

# P3041.2

## Manufacturing: production and sales

December 1996

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### MANUFACTURING PRODUCTION FOR 1996 ON THE SAME LEVEL AS FOR 1995

*Manufacturing production for 1996 shows a slight increase of 0,4% compared to the previous year. Higher production for the year 1996 was reported in only 13 of the 28 manufacturing major groups.*

The main contributors to the increase of 0,4% were the basic non-ferrous metal industries (+0,9 of a percentage point), followed by the food (+0,5 of a percentage point), machinery and equipment (+0,4 of a percentage point) and industrial chemicals and transport industries (each contributing +0,3 of a percentage point). The increases were counteracted by the effect of lower production reported by the motor vehicles (-0,7 of a percentage point), paper (-0,5 of a percentage point) and the clothing and electrical machinery industries (each -0,3 of a percentage point).

The total value of sales of manufactured products for 1996 (R326 505,5 million) showed an increase of 9,1% compared with 1995 (R299 377,3 million).

#### SUMMARY - TOTAL MANUFACTURING

Period	Production indices		Sales	Percentage change of:	
	1990 = 100		R mill.	Production indices	Sales
Actual					
Oct. 1996 - Dec. 1996		107,4	89 190,6	+1,8	+10,7
Oct. 1995 - Dec. 1995		105,5	80 566,5		
Seasonally adjusted					
Oct. 1996 - Dec. 1996		104,0	85 767,1	+0,5	+6,0
Jul. 1996 - Sept. 1996		103,5	80 936,9		

### 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.**

In order to improve timeliness, some information for the current month may have been estimated due to late response.

These estimates will be revised as soon as better information is available.

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
ACTUAL INDICES							*
J	84,6	82,7	79,7	77,5	77,1	84,4	87,4
F	99,2	95,5	95,2	92,6	91,6	101,5	99,2
M	107,1	100,3	99,0	99,5	100,4	107,3	104,8
A	95,8	97,8	89,8	85,8	87,4	94,6	97,6
M	98,7	94,6	92,6	89,8	89,0	104,8	105,5
J	104,3	97,6	93,4	95,4	96,0	105,3	104,1
J	98,9	96,5	95,1	94,3	97,2	106,2	104,7
A	105,5	99,4	89,0	96,3	98,0	106,8	108,8
S	102,9	100,8	96,8	97,7	106,2	108,5	106,2
O	107,4	103,7	103,6	102,2	108,3	113,1	115,7
N	111,7	104,7	103,7	104,9	111,7	114,0	117,7
D	84,0	83,0	83,6	84,1	87,1	89,4	88,7
YEAR	100,0	96,4	93,5	93,3	95,8	103,0	103,4
SEASONALLY ADJUSTED INDICES							
J	99,5	97,9	94,8	92,6	92,2	101,1	104,7
F	100,1	96,2	95,9	93,4	92,7	103,1	101,0
M	101,6	94,9	93,6	94,0	94,8	101,3	98,9
A	99,9	102,7	95,1	91,5	93,6	101,6	105,0
M	101,3	96,7	94,2	91,0	89,8	105,4	105,8
J	101,5	95,4	91,7	94,1	94,8	104,1	102,8
J	98,5	95,9	94,2	93,1	95,7	104,6	103,1
A	101,4	95,8	86,1	93,4	95,1	103,5	105,5
S	97,7	96,2	92,5	93,5	101,7	104,1	101,9
O	99,4	95,3	94,7	93,1	98,3	102,5	104,9
N	101,5	94,6	93,3	94,0	99,8	101,6	104,8
D	96,6	95,1	95,5	96,1	99,7	102,7	102,3

