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STATISTICAL RELEASE
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Mining: Production and sales (Preliminary)

November 2024

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Contents

Production: results for November 2024

Table A – Key growth rates in the volume of mining production

	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Year-on-year % change, unadjusted	-3,4	-1,5	0,5	4,8	1,1	-0,9
Month-on-month % change, seasonally adjusted	-1,3	-1,2	3,4	4,2	-2,8	-0,2
3-month % change, seasonally adjusted [1]	-0,5	-2,9	-1,2	1,1	4,0	4,0

[1] Percentage change between the previous three months and the three months ending in the month indicated.

Mining production decreased by 0,9% year-on-year in November 2024. The largest negative contributors were:

- gold (-11,5% and contributing -1,5 percentage points);
- iron ore (-3,8% and contributing -0,5 of a percentage point);
- coal (-1,6% and contributing -0,3 of a percentage point); and
- diamonds (-11,4% and contributing -0,2 of a percentage point).

PGMs (4,0% and contributing 1,3 percentage points) and chromium ore (15,6% and contributing 0,7 of a percentage point) were the largest positive contributors – see Table 6 and Table 7.

Seasonally adjusted mining production decreased by 0,2% in November 2024 compared with October 2024. This followed month-on-month changes of -2,8% in October 2024 and 4,2% in September 2024 – see Table A.

Table B – Seasonally adjusted index of the volume of mining production for the latest three months by mineral group and mineral (Base: 2019=100)

Mineral group and mineral	Weight	Jun – Aug 2024	Sep – Nov 2024	% change between Jun – Aug 2024 and Sep – Nov 2024	Contribution (% points) to the % change in total mining production
Gold	13,73	85,6	84,0	-1,9	-0,2
Iron ore	15,04	81,5	89,2	9,4	1,3
Chromium ore	3,83	132,9	135,5	2,0	0,1
Copper [1]	0,69	106,7	113,3	6,2	0,0
Manganese ore	5,69	124,5	115,3	-7,4	-0,6
PGMs	30,16	93,7	100,4	7,2	2,2
Nickel [1]	1,06	76,0	81,8	7,6	0,1
Other metallic minerals [1]	2,41	79,2	91,4	15,4	0,3
Diamonds [1]	2,16	75,7	84,8	12,0	0,2
Coal	21,75	88,9	91,3	2,7	0,6
Building materials	2,91	88,7	90,4	1,9	0,1
Other non-metallic minerals	0,57	95,0	92,1	-3,1	0,0
Total	**100,00**	**92,0**	**95,7**	**4,0**	**4,0**

[1] Unadjusted. See notes 4, 5 and 6 on page 11.

Seasonally adjusted mining production increased by 4,0% in the three months ended November 2024 compared with the previous three months. The largest positive contributors were:

- PGMs (7,2% and contributing 2,2 percentage points);
- iron ore (9,4% and contributing 1,3 percentage points); and
- coal (2,7% and contributing 0,6 of a percentage point) – see Table B.

Figure 1 – Volume of mining production (Base: 2019=100)

