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South Africa**

**Statistical release
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Dipalopalo tsa Aforika Borwa • Statistieke Suid-Afrika • Tistatistiki ta Afrika-Dzonga • Ukuqokelelwa kwamanani eNingizimu Afrika

Mining: production and sales

May 2001

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Key figures regarding mining production as at the end of May 2001

Actual estimates

	May 2001	% change between May 2000 and May 2001	% change between March 2000 to May 2000 and March 2001 to May 2001	% change between January 2000 to May 2000 and January 2001 to May 2001
Index of the physical volume of mining production				
Gold	76,9	+0,3%	-3,7%	-6,0%
Non-gold minerals	113,2	+8,6%	+6,6%	+5,8%
Total	97,8	+5,7%	+2,8%	+1,3%

Seasonally adjusted estimates

	May 2001	% change between April 2001 and May 2001	% change between December 2000 to February 2001 and March 2001 to May 2001
Index of the physical volume of mining production			
Gold	80,7	+0,5%	+1,7%
Non-gold minerals	113,0	+1,4%	+1,9%
Total	99,3	+1,1%	+1,9%

Key findings regarding mining production as at the end of May 2001

Mining production increases

The total mining production for the three months ended May 2001, after seasonal adjustment, reflected an increase of 1,9% compared with the previous three months. Furthermore, the total mining production for the first five months of 2001 reflected an increase of 1,3% compared with the first five months of 2000.

The increase of 1,9%, after seasonal adjustment, in the total mining production was due to a seasonally adjusted increase of 1,9% in the production of non-gold minerals and 1,7% in the production of gold during the three months ended May 2001 compared with the previous three months. The major contributors to the seasonally adjusted increase of 1,9% in the non-gold mineral sales were copper, platinum and diamonds.

Key figures regarding mineral sales as at the end of April 2001

Actual estimates

	April 2001 R million	% change between April 2000 and April 2001	% change between February 2000 to April 2000 and February 2001 to April 2001	% change between January 2000 to April 2000 and January 2001 to April 2001
Mineral sales				
Gold	1 806,3	+4,3%	-2,2	+2,0%
Non-gold minerals	6 809,8	+17,7%	+17,6	+26,5%
Total	8 616,0	+14,6%	+12,4	+20,0%

Seasonally adjusted estimates

	April 2001 R million	% change between March 2001 and April 2001	% change between November 2000 to January 2001 and February 2001 to April 2001
Mineral sales			
Gold	2 021,8	-4,8%	-4,0%
Non-gold minerals	6 875,2	+15,1%	-5,8%
Total	8 897,0	+9,9%	-5,4%

Key findings regarding mineral sales as at the end of April 2001

Mineral sales decreases

The seasonally adjusted value of mineral sales at current prices for the three months ended April 2001 reflected a decrease of 5,4% compared with the previous three months. However, the actual value of mineral sales at current prices for the three months ended April 2001 reflected an increase of 12,4% compared with three months ended April 2000.

The decrease of 5,4% in the seasonally adjusted value of mineral sales for the three months ended April 2001 compared with three months ended April 2000 can mainly be attributed to a decrease of 5,8% in non-gold mineral sales and 4,0% in sales of gold.

The 12,4% increase in the actual value of mineral sales at current prices for the three months ended April 2001 compared with the three months ended April 2000 was mainly due to an increase of 17,6% (+R3 062,3 million) in non-gold mineral sales. The increase of 17,6% in non-gold mineral sales was mainly due to increases of 78,8% (+R260,1 million) in sales of copper, 47,6% (+R2 717,9 million) in sales of platinum, 28,2% (+R164,1 million) in sales of other metallic minerals, 24,8% (+R185,9 million) in sales of iron ore and 23,0% (+R1 056,5 million) in sales of coal.

Table A - Contribution by the different mining divisions to the total mineral sales.

Mining division	Percentage contribution to mineral sales during February 2000 to April 2000	Quarterly percentage change between February 2000 to April 2000 and February 2001 to April 2001	Contribution (percentage points) to the percentage change in the sales 1/	Difference in total mineral sales between February 2000 to April 2000 and February 2001 to April 2001 R million
Gold	26,1	-2,2	-0,6	-133,0
Non-gold minerals				
Iron ore	3,2	24,8	0,8	185,9
Copper	1,4	78,8	1,1	260,1
Manganese ore	1,4	-2,0	0,0	-6,6
Chromium	1,0	6,7	0,1	15,6
Platinum	24,2	47,6	11,5	2 717,9
Nickel	2,1	-8,0	-0,2	-37,6
Other metallic minerals	2,5	28,2	0,7	164,1
Coal	19,5	23,0	4,3	1 056,5
Building materials	2,3	18,5	0,4	101,3
Other non-metallic	16,5	-35,8	-5,9	-1 394,9
Total non-gold minerals	73,9	17,6	13,0	3 062,3
Total minerals	100,0	12,4	12,4	2 929,3

1/ The contribution is calculated by multiplying the percentage change of each mineral with the percentage contribution of the corresponding mineral.

