



Mining: production and sales

December 2002

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Key figures regarding mining production as at the end of December 2002

Actual estimates		December 2002	% change between December 2001 and December 2002	% change between October 2001 to December 2001 and October 2002 to December 2002	% change between January 2001 to December 2001 and January 2002 to December 2002
mining	Index of the physical volume of production				
	Gold	95,1	-0,7%	+1,1%	+1,1%
	Non-gold minerals	111,2	+13,8%	+7,2%	+1,3%
	Total	107,1	+10,2%	+5,8%	+1,2%

Seasonally adjusted estimates		December 2002	% change between November 2002 and December 2002	% change between July 2002 to September 2002 and October 2002 to December 2002
physical mining	Index of the volume of production			
	Gold	91,4	+0,6%	-1,5%
	Non-gold minerals	111,7	+2,1%	-0,2%
	Total	106,5	+1,8%	-0,5%

Key findings regarding mining production for the year 2002

Mining production higher than a year ago

Total mining production for the year 2002 increased by 1,2% compared with the year 2001.

The increase of 1,2% in the total mining production for the year 2002 compared with the year 2001 was due to an increase of 1,3% in the production of non-gold minerals and 1,1% in the production of gold during the above-mentioned period.

Key findings regarding mining production as at the end of December 2002

Mining production decreases

The total mining production for the fourth quarter of 2002, after seasonal adjustment, reflected a decrease of 0,5% compared with the third quarter of 2002. This decrease was mainly due to a seasonally adjusted decrease of 1,5% in the production of gold and 0,2% in the production of non-gold minerals during the fourth quarter of 2002 compared with the third quarter of 2002. The major contributors to the seasonally adjusted decrease of 0,2% in the production of non-gold minerals were platinum, iron ore and nickel mines.

Adjustment of the base period of the index of physical volume of mining production from 1995=100 to 2000=100

Following international practice of re-basing indices every five years, the base year of the index of physical volume of mining production has been changed from 1995=100 to 2000=100 with effect from the December 2002 statistical release.

The base period is the reference point of an index and is usually set at 100. Base periods have to be chosen carefully because different results can be obtained with different base periods. The following are important criteria for selecting base periods:

- The base period must be recent to ensure that as many as possible of the components of the index are included in both the base period and the current period. The more recent the base period, the more comparable the current indices are with those of the base period.
- Due to a large number of indices being published regularly, it is useful if they all have a common base period. The internationally accepted current base period is 2000.

To compare different indices or to compare the movements in a specific index over a period, it often becomes necessary to shift the base period of an index.

The re-basing of indices was done on all the mineral groups of mining, recalculating the weights based on the 2000 sales of minerals as per the Minerals Bureau. The average indices of the mineral groups for the year 2000 were equated to 100. Each index was transformed to the new base period by dividing each monthly index by the average annual index for the year 2000 and multiplying the result by 100.

As from January 2000, the composite index for total mining was obtained by re-weighting the indices of the mineral groups after re-basing. The current weights were revised based on the 2000 sales data supplied by the Minerals Bureau, Department of Minerals and Energy. For the period before 2000, the composite index for total mining was linked with the so-called linking method for consecutive periods. This re-weighted composite index for total mining differs slightly from the index obtained by dividing the previously published composite index for total mining by the year 2000 average.

Table A - Weights for the base year 1995=100 and base year 2000=100.

Mining divisions	Weights 1995=100	Weights 2000=100
Total, gold included	100,0	100,0
Total gold excluded	57,5	74,3
Gold	42,5	25,7
Iron ore	3,0	3,1
Chrome	1,1	1,1
Copper	3,1	1,6
Manganese ore	1,3	1,3
Platinum	11,9	27,6
Nickel	1,5	2,0
Other metallic minerals	2,4	2,8
Diamonds	4,4	8,3
Coal	23,2	20,1
Building material	3,5	2,6
Other non-metallic minerals	2,1	3,8

Key figures regarding mineral sales as at the end of November 2002

Actual estimates

	November 2002 R million	% change between November 2001 and November 2002	% change between September 2001 to November 2001 and September 2002 to November 2002	% change between January 2001 to November 2001 and January 2002 to November 2002
Mineral sales				
Gold	3 070,6	+14,8%	+27,2%	+46,6%
Non-gold minerals	8 136,5	+16,8%	+26,7%	+13,3%
Total	11 207,1	+16,3%	+26,9%	+21,7%

Seasonally adjusted estimates

	November 2002 R million	% change between October 2002 and November 2002	% change between June 2002 to August 2002 and September 2002 to November 2002
Mineral sales			
Gold	3 135,4	-10,1%	-2,5%
Non-gold minerals	8 382,7	-10,5%	+13,9%
Total	11 518,1	-10,4%	+8,8%

Key findings regarding mineral sales as at the end of November 2002

Mineral sales increase

The seasonally adjusted value of mineral sales at current prices for the three months ended November 2002 reflected an increase of 8,8% compared with the previous three months. Furthermore, the actual value of mineral sales at current prices for the three months ended November 2002 reflected an increase of 26,9% compared with the three months ended November 2001.