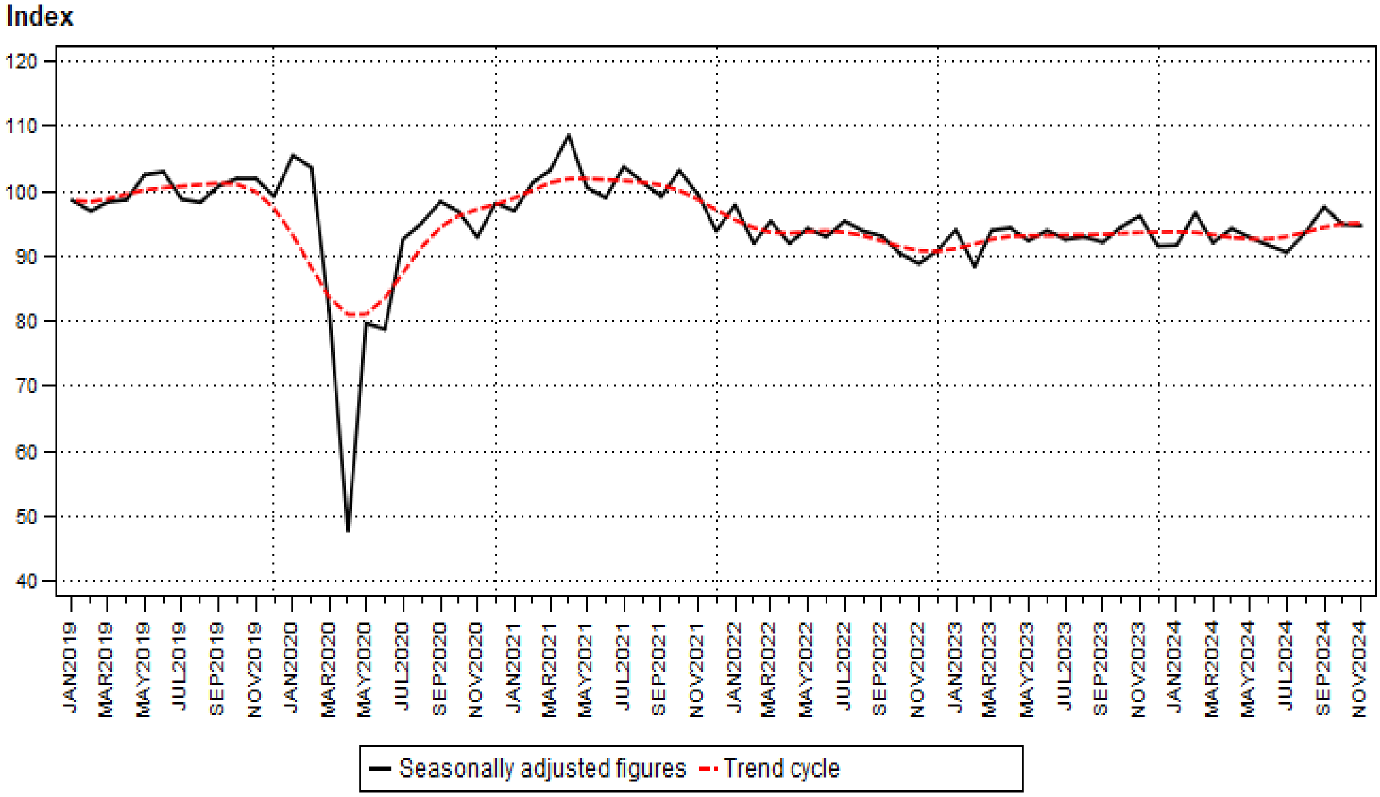