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Forthcoming issues	Issue	Expected date of publication
	June 2001	7 August 2001
	July 2001	11 September 2001
	August 2001	9 October 2001
	September 2001	6 November 2001
	October 2001	11 December 2001
	November 2001	8 January 2002
	December 2001	12 April 2002

Purpose of the survey The monthly mining production and sales survey is a country-wide sample survey covering a sample of mining establishments operating in the South African economy. The results of this survey are used to calculate physical volume of mining production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor Government policy.

Additional information

Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) publishes monthly information regarding the mining industry covering a sample of mining establishments (branches). This statistical release contains detailed information regarding indices of the physical volume of mining production and the total value of mineral sales according to mining divisions and major groups on a monthly basis.
 - 2 Data shown in the tables are compiled by Statistics South Africa (Stats SA) on the basis of mining production figures and mineral sales furnished by the Minerals Bureau, Department of Minerals and Energy.
 - 3 Due to mining production figures being available earlier than mineral sales figures, mining production indices are published one month earlier than mineral sales.
 - 4 The value of mineral sales is calculated, in general, on a free-on-rail/free-on-board basis.

	5	In order to improve timeliness, some information for the current month may have been estimated due to late response. These estimates will be revised in future statistical release(s) as soon more up-to-date information is available.
Scope of the survey	6	This survey covers mining establishments conducting activities regarding - <ul style="list-style-type: none"> • the extracting, dressing and beneficiating of minerals occurring naturally, for example solids such as coal and ores.
Classification	7	The 1993 edition of the Standard Industrial Classification of all Economic Activities (SIC), Fifth Edition, Report No. 09-90-02, 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 division, major group and subgroup level. Each statistical unit is classified to an industry which reflects the predominant activity of the establishment (branch).
Statistical unit	8	The basic statistical unit for the collection of information is the mining establishment. An establishment is the smallest economic unit that functions as a separate entity. Each statistical unit is classified to an industry (cf. paragraph 7).
Weighting	9	The weights which are used to aggregate minerals to mineral groups and mineral groups to total mining, are based on the value of production derived from detailed information for 1995 supplied by the Minerals Bureau, Department of Minerals and Energy.
Rebasing	10	In accordance with international practice, the indices have to be rebased every five years to a new base year. The indices in this statistical release have been calculated on the basis of 1995=100. The first results on this basis were published in May 1998. Both actual and seasonally adjusted figures are presented.
Seasonal adjustment	11	Seasonally adjusted estimates of all items are generated each month, using the X-11 Seasonal Adjustment Program developed by US Bureau of the Census Economic Research and Analyses Division, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month. <p>Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. This means the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.</p>
Reliability of estimates	12	Estimates are subject to sampling and non-sampling errors. Figures for the latest month are preliminary.
Related publications	13	Users may also wish to refer to the following publications which are available from Stats SA - <ul style="list-style-type: none"> • Bulletin of Statistics. • SA Statistics.
Unpublished statistics	14	In some cases Stats SA can also make available statistics which are not published. The statistics can be made available via: computer printouts or diskette or CD. Generally a charge is made for providing unpublished statistics.
Rounding-off of figures	15	The figures in the tables have, where necessary, been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.

Glossary

Enterprise

An enterprise (firm) is a legal entity consisting of one or more establishments (branches). The establishments need not necessarily all be mining establishments, but some may be classifiable as other industries of the economy, such as manufacturing, wholesale trade, retail trade, motor trade and construction.

Establishment

An establishment is defined as an enterprise, or part of an enterprise, that is situated at a single location and in which only a single (non-ancillary) productive activity is carried out or in which the principal productive activity accounts for most of the value added.

Free-on-rail

Free-on-rail relates to goods sold on the local market where no railage or road transport costs are involved.

Free-on-board basis

Free-on-board relates to goods destined for the export market. Railage, road transport and docking charges are involved but no charges are made for the transport by sea.

Index of physical volume of mining production

The index of physical volume of mining production or a production index is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 1995. The production in the base period is set at 100.

Industry

An industry consists of a group of establishments 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 Standard Industrial Classification (SIC) of all Economic Activities, Fifth Edition of January 1993.