The increase of 8,8% in the seasonally adjusted value of mineral sales for the three months ended November 2002 compared with the previous three months can be attributed to an increase of 13,9% (+R3 233,5 million) in sales of non-gold minerals. This increase was partially counteracted by a decrease of 2,5% (-R261,0 million) in sales of gold.

The 26,9% increase in the actual value of mineral sales at current prices for the three months ended November 2002 compared with the three months ended November 2001 was mainly due to an increase of 27,2% (+R2 231,0 million) in sales of gold and 26,7% (+R5 395,3 million) in non-gold mineral sales. The increase of 26,7% in non-gold mineral sales was mainly due to increases of 87,9% (+R1 972,1 million) in sales of 'other' non-metallic minerals, 86,2% (+R349,2 million) in sales of nickel, and 34,8% (+R160,5 million) in sales of copper.

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

Mining division	Percentage contribution to mineral sales during September 2001 to November 2001	Quarterly percentage change between September 2001 to November 2001 and September 2002 to November 2002	Contribution (percentage points) to the percentage change in the sales 1/	Difference in total mineral sales between September 2001 to November 2001 and September 2002 to November 2002 R million
Gold	28,9	27,2	7,9	2 231,0
Non-gold minerals				
Iron ore	3,8	1,4	0,1	14,5
Copper	1,6	34,8	0,6	160,5
Manganese ore	1,1	27,9	0,3	84,0
Chromium	0,8	28,9	0,2	69,0
Platinum	25,7	24,3	6,2	1 768,7
Nickel	1,4	86,2	1,2	349,2
Other metallic minerals	3,2	21,3	0,7	193,9
Coal	22,9	10,1	2,2	653,7
Building materials	2,7	16,4	0,5	129,7
Other non-metallic	7,9	87,9	7,0	1 972,1
Total non-gold minerals	71,1	26,7	19,0	5 395,3
Total minerals	100,0	26,9	26,9	7 626,3

1/ The contribution to the percentage change in sales is calculated by multiplying the quarterly percentage change of each mineral with the percentage contribution to total mineral sales during September 2001 to November 2001, divided by 100.

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Forthcoming issues	Issue	Expected date of publication
	January 2003	11 March 2003
	February 2003	08 April 2003
	March 2003	13 May 2003
	April 2003	10 June 2003
	May 2003	08 July 2003
	June 2003	12 August 2003
	July 2003	09 September 2003
	August 2003	07 October 2003
	September 2003	11 November 2003
	October 2003	09 December 2003
	November 2003	13 January 2004

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 on the basis of mining production figures and mineral sales furnished by the Minerals Bureau, Department of Minerals and Energy. 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 mineral groups on a monthly basis.
 - 2 In accordance with international practice, the indices have to be re-based every five years to a new base year. The base year of the index of the physical volume of mining production has been changed from 1995=100 to 2000=100. Both actual and seasonally adjusted figures are presented.
 - 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 as more up-to-date information is available.
- Scope of the survey**
- 6 This survey covers mining establishments conducting activities regarding -
 - 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 8).
- 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 2000 supplied by the Minerals Bureau, Department of Minerals and Energy.
- Seasonal adjustment**
- 10 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.

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.

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|---------------------------------|-----------|---|
| Reliability of estimates | 11 | Estimates are subject to sampling and non-sampling errors. Figures for the latest month are preliminary. |
| Historical data | 12 | More comprehensive detail on the method of calculation and historical data in respect of the production indices according to mining mineral groups for the period January 1990 to November 2002 will be made available in statistical release P2041.1, entitled Mining statistics: Indices of the physical volume of mining production, Base: 2000=100, January 1990 to November 2002, published on 11 February 2003 on the Stats SA website www.statssa.gov.za. |
| 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

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 mineral group is the ratio between the volume of production of a mineral group in a given period and the volume of production of the same mineral group in the base period. The current base period is 2000. 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 May 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 mineral group is the ratio of the production of a mineral group to the total production of the mining industry. The weight of a mineral group reflects the importance of the mineral 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.