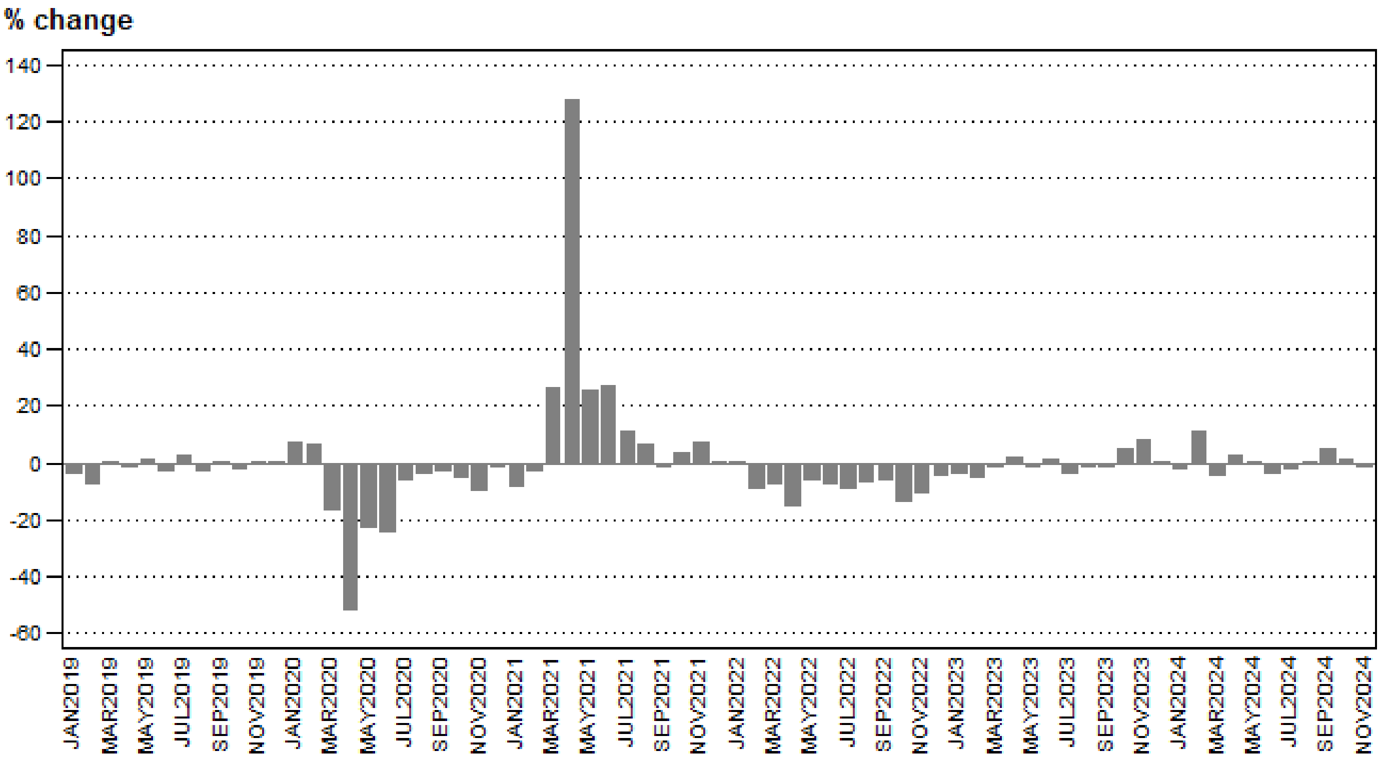