\* 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			
		1996	1995	December	November	December	December	November	December	
				1996		1995		1996		1995
TOTAL	100,0	103,4	103,0	88,7	117,7	89,4	102,3	104,8	102,7	
Food	12,1	98,1	94,1	90,6	107,6	95,2	90,9	99,7	95,0	
Beverages	4,7	93,5	93,2	116,9	114,8	127,8	85,4	99,2	93,4	
Tobacco products	0,5	83,1	85,6	37,6	97,9	37,9	82,5	80,8	82,0	
Textiles	3,6	97,3	101,5	66,6	110,7	64,9	100,4	101,2	98,1	
Wearing apparel, excluding footwear	3,0	102,0	111,6	67,9	124,8	84,3	89,9	104,0	111,9	
Leather and leather products	0,4	106,2	109,7	77,7	129,0	75,7	106,0	106,9	102,6	
Footwear	1,1	71,3	83,3	48,0	95,1	54,1	70,4	72,4	78,9	
Wood and wood products, excluding furniture	1,9	103,3	102,5	83,3	120,7	73,6	107,8	104,0	94,7	
Furniture (wood)	1,6	104,3	103,4	81,3	150,7	88,5	104,4	113,2	113,4	
Paper and paper products	4,8	100,5	112,7	88,7	115,0	101,0	99,0	102,3	112,8	
Printing and publishing	3,7	98,7	99,1	89,7	107,9	91,2	96,3	93,7	98,1	
Industrial chemicals	5,5	108,7	103,1	104,3	125,9	96,5	110,3	107,3	102,0	
Chemical products, excluding products of petroleum and coal	5,9	109,9	105,7	93,2	126,8	95,8	107,2	109,8	109,9	
Products of petroleum and coal	6,5	141,9	140,2	145,2	148,2	146,1	145,0	143,2	145,5	
Rubber products	1,6	89,9	96,0	63,7	92,8	54,7	73,5	82,1	62,1	
Plastic products	2,6	115,6	115,6	80,2	141,9	82,9	103,9	121,8	106,9	
Pottery	0,2	76,8	84,1	49,9	89,5	35,6	86,0	86,0	61,6	
Glass and glass products	1,2	91,5	96,8	76,2	105,2	92,2	88,4	92,5	106,6	
Other non-metallic mineral products	3,3	95,7	94,3	66,5	108,9	64,5	94,7	96,7	91,5	
Basic iron and steel industries	6,6	92,0	95,7	89,2	101,9	87,7	96,1	98,1	94,9	
Basic non-ferrous metal industries	2,1	177,2	123,3	173,8	203,8	142,8	185,7	190,4	154,1	
Metal products, excluding machinery	7,2	99,4	97,7	83,6	123,5	74,0	112,4	105,0	99,8	
Machinery and equipment	6,1	104,0	97,3	73,1	103,5	85,3	90,8	98,3	105,2	
Electrical machinery	4,6	91,8	98,0	75,0	102,0	69,4	95,6	89,8	88,7	
Motor vehicles, parts and accessories	6,4	102,3	115,0	64,1	118,4	63,6	95,1	104,1	93,7	
Transport equipment, excluding motor vehicles, parts and accessories	1,3	64,0	51,5	49,6	68,9	42,6	58,4	67,2	49,9	
Professional and scientific measuring and controlling equipment and photographic and optical goods	0,4	109,3	114,9	94,6	120,3	73,3	122,5	102,4	94,2	
Other manufacturing industries	1,1	83,2	78,6	66,3	106,1	55,8	79,4	84,5	66,1	

\* 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	18 653 953	21 096 653
F	14 855 596	16 199 300	17 283 659	18 333 144	19 357 694	23 633 283	25 309 493
M	16 227 765	17 342 242	18 525 218	20 150 829	21 551 931	25 874 517	27 261 080
A	14 608 814	16 772 148	16 505 479	17 254 205	18 651 788	22 248 650	25 334 974
M	15 348 016	16 477 477	17 231 407	18 012 419	19 233 392	24 940 967	27 296 563
J	16 090 710	16 958 515	17 538 365	19 268 744	21 525 205	25 391 529	27 322 450
J	15 440 139	17 036 380	18 214 731	19 213 267	21 741 546	24 917 961	27 152 108
A	16 748 459	17 675 490	17 005 339	19 995 824	21 413 529	26 310 779	28 312 213
S	16 394 505	18 123 577	18 710 826	20 413 391	23 362 473	26 839 230	28 229 363
O	17 415 854	18 608 654	20 155 870	21 183 241	24 565 955	28 459 091	31 745 621
N	18 190 996	18 784 906	20 129 846	21 707 573	25 567 815	29 037 420	32 139 886
D	13 719 535	14 972 366	16 227 436	17 499 456	20 152 607	23 069 959	25 305 075
YEAR	187 385 300	202 659 405	211 800 409	228 030 455	253 036 162	299 377 339	326 505 479
SEASONALLY ADJUSTED VALUES							
J	14 678 822	16 435 166	17 271 936	18 311 659	19 554 390	23 052 099	26 131 919
F	15 053 636	16 385 900	17 466 311	18 543 662	19 613 763	24 037 839	25 781 034
M	15 311 400	16 293 717	17 347 648	18 792 658	20 035 412	24 017 184	25 287 314
A	15 266 150	17 686 327	17 568 305	18 510 747	20 111 887	24 066 198	27 447 883
M	15 753 868	16 887 968	17 682 715	18 534 025	19 856 735	25 814 345	28 276 007
J	15 828 481	16 704 490	17 275 045	18 981 001	21 165 870	24 919 204	26 772 753
J	15 444 839	17 010 269	18 141 134	19 089 463	21 575 998	24 725 771	26 948 519
A	16 016 291	16 928 394	16 320 528	19 222 039	20 590 404	25 298 343	27 232 055
S	15 446 167	17 108 520	17 678 498	19 313 128	22 105 993	25 430 279	26 756 300
O	16 068 884	17 078 694	18 394 101	19 219 669	22 184 197	25 618 963	28 565 449
N	16 482 046	16 933 680	18 073 180	19 420 023	22 792 540	25 814 552	28 551 768
D	15 668 753	17 043 049	18 399 719	19 802 998	22 754 246	26 075 162	28 649 920