Sales

Sales are the total value of sales and transfers-out of goods mined by the mining establishments and the amounts received for installation, erection or assembly or other services rendered.

Weight

The weight of a major group is the ratio of the production of a major group to the total production of the mining industry. The weight of a major group reflects the importance of the major group in the total mining industry. The weights change over time due to quality changes and changes in relative prices. New weights need to be calculated from time to time.

For more information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English only.

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Stats SA also provides a subscription service.

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Table 1 - Index of the physical volume of mining production including gold (Base 1995=100)

Month	1995	1996	1997	1998	1999	2000*	2001
Actual indices							
J	95,0	96,0	93,6	95,0	88,8	89,8	90,9*
F	99,3	98,3	98,8	97,3	94,9	95,9	93,3*
M	101,1	99,1	97,6	99,5	100,5	97,4	97,2*
A	95,9	93,3	96,7	95,7	92,3	92,1	94,8*
M	96,2	97,6	101,9	96,1	100,2	92,5	97,8 ^{1/}
J	105,1	100,8	105,7	104,3	99,4	101,6	
J	100,2	98,6	100,6	97,6	98,3	94,5	
A	104,4	99,5	103,1	99,8	94,4	99,0	
S	104,6	98,8	102,6	99,9	100,3	100,2	
O	98,9	98,7	100,6	104,7	100,1	97,5	
N	100,1	100,3	104,4	102,5	102,8	101,9	
D	99,2	98,9	98,6	99,0	96,7	94,1	
Year	100,0	98,3	100,4	99,3	97,4	96,4	
Seasonally adjusted indices							
J	99,3	101,0	99,3	101,6	95,2	96,5	97,8
F	100,1	99,6	100,4	99,6	97,5	98,8	96,3
M	100,1	97,9	96,4	98,6	99,6	96,8	96,7
A	99,0	96,8	100,4	99,4	95,8	95,4	98,2
M	97,1	98,3	102,8	97,0	101,7	93,6	99,3
J	103,2	98,5	102,8	100,9	95,8	97,7	
J	100,0	98,6	100,7	97,7	98,9	94,9	
A	101,5	96,9	100,8	97,8	92,9	97,4	
S	101,5	95,7	99,5	97,1	97,7	98,1	
O	98,1	97,8	99,0	102,6	97,6	94,8	
N	97,6	97,6	101,2	99,1	98,9	97,8	
D	101,5	100,4	99,4	99,2	96,6	94,7	

Table 2 - Index of the physical volume of mining production excluding gold (Base 1995=100)

Month	1995	1996	1997	1998	1999	2000*	2001
Actual indices							
J	94,2	1996	99,8	100,4	96,3	100,1	104,9*
F	97,0	97,0	103,3	103,8	102,0	101,4	105,7*
M	98,9	100,1	97,7	107,8	104,7	104,9	109,6*
A	95,4	95,3	101,8	104,7	97,3	100,8	107,4*
M	99,1	100,0	107,0	105,6	111,7	104,2	113,2 ^{1/}
J	108,1	104,9	114,4	113,0	107,1	113,2	
J	100,1	103,6	107,5	105,5	110,0	106,7	
A	105,4	102,3	107,7	106,4	103,3	109,5	
S	106,1	104,0	104,7	105,8	107,1	110,9	
O	96,9	101,5	105,6	117,6	111,3	109,8	
N	100,2	102,1	106,0	111,1	114,7	116,5	
D	98,8	99,7	100,4	102,4	103,2	103,7	
Year	100,0	100,7	104,7	107,0	105,7	106,8	
Seasonally adjusted indices							
J	97,2	102,1	104,4	105,6	101,7	106,1	111,5
F	98,5	99,0	105,6	106,8	105,4	105,0	109,5
M	98,3	99,2	96,8	107,4	104,7	105,3	110,2
A	97,9	98,2	105,0	108,4	101,0	104,5	111,4
M	99,1	99,5	106,4	104,9	111,5	103,5	113,0
J	104,9	101,4	110,4	108,6	102,6	108,4	
J	98,5	102,1	106,0	103,8	108,9	105,4	
A	101,7	99,4	105,7	104,9	102,4	108,7	
S	103,2	101,5	102,7	104,5	106,3	110,7	
O	96,7	100,6	103,4	114,2	107,2	105,2	
N	98,3	100,0	103,2	107,6	110,3	111,5	
D	104,8	104,9	104,6	105,7	105,7	107,3	