Figure 2 – Volume of mining production (Base: 2019=100): year-on-year percentage change



Sales: results for November 2024

Table C – Key growth rates in mineral sales at current prices

	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Year-on-year % change, unadjusted	18,1	25,5	-10,6	7,9	0,7	8,1
Month-on-month % change, seasonally adjusted	22,1	-0,8	-22,2	16,7	3,3	6,7
3-month % change, seasonally adjusted [1]	4,3	11,4	12,1	-1,4	-7,4	2,2

[1] Percentage change between the previous three months and the three months ending in the month indicated.

Mineral sales at current prices increased by 8,1% year-on-year in November 2024. The largest positive contributors were:

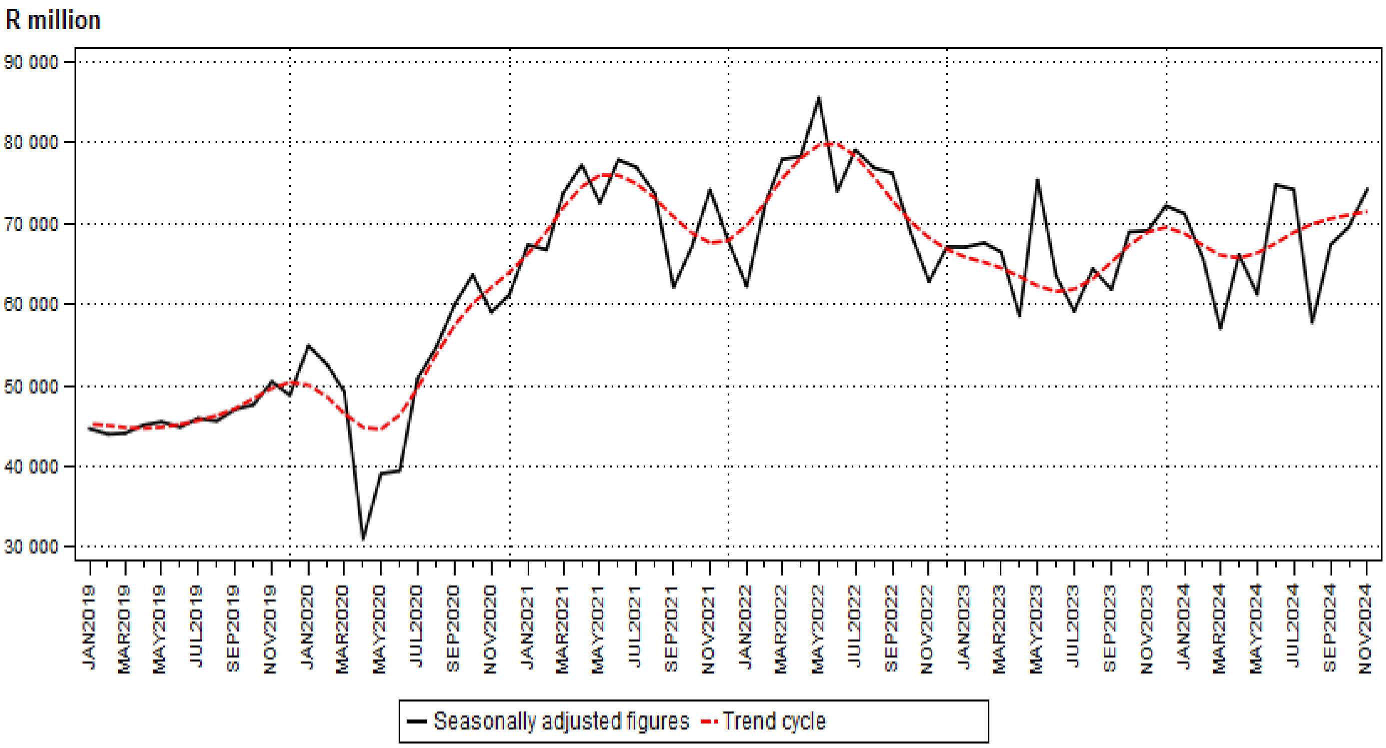
- gold (93,4% and contributing 11,4 percentage points);
- coal (8,5% and contributing 2,1 percentage points); and
- PGMs (4,3% and contributing 1,0 percentage point).

The largest negative contributor was iron ore (-28,2% and contributing -4,4 percentage points) – see Table 12 and Table 13.

Seasonally adjusted mineral sales at current prices increased by 6,7% in November 2024 compared with October 2024. This followed month-on-month changes of 3,3% in October 2024 and 16,7% in September 2024.

Seasonally adjusted mineral sales at current prices increased by 2,2% in the three months ended November 2024 compared with the previous three months.

Figure 3 – Total value of mineral sales at current prices



Risenga Maluleke
Statistician-General

Tables

Table 1 – Index of the volume of mining production (Base: 2019=100)

Month	2018	2019	2020	2021	2022	2023	2024
Jan	89,2	86,3	92,6	84,9	85,2	82,4	81,1
Feb	90,1	83,5	88,8	86,2	78,8	74,9	83,3
Mar	99,2	99,3	83,2	105,3	97,6	96,4	92,2
Apr	93,4	93,1	45,1	102,6	87,4	88,8	91,4
May	104,7	106,3	82,7	103,9	97,9	96,5	97,2
Jun	113,2	110,3	84,3	107,1	99,8	100,9	97,5
Jul	99,2	101,9	95,9	106,8	97,8	94,3	92,9
Aug	108,4	105,6	102,4	108,9	101,6	100,6	101,1
Sep	104,9	105,5	102,5	102,3	96,5	95,8	100,4
Oct	109,2	107,5	101,9	105,7	91,6	96,0	97,1
Nov	105,5	106,0	96,4	103,3	92,7	100,4	99,5
Dec	94,1	94,5	93,4	93,5	89,5	89,9	
Year	**100,9**	**100,0**	**89,1**	**100,9**	**93,0**	**93,1**	

