	18 651 788	22 298 150	25 430 273
M	15 348 016	16 477 477	17 231 407	18 012 419	19 233 392	24 995 708	27 344 626
J	16 090 710	16 958 515	17 538 365	19 268 744	21 525 205	25 441 625	27 371 615
J	15 440 139	17 036 380	18 214 731	19 213 267	21 741 546	25 036 272	
A	16 748 459	17 675 490	17 005 339	19 995 824	21 413 529	26 368 156	
S	16 394 505	18 123 577	18 710 826	20 413 391	23 362 473	26 887 139	
O	17 415 854	18 608 654	20 155 870	21 183 241	24 565 955	28 461 235	
N	18 190 996	19 784 906	20 129 846	21 707 573	25 567 815	29 066 133	
D	13 719 535	14 972 366	16 227 436	17 499 456	20 152 607	23 117 476*	
YEAR	187 385 300	202 659 405	211 800 409	228 030 455	253 036 162	299 970 724	
	SEASONALLY ADJUSTED VALUES						
J	14 680 573	16 437 927	17 272 864	18 301 694	19 535 128	23 044 533	26 282 663
F	15 055 262	16 387 797	17 468 327	18 548 582	19 622 208	24 070 925	25 890 718
M	15 311 602	16 293 831	17 349 916	18 805 382	20 053 378	24 078 141	25 402 054
A	15 261 157	17 681 327	17 565 235	18 513 201	20 102 581	24 093 156	27 527 495
M	15 752 648	16 873 867	17 645 895	18 466 707	19 736 439	25 664 976	28 085 988
J	15 828 169	16 703 750	17 275 068	19 010 419	21 206 708	25 052 986	26 940 006
J	15 436 150	16 995 880	18 122 386	19 053 570	21 551 506	24 809 230	
A	16 030 679	16 953 849	16 354 659	19 268 359	20 665 295	25 446 471	
S	15 443 112	17 104 790	17 676 574	19 280 571	22 065 669	25 388 330	
O	16 075 073	17 088 993	18 409 449	19 258 374	22 292 449	25 812 198	
N	16 482 703	16 936 871	18 081 308	19 429 274	22 841 560	25 922 551	
D	15 664 644	17 040 548	18 400 230	19 778 916	22 724 926	26 044 316	

\* Revised



TABLE 4 - VALUE OF SALES - MANUFACTURING MAJOR GROUPS

Manufacturing Major groups	Year	Actual values						Seasonally adjusted values						
		1995			1996			1995			1996			
		June	May	June	June	May	June	June	May	June	June	May	June	
TOTAL	299 970 724*	27 371 615	27 344 626	25 441 625	26 940 006	28 086 988	25 052 986	41 405 791	3 932 902	3 895 985	3 349 773	4 000 043	3 962 490	3 399 106
Food	15 766 054	1 294 092	1 259 264	1 134 500	1 426 405	1 434 605	1 255 940	3 155 057	276 183	298 623	284 254	259 394	286 567	267 548
Beverages	10 129 214	902 996	934 159	953 363	816 884	888 091	863 749	7 811 048	529 632	592 513	606 912	591 374	670 524	677 770
Footwear and leather product	1 548 661	132 648	141 422	124 033	134 838	134 793	126 331	2 442 704	142 529	160 395	185 073	160 622	172 143	206 082
Footwear	4 389 603	407 416	398 180	375 979	405 268	406 167	374 471	4 382 436	359 027	393 436	359 471	360 029	402 733	360 923
Furniture (wood)	15 727 827	1 312 459	1 200 191	1 241 428	1 375 682	1 236 254	1 299 103	9 252 527	775 946	846 006	761 084	774 225	897 519	758 080
Paper and paper products	15 296 437	1 575 133	1 391 883	1 382 841	1 532 869	1 511 092	1 350 933	15 908 192*	1 448 271	1 500 998	1 363 431	1 397 409	1 497 611	1 312 926
Printing and publishing	16 180 255	1 505 169	1 336 116	1 421 255	1 404 302	1 398 789	1 331 338	3 635 758	349 203	305 162	332 252	322 993	316 846	306 965
Industrial chemicals	8 082 685	711 361	721 305	675 110	725 697	738 171	689 803	285 938	25 550	23 603	31 158	22 380	23 699	27 279
Chemical products, excluding products of petroleum and coal	2 374 260	218 669	178 669	187 743	226 633	192 713	194 233	7 619 248*	705 270	723 863	693 144	645 866	703 974	635 279
Products of petroleum and coal	19 118 733	1 807 691	1 795 990	1 763 503	1 647 984	1 700 680	1 607 273	7 159 061	884 381	909 691	573 690	902 428	882 600	579 462
Rubber products	20 277 587	1 835 823	1 800 077	1 740 993	1 727 395	1 764 955	1 635 801	16 266 480	1 516 936	1 504 678	1 387 974	1 510 733	1 618 418	1 383 962
Plastic products	12 460 170	1 094 612	1 078 501	1 134 050	1 057 685	1 094 567	1 094 775	33 494 009	3 131 667	3 442 917	2 916 569	3 142 794	3 231 481	2 917 110
Pottery	33 494 009	3 131 667	3 442 917	2 916 569	3 142 794	3 231 481	2 917 110	1 501 637	88 515	90 290	103 786	105 926	113 371	123 871
Glass and glass products	1 061 667	93 879	90 850	100 661	92 029	90 456	99 078	3 237 685	313 655	329 859	257 595	325 715	340 302	268 402
Other non-metallic mineral products	3 237 685	313 655	329 859	257 595	325 715	340 302	268 402							
Basic iron and steel industries														
Basic non-ferrous metal industries														
Metal products, excluding machinery and equipment														
Machinery and equipment														
Electrical machinery														
Motor vehicles, parts and accessories														
Transport equipment, excluding motor vehicles, parts and accessories														
Professional and scientific measuring and controlling equipment and photographic and optical goods														
Other manufacturing industries														