* Revised

1/ Preliminary

Table 3 - Indices of physical volume of mining production according to major divisions, major groups and minerals (Base 1995=100)

Minerals	Weights	Actual indices				Seasonally adjusted indices		
		2000	2001		2000	2001		2000
			May ^{1/}	Apr. *		May	May	
Total, gold included	100,0	96,4	97,8	94,8	92,5	99,3	98,2	93,6
Total, gold excluded	57,5	106,8	113,2	107,4	104,2	113,0	111,4	103,5
Gold	42,5	82,3	76,9	77,8	76,7	80,7	80,3	80,3
Iron ore	3,0	105,1	115,0	103,1	106,1	111,0	105,7	102,4
Chrome	1,1	130,2	110,2	94,6	137,2	103,8	102,9	129,8
Copper	3,1	84,3	99,5	105,4	68,7	112,7	99,9	77,7
Manganese ore	1,3	120,4	106,7	105,9	125,0	104,6	110,8	123,2
Platinum	11,9	112,9	127,5	120,4	107,6	126,1	126,8	105,8
Nickel	1,5	122,9	141,4	125,8	130,1	136,3	135,1	126,3
Other metallic minerals	2,4	102,1	105,5	102,7	107,6	101,6	102,6	103,6
Diamonds	4,4	107,8	134,3	127,3	93,3	138,9	129,7	96,4
Coal	23,2	108,1	110,2	102,3	107,4	109,9	108,0	107,0
Building materials	3,5	90,8	74,8	92,7	93,0	72,5	90,0	90,3
Other non-metallic minerals	2,1	92,1	96,5	82,8	87,6	95,5	81,0	86,5

1/ Preliminary

* Revised

Table 4 - Total value of mineral sales including gold (R million)

Month	1995	1996	1997	1998	1999	2000*	2001
Actual values							
J	4 669,3	5 165,8	6 447,8	6 426,5	6 076,6	6 240,8	9 286,1*
F	4 234,9	4 604,1	5 159,4	5 924,3	5 766,7	7 115,6	9 767,6*
M	4 699,9	5 002,9	4 936,6	5 547,6	6 418,0	8 954,6	8 133,9*
A	4 413,1	5 380,9	5 576,8	5 662,1	5 673,0	7 518,0	8 616,0 ^{1/}
M	4 705,1	5 345,4	5 309,0	5 433,1	5 672,3	8 217,6	
J	4 525,3	4 994,7	5 445,9	6 017,2	6 358,5	8 226,0	
J	4 777,9	5 795,5	5 780,2	6 669,1	5 958,4	7 642,4	
A	4 667,3	5 478,2	5 546,2	6 318,5	6 812,2	8 225,4	
S	4 840,0	5 124,4	5 568,2	6 066,8	6 547,9	8 571,9	
O	5 323,0	6 227,5	6 026,2	6 454,7	6 006,1	8 322,7	
N	4 538,9	5 117,3	5 130,7	5 759,3	7 572,8	9 835,9	
D	3 805,3	4 868,1	5 386,8	6 356,9	7 345,3	9 501,4	
Year	55 200,0	63 104,8	66 313,8	72 636,1	76 207,8	98 372,3	
Seasonally adjusted values							
J	4 476,7	4 999,9	6 216,3	6 084,2	6 055,4	6 266,0	9 298,7
F	4 568,4	4 894,2	5 375,0	5 942,9	5 905,5	7 239,7	10 143,0
M	4 697,4	5 005,3	4 922,9	5 570,7	6 435,9	9 513,1	8 095,1
A	4 427,6	5 408,0	5 614,9	6 532,0	5 855,7	7 658,1	8 897,0
M	4 699,5	5 367,7	5 365,3	5 550,0	5 819,8	8 423,8	
J	4 638,7	5 083,6	5 492,9	5 957,1	6 276,0	8 035,7	
J	4 408,4	5 422,9	5 544,1	6 413,5	5 754,5	7 326,7	
A	4 527,1	5 361,2	5 446,3	6 234,1	6 679,6	8 182,3	
S	4 819,1	5 082,2	5 623,4	6 099,7	6 755,7	8 532,7	
O	4 943,0	5 827,1	5 673,5	6 268,2	5 954,5	8 456,7	
N	4 832,2	5 406,9	5 333,1	5 881,5	7 809,0	10 243,6	
D	4 141,8	5 154,8	5 538,0	6 345,0	7 169,4	9 149,4	

Table 5 - Total value of mineral sales excluding gold (R million)