Table 2 – Year-on-year percentage change in the volume of mining production

Month	2019	2020	2021	2022	2023	2024	***2024 year-to-date***
Jan	-3,3	7,3	-8,3	0,4	-3,3	-1,6	*-1,6*
Feb	-7,3	6,3	-2,9	-8,6	-4,9	11,2	*4,5*
Mar	0,1	-16,2	26,6	-7,3	-1,2	-4,4	*1,1*
Apr	-0,3	-51,6	127,5	-14,8	1,6	2,9	*1,6*
May	1,5	-22,2	25,6	-5,8	-1,4	0,7	*1,4*
Jun	-2,6	-23,6	27,0	-6,8	1,1	-3,4	*0,5*
Jul	2,7	-5,9	11,4	-8,4	-3,6	-1,5	*0,2*
Aug	-2,6	-3,0	6,3	-6,7	-1,0	0,5	*0,3*
Sep	0,6	-2,8	-0,2	-5,7	-0,7	4,8	*0,8*
Oct	-1,6	-5,2	3,7	-13,3	4,8	1,1	*0,8*
Nov	0,5	-9,1	7,2	-10,3	8,3	-0,9	*0,6*
Dec	0,4	-1,2	0,1	-4,3	0,4		
Year	**-0,9**	**-10,9**	**13,2**	**-7,8**	**0,1**		

Table 3 – Seasonally adjusted volume of total mining production

Month	Index (Base: 2019=100)				Month-on-month % change			
	2021	2022	2023	2024	2021	2022	2023	2024
Jan	97,0	97,9	94,1	91,7	-1,2	4,3	3,6	0,1
Feb	101,4	92,0	88,4	96,7	4,5	-6,0	-6,1	5,5
Mar	103,2	95,4	94,0	92,1	1,8	3,7	6,3	-4,8
Apr	108,6	92,0	94,4	94,3	5,2	-3,6	0,4	2,4
May	100,6	94,3	92,4	92,9	-7,4	2,5	-2,1	-1,5
Jun	99,0	93,0	94,0	91,7	-1,6	-1,4	1,7	-1,3
Jul	103,8	95,4	92,6	90,6	4,8	2,6	-1,5	-1,2
Aug	101,4	93,9	93,0	93,7	-2,3	-1,6	0,4	3,4
Sep	99,2	93,1	92,2	97,6	-2,2	-0,9	-0,9	4,2
Oct	103,2	90,4	94,5	94,9	4,0	-2,9	2,5	-2,8
Nov	99,5	88,9	96,2	94,7	-3,6	-1,7	1,8	-0,2
Dec	93,9	90,8	91,6		-5,6	2,1	-4,8	

Table 4 – Index of the volume of mining production by mineral group and mineral (Base: 2019=100) [1]

Mineral group and mineral	Weight	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Gold	13,73	85,0	91,2	92,4	90,9	97,5	86,6
Iron ore	15,04	93,6	85,5	90,7	89,7	69,2	85,8
Chromium ore	3,83	131,7	141,2	152,6	141,7	135,9	145,4
Copper	0,69	110,6	85,6	124,0	123,4	120,3	96,2
Manganese ore	5,69	133,0	140,5	137,8	123,7	112,7	111,9
PGMs	30,16	103,5	82,4	104,7	106,8	102,3	110,1
Nickel	1,06	70,8	67,7	89,4	93,7	73,1	78,6
Other metallic minerals	2,41	84,8	69,9	82,9	98,1	97,8	78,4
Diamonds	2,16	73,7	86,6	66,7	87,9	94,6	71,8
Coal	21,75	90,6	96,7	95,3	93,7	97,6	97,2
Building materials	2,91	88,0	96,1	98,9	91,8	103,8	100,9
Other non-metallic minerals	0,57	98,4	96,4	113,6	103,8	101,1	90,7
Total	**100,00**	**97,5**	**92,9**	**101,1**	**100,4**	**97,1**	**99,5**