\* Revised

R1 000

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	June	May *	June	June	May	June
	1996			1996		
	284 106	283 494	401 586	278 949	287 223	393 430
Spinning, weaving and finishing of textiles	71 967	71 242	71 138	69 721	75 930	68 828
Soft furnishings	9 015	13 824	10 248	7 673	12 562	8 717
Tents, tarpaulins, sails and other canvas goods and automotive textiles	137 434	134 188	160 266	151 188	147 774	176 262
Knitting mills	1 002 469	1 083 057	1 112 454	987 109	1 042 201	1 092 973
Clothing	13 685	13 358	15 861	13 492	13 467	15 616
Sawmilling from the round log	26 591	34 136	27 764	29 626	38 093	30 874
Board - laminated, plywood, particle, etc.	29 693	29 310	43 401	26 912	29 513	39 504
Carpentry and joinery and other sawmill products	226 253	205 549	263 926	237 221	231 909	278 099
Furniture (wood)	187 450	197 053	157 622	184 323	189 090	155 813
Pulp, paper and paperboard	329 149	297 603	277 570	334 485	315 468	281 745
Light and heavy packaging	20 823	18 680	12 400	22 107	20 396	13 090
Paints and varnishes	2 711 091	2 688 735	3 015 738	2 672 173	2 662 468	2 979 663
Basic iron and steel industries	361 812	274 344	253 250	341 978	253 195	238 481
Steel pipe and tube mills	591 592	656 517	822 097	562 361	652 986	780 841
Basic non-ferrous metal industries	38 354	34 831	40 283	35 508	34 097	37 778
General hardware, handtools and cutlery	52 751	58 833	47 997	52 171	56 461	47 426
Furniture (metal)	1 281 199	1 317 127	1 013 498	1 329 022	1 314 336	1 049 920
Structural metal products	69 853	62 845	61 215	66 462	69 154	58 295
Tinware	79 898	82 561	178 135	76 633	79 625	171 769
Cables and wire products	90 825	102 151	101 225	82 385	92 607	91 488
Headed and threaded articles	1 166 099	1 108 509	1 063 051	1 086 337	1 026 394	992 264
All other metal products	873 942	877 017	924 799	852 516	887 403	902 640
Electrical industrial machinery and apparatus	766 999	803 932	894 579	725 251	747 910	848 594
Radio, television and communication equipment	24 089	22 043	14 594	25 407	22 994	15 278
Electrical appliances and housewares	192 283	203 671	322 161	188 289	194 149	320 256
Insulated wire and cables	9 606	10 030	7 651	10 088	9 809	7 980
Dry and wet cell batteries	83 167	66 011	59 419	80 633	72 101	58 064
Other electrical goods	1 766 880	1 968 696	2 156 532	1 708 254	1 800 500	2 068 449
Motor vehicles	423 544	410 982	397 906	403 176	387 935	376 847
Motor vehicle parts						

\* Revised