Table 1 - Index of the physical volume of mining production including gold (Base 2000=100)

Month	1996	1997	1998	1999	2000	2001	2002
Actual indices							
J	100,1	97,6	99,1	92,6	93,8	95,0	89,1
F	102,5	103,1	101,5	99,0	99,3	96,8	94,6
M	103,4	101,8	103,8	104,8	100,0	102,3	100,9
A	97,4	100,9	99,8	96,2	95,0	98,9	99,8
M	101,8	106,3	100,3	104,5	95,7	103,6	103,2
J	105,2	110,2	108,8	103,7	106,8	108,4	105,0
J	102,9	105,0	101,8	102,5	96,9	93,5	100,5
A	103,9	107,5	104,1	98,4	102,1	115,2	107,9
S	103,1	107,1	104,2	104,4	104,9	98,4	108,3
O	103,0	105,0	109,3	104,2	100,0	105,1	107,4
N	104,7	108,9	106,8	107,0	105,5	102,6	108,1
D	103,2	102,8	103,2	100,9	100,2	97,2	107,1
Year	102,6	104,7	103,6	101,5	100,0	101,4	102,7
Seasonally adjusted indices							
J	101,8	100,0	101,5	97,7	101,8	103,8	97,4
F	100,2	99,4	101,1	100,0	103,1	100,8	98,8
M	99,6	96,5	99,8	101,8	99,2	101,7	100,4
A	96,5	100,9	101,5	96,7	97,9	101,7	102,6
M	98,3	103,8	98,4	103,6	95,3	103,1	102,5
J	98,9	102,7	103,6	98,1	101,5	102,9	99,7
J	100,3	102,4	99,2	104,1	99,2	96,1	103,5
A	96,9	101,7	98,7	96,0	99,8	112,3	104,9
S	96,7	100,7	99,9	100,0	104,4	97,9	107,8
O	98,2	99,0	105,3	100,5	96,2	100,9	103,4
N	98,6	102,2	101,3	103,1	101,7	99,1	104,6
D	100,6	100,0	102,0	100,6	99,7	95,6	106,5

Table 2 - Index of the physical volume of mining production excluding gold (Base 2000=100)

Month	1996	1997	1998	1999	2000	2001	2002
Actual indices							
J	92,7	94,0	94,5	90,6	94,4	98,3	89,8
F	91,4	97,3	97,8	96,1	96,4	98,6	96,4
M	94,3	92,0	101,5	98,6	97,9	104,4	103,4
A	89,8	95,9	98,6	91,6	94,1	102,2	102,3
M	94,2	100,8	99,5	105,1	96,6	108,9	107,4
J	98,9	107,7	106,4	100,7	107,5	112,5	108,6
J	97,6	101,3	99,4	103,5	97,6	93,7	104,4
A	96,3	101,5	100,3	97,1	101,7	124,5	112,1
S	98,0	98,7	99,7	100,6	105,1	99,7	111,7
O	95,6	99,4	110,8	104,6	100,6	110,2	112,5
N	96,1	99,9	104,5	107,7	107,4	106,8	113,6
D	93,9	94,6	96,3	97,2	100,8	97,7	111,2
Year	94,9	98,6	100,8	99,5	100,0	104,8	106,1
Seasonally adjusted indices							
J	95,2	95,7	96,1	95,0	101,7	106,8	97,6
F	92,6	94,5	98,3	98,0	100,7	103,2	101,2
M	93,7	89,7	98,0	98,1	97,9	104,6	103,6
A	89,9	96,1	99,8	92,8	96,9	105,1	105,3
M	91,7	98,6	96,3	102,5	94,8	107,1	105,4
J	93,3	99,3	101,5	95,8	101,8	106,3	102,6
J	95,6	98,4	95,8	104,1	99,5	95,8	107,0
A	91,0	97,2	95,7	95,5	99,8	121,6	109,1
S	93,1	95,5	97,8	98,4	106,5	100,8	112,9
O	92,6	94,1	105,1	99,6	95,6	104,6	107,2
N	93,0	96,1	99,4	103,3	103,1	102,6	109,4
D	95,7	95,8	99,2	100,0	101,6	96,9	111,7

* Revised

Table 3 - Indices of physical volume of mining production according to mining divisions, mining groups and minerals (Base 2000=100)