\* Revised



and accessories	1 577 467	1 501 637	98 021	129 613	99 013	113 101	116 623	115 085
Professional and scientific measuring and controlling equipment and photographic and optical goods	1 095 008	1 062 635	87 226	107 096	69 435	107 347	93 635	85 323
Other manufacturing industries	3 779 762	3 233 095	262 924	382 859	210 986	302 055	293 328	241 314

\* Revised

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	December	November *	December	December	November	December
	1996		1995	1996		1995
Spinning, weaving and finishing of textiles	292 511	312 061	288 061	304 881	318 678	298 499
Soft furnishings	55 858	64 768	66 662	65 450	66 023	78 460
Tents, tarpaulins, sails and other canvas goods and automotive textiles	9 353	9 767	9 526	11 027	10 094	11 234
Knitting mills	182 761	186 426	139 944	183 887	173 690	140 025
Clothing	902 136	1 001 824	902 567	998 439	1 026 150	994 019
Sawmilling from the round log	21 731	20 722	23 141	24 535	23 791	26 424
Board - laminated, plywood, particle, etc.	30 128	38 778	22 536	35 731	35 471	26 811
Carpentry and joinery and other sawmill products	33 249	38 394	19 764	40 248	41 872	23 649
Furniture (wood)	256 259	302 170	259 903	299 299	274 455	303 165
Pulp, paper and paperboard	213 719	257 389	140 598	246 635	255 094	160 218
Light and heavy packaging	337 144	366 826	332 950	328 896	335 420	326 468
Paints and varnishes	15 300	17 843	12 908	17 866	16 457	14 938
Basic iron and steel industries	2 988 270	2 929 439	2 533 124	2 969 768	2 852 623	2 518 596
Steel pipe and tube mills	397 804	453 350	277 060	368 267	423 224	256 446
Basic non-ferrous metal industries	798 687	783 915	677 141	834 821	832 181	706 862
General hardware, handtools and cutlery	26 557	31 023	24 576	28 720	28 858	26 577
Furniture (metal)	41 147	43 560	62 465	46 738	47 199	70 788
Structural metal products	1 452 302	1 455 871	1 141 759	1 451 269	1 425 312	1 141 522
Tinware	73 835	77 720	68 076	73 440	75 552	67 862
Cables and wire products	53 599	51 731	60 246	58 483	46 307	65 517
Headed and threaded articles	88 098	93 865	97 265	108 179	110 154	120 517
All other metal products	854 331	923 288	818 268	994 148	1 014 357	942 623
Electrical industrial machinery and apparatus	824 913	868 563	952 282	852 659	866 692	984 643
Radio, television and communication equipment	694 049	668 329	900 821	697 596	656 571	908 581
Electrical appliances and housewares	18 131	21 165	16 567	20 596	22 764	18 867
Insulated wire and cables	167 389	149 352	243 936	168 767	154 768	247 072
Dry and wet cell batteries	10 212	10 263	13 939	9 160	11 296	12 561
Other electrical goods	81 690	75 082	79 500	75 319	67 820	73 962
Motor vehicles	1 570 488	1 815 535	1 376 499	1 990 287	2 183 651	1 746 974
Motor vehicle parts	450 927	399 225	382 266	471 539	459 700	402 020

\* Revised