Month	1995	1996	1997	1998	1999	2000*	2001
Actual values							
J	2 613,0	2 764,4	3 394,4	4 586,7	4 011,6	4 473,6	7 226,6*
F	2 454,1	2 612,9	3 280,4	4 187,7	3 804,8	4 963,7	7 776,7*
M	2 678,6	3 031,3	3 172,6	3 713,2	3 911,5	6 684,5	5 911,0*
A	2 391,9	2 828,6	3 441,4	3 779,7	3 768,9	5 786,9	6 809,8 ^{1/}
M	2 716,7	3 078,6	3 245,0	3 677,1	3 796,1	6 161,8	
J	2 751,4	3 104,0	3 663,5	4 121,5	4 380,5	5 912,1	
J	2 728,2	3 229,8	3 429,1	4 285,6	4 023,9	5 702,7	
A	2 577,6	3 066,3	3 555,0	4 122,2	4 915,2	5 894,5	
S	2 695,9	3 088,6	3 573,9	3 857,5	4 480,4	6 482,5	
O	2 824,7	3 539,0	3 566,4	4 183,8	3 948,1	6 052,1	
N	2 819,7	3 131,0	3 332,1	3 719,5	5 038,0	7 536,8	
D	2 615,0	3 148,0	3 583,0	4 106,8	5 138,1	7 448,9	
Year	31 866,8	36 622,5	41 236,8	48 341,3	51 217,1	73 100,1	
Seasonally adjusted values							
J	2 553,6	2 709,1	3 234,0	4 238,2	3 939,7	4 426,4	7 140,2
F	2 500,4	2 631,4	3 300,7	4 067,4	3 825,4	4 983,0	8 069,9
M	2 639,1	2 997,1	3 133,1	3 741,7	3 981,1	7 331,2	5 972,2
A	2 425,4	2 877,3	3 461,8	4 581,3	3 813,9	5 749,4	6 875,2
M	2 700,4	3 073,2	3 244,9	3 715,2	3 832,5	6 226,5	
J	2 607,7	2 956,4	3 542,8	3 941,1	4 226,9	5 676,2	
J	2 629,4	3 146,6	3 429,2	4 248,1	3 987,9	5 543,5	
A	2 534,0	3 039,0	3 517,8	4 097,0	4 831,7	5 906,4	
S	2 703,2	3 072,3	3 649,0	3 912,2	4 708,0	6 477,8	
O	2 802,2	3 520,2	3 529,9	4 250,1	4 076,6	6 351,8	
N	2 964,0	3 259,9	3 425,5	3 766,2	5 246,0	7 937,8	
D	2 851,2	3 346,0	3 693,9	4 092,6	4 987,0	7 135,6	

* Revised

1/ Preliminary

Table 6 - Total value of mineral sales according to major divisions, major groups and minerals
(R million)

Minerals	Actual value					Seasonally adjusted value		
	2000	2001		2000	2001		2000	
		Apr. ^{1/}	Mar. *	Apr.	Apr.	Mar.	Apr.	
Total, gold included	98 372,3	8 616,0	8 133,9	7 518,0	8 897,0	8 095,1	7 658,1	
Total, gold excluded	73 100,1	6 809,8	5 911,0	5 786,9	6 875,2	5 972,2	5 749,4	
Gold	25 272,0	1 806,3	2 222,9	1 731,1	2 021,8	2 122,9	1 908,7	
Iron ore	3 064,6	297,1	318,5	286,9	278,1	326,8	267,5	
Chrome	1 076,4	108,8	69,8	72,7	101,6	78,5	67,4	
Copper	1 577,7	161,8	240,5	124,4	179,8	210,4	138,0	
Manganese ore	1 232,2	128,3	69,7	82,3	108,2	64,2	69,9	
Platinum	27 094,5	2 676,6	2 397,8	1 928,0	2 774,0	2 271,8	2 009,8	
Nickel	2 051,0	112,6	150,6	150,1	124,0	153,3	162,2	
Other metallic minerals	2 840,7	265,3	196,4	198,5	293,2	209,8	220,8	
Coal	19 690,8	1 949,0	1 795,8	1 520,1	2 012,0	1 807,3	1 569,3	
Building materials	2 514,3	216,0	216,4	189,7	219,9	216,4	191,5	
- Granite or norite	675,1	54,8	49,6	58,2	51,9	57,4	54,8	
- Lime and limestone	792,5	69,5	70,4	55,8	72,6	69,6	58,0	
- Other building materials	1 046,7	91,7	96,4	75,8	95,4	89,4	78,7	
Other non-metallic minerals	11 958,1	894,2	455,5	1 234,2	784,4	633,7	1 053,0	

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* Revised