Minerals	Weights	Actual indices				Seasonally adjusted indices		
		2002	2002		2001	2002		2001
			Dec.	Nov.*	Dec.	Dec.	Nov.	Dec.
Total, gold included	100,0	102,7	107,1	108,1	97,2	106,5	104,6	95,6
Total, gold excluded	74,3	106,1	111,2	113,6	97,7	111,7	109,4	96,9
Gold	25,7	92,7	95,1	92,2	95,8	91,4	90,9	91,9
Iron ore	3,1	106,7	95,4	97,0	104,8	96,8	92,2	107,3
Chrome	1,1	97,5	106,7	108,5	73,5	116,1	104,3	80,3
Copper	1,6	94,7	98,2	92,2	90,5	93,1	85,5	84,3
Manganese ore	1,3	94,7	102,4	106,2	79,7	106,7	102,4	83,3
Platinum	27,6	115,3	136,4	126,9	126,6	119,5	122,1	110,5
Nickel	2,0	103,9	95,6	104,8	111,5	99,9	100,6	116,8
Other metallic minerals	2,9	98,1	96,5	94,9	107,9	95,2	97,7	107,0
Diamonds	8,4	101,5	95,6	107,8	58,4	115,0	101,2	69,5
Coal	20,0	100,1	93,3	107,0	79,3	104,4	103,4	88,7
Building materials	2,6	98,6	103,6	106,6	79,5	121,7	105,3	94,1
Other non-metallic minerals	3,8	103,8	104,6	115,3	79,8	119,1	110,6	91,2

* Revised

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

Month	1996	1997	1998	1999	2000	2001	2002
Actual values							
J	5 165,8	6 447,8	5 577,2	6 098,8	6 244,1	9 241,5	11 385,8
F	4 604,2	5 159,4	5 316,4	5 763,6	7 115,7	9 711,7	10 646,4
M	5 002,8	4 936,6	5 547,6	6 445,1	8 958,5	8 134,9	11 588,8
A	5 380,9	5 576,8	5 662,1	5 706,5	7 521,3	8 554,2	11 120,0
M	5 345,1	5 309,0	5 433,1	5 702,9	8 222,7	9 675,9	12 127,8
J	4 994,8	5 445,9	6 017,2	6 391,3	8 222,5	10 640,7	11 605,3
J	5 795,5	5 780,3	6 669,1	5 996,1	7 640,3	10 155,2	10 705,9
A	5 478,0	5 546,2	6 318,5	6 852,9	8 223,4	9 593,5	11 522,1
S	5 124,5	5 568,2	6 066,8	6 548,3	8 568,9	8 718,6	12 059,2
O	6 227,7	6 026,1	6 446,0	6 005,9	8 317,6	10 012,7	12 729,7
N	5 117,2	5 130,8	5 994,9	7 573,0	9 828,5	9 638,4	11 207,1
D	4 868,2	5 386,9	6 343,0	7 346,9	9 474,9	11 340,1	
Year	63 104,7	66 314,0	71 391,9	76 431,3	98 338,4	115 417,4	
Seasonally adjusted values							
J	4 987,0	6 171,5	6 024,2	5 954,7	6 122,9	9 064,6	11 243,0
F	4 896,7	5 376,4	5 950,4	5 889,4	7 187,0	9 892,3	10 853,9
M	5 009,6	4 926,7	5 573,2	6 446,4	9 509,3	7 983,7	11 333,8
A	5 398,2	5 611,4	6 547,6	5 923,0	7 737,8	8 917,9	11 816,7
M	5 362,2	5 359,9	5 530,9	5 800,2	8 200,4	9 605,5	11 943,4
J	5 086,3	5 487,3	5 935,4	6 255,5	7 904,2	10 243,0	11 143,0
J	5 429,3	5 569,7	6 478,2	5 922,1	7 613,0	10 751,4	10 953,0
A	5 383,7	5 476,8	6 280,0	6 843,8	8 322,3	9 669,5	11 665,9
S	5 093,9	5 631,7	6 131,6	6 799,1	8 637,0	8 796,9	12 360,5
O	5 840,3	5 706,0	6 307,3	5 988,7	8 485,4	10 101,1	12 854,3
N	5 368,8	5 280,1	6 118,9	7 708,4	10 056,4	9 835,7	11 518,1
D	5 147,0	5 531,8	6 316,1	7 118,8	8 983,4	10 780,1	

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

Month	1996	1997	1998	1999	2000	2001	2002
Actual values							
J	2 764,4	3 394,4	3 737,4	4 033,9	4 476,9	7 181,9	8 001,1
F	2 613,0	3 280,4	3 579,7	3 801,6	4 963,8	7 720,8	7 381,7
M	3 031,1	3 172,6	3 713,2	3 938,7	6 688,4	5 912,0	8 060,5
A	2 828,6	3 441,4	3 779,7	3 802,4	5 790,2	6 748,0	7 406,9
M	3 078,3	3 245,0	3 677,1	3 826,7	6 166,9	7 139,7	8 602,1
J	3 104,1	3 663,5	4 121,5	4 413,3	5 908,5	8 245,9	8 006,0
J	3 229,8	3 429,2	4 285,6	4 061,6	5 700,6	7 788,5	7 270,6
A	3 066,1	3 555,0	4 122,2	4 956,0	5 892,6	6 949,6	7 954,0
S	3 088,7	3 573,9	3 857,5	4 480,8	6 479,6	6 226,4	8 506,3
O	3 539,1	3 566,2	4 175,0	3 947,8	6 047,1	6 984,6	8 927,3
N	3 130,9	3 332,1	3 955,1	5 038,1	7 529,4	6 963,8	8 136,5
D	3 148,1	3 583,1	4 092,9	5 139,7	7 422,4	8 544,7	
Year	36 622,2	41 236,8	47 096,9	51 440,6	73 066,4	86 405,9	
Seasonally adjusted values							
J	2 703,3	3 221,6	4 215,2	3 915,0	4 372,9	7 039,5	7 931,6
F	2 633,7	3 302,1	4 076,2	3 817,8	4 951,3	7 851,5	7 525,1
M	2 999,8	3 134,9	3 740,7	3 987,1	7 325,6	5 861,5	7 982,1
A	2 884,4	3 474,5	4 603,7	3 869,0	5 795,0	6 836,1	7 471,5
M	3 069,7	3 240,0	3 703,2	3 838,8	6 059,7	6 984,2	8 324,0
J	2 956,1	3 538,4	3 934,9	4 243,2	5 621,0	7 921,4	7 679,9
J	3 145,7	3 428,1	4 250,2	4 061,0	5 683,8	8 334,4	7 391,8
A	3 055,1	3 544,9	4 147,3	5 006,7	6 067,1	7 125,0	8 241,8
S	3 075,3	3 649,9	3 930,1	4 735,7	6 559,9	6 311,3	8 797,2
O	3 534,4	3 564,9	4 294,2	4 120,5	6 400,4	7 311,0	9 365,6
N	3 219,1	3 368,3	3 988,5	5 107,4	7 707,8	7 103,6	8 382,7
D	3 334,1	3 683,6	4 046,4	4 914,3	6 932,3	7 989,3	

* Revised

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

Minerals	Actual value					Seasonally adjusted value		
	2002	2002		2001	2002		2001	
		Nov.	Oct.*	Nov.	Nov.	Oct.	Nov.	
Total, gold included	137 660,2	11 207,1	12 729,7	9 638,4	11 518,1	12 854,3	9 835,7	
Total, gold excluded	96 311,8	8 136,5	8 927,3	6 963,8	8 382,7	9 365,6	7 103,6	
Gold	41 348,3	3 070,6	3 802,4	2 674,6	3 135,4	3 488,7	2 732,1	
Iron ore	5 118,4	376,0	335,0	471,0	351,9	350,3	441,8	
Chrome	1 134,0	108,9	89,2	98,1	101,5	101,5	90,9	
Copper	2 287,1	219,9	206,5	127,7	202,6	191,5	117,8	
Manganese ore	1 632,2	129,3	126,7	92,1	140,0	152,6	101,2	
Platinum	34 962,6	3 130,8	2 789,9	2 367,8	3 378,2	3 190,5	2 560,1	
Nickel	2 654,6	247,2	247,1	148,7	253,5	279,0	152,8	
Other metallic minerals	4 381,3	280,2	368,4	363,3	253,3	380,8	327,1	
Coal	28 607,1	2 309,9	2 387,5	2 242,5	2 310,2	2 332,3	2 236,9	
Building materials	3 297,1	307,4	312,5	250,6	295,6	282,7	239,0	
- Granite or norite	930,7	91,2	96,6	61,4	92,7	85,5	62,0	
- Lime and limestone	1 058,6	99,6	95,7	81,1	95,7	90,0	77,9	
- Other building materials	1 307,7	116,5	120,2	108,0	107,2	107,2	99,1	
Other non-metallic minerals	12 236,8	1 027,0	2 064,5	802,2	1 095,9	2 104,4	836,0	

* Revised

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