[1] Annual averages and annual percentage changes are available on the following link: Annual data.

Table 5 – Seasonally adjusted index of the volume of mining production by mineral group and mineral (Base: 2019=100)

Mineral group and mineral	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Month-on-month % change
Gold	83,4	87,8	85,5	85,3	87,3	79,3	-9,2
Iron ore	82,8	80,5	81,1	95,2	82,0	90,5	10,4
Chromium ore	126,6	133,1	139,1	136,9	133,5	136,2	2,0
Copper [1]	110,6	85,6	124,0	123,4	120,3	96,2	-20,0
Manganese ore	120,5	128,8	124,2	125,3	110,0	110,6	0,5
PGMs	94,4	88,9	97,7	100,0	100,6	100,7	0,1
Nickel [1]	70,8	67,7	89,4	93,7	73,1	78,6	7,5
Other metallic minerals [1]	84,8	69,9	82,9	98,1	97,8	78,4	-19,8
Diamonds [1]	73,7	86,6	66,7	87,9	94,6	71,8	-24,1
Coal	88,8	88,3	89,6	90,7	90,6	92,6	2,2
Building materials	88,2	88,4	89,5	88,2	91,3	91,6	0,3
Other non-metallic minerals	99,5	91,2	94,3	96,9	88,6	90,8	2,5
Total	**91,7**	**90,6**	**93,7**	**97,6**	**94,9**	**94,7**	**-0,2**

[1] Unadjusted. See notes 4, 5 and 6 on page 11.

Table 6 – Year-on-year percentage change in the volume of mining production by mineral group and mineral

Mineral group and mineral	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Gold	-12,6	-3,5	-4,6	-3,7	-3,4	-11,5
Iron ore	3,5	-19,1	-15,1	9,8	-7,2	-3,8
Chromium ore	13,3	23,9	24,8	17,3	11,9	15,6
Copper	35,2	-17,0	8,5	15,9	14,7	-12,1
Manganese ore	5,2	27,0	16,3	13,3	-4,0	-0,1
PGMs	-5,8	-0,8	4,7	6,7	3,3	4,0
Nickel	-4,2	12,6	26,6	21,8	-8,5	-9,0
Other metallic minerals	-25,1	-41,3	-17,8	7,4	5,2	-5,8
Diamonds	-8,4	-0,5	-7,2	35,4	27,5	-11,4
Coal	-2,5	2,7	0,8	-4,0	1,3	-1,6
Building materials	-3,5	9,1	-0,3	3,7	8,2	2,4
Other non-metallic minerals	9,1	-4,9	-2,7	7,9	-2,6	-13,5
Total	**-3,4**	**-1,5**	**0,5**	**4,8**	**1,1**	**-0,9**

Table 7 – Contribution of each mineral group and mineral to the year-on-year percentage change in the volume of mining production (percentage points)

Mineral group and mineral	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Gold	-1,7	-0,5	-0,6	-0,5	-0,5	-1,5
Iron ore	0,5	-3,2	-2,4	1,3	-0,8	-0,5
Chromium ore	0,6	1,1	1,1	0,8	0,6	0,7
Copper	0,2	-0,1	0,1	0,1	0,1	-0,1
Manganese ore	0,4	1,8	1,1	0,9	-0,3	0,0
PGMs	-1,9	-0,2	1,4	2,1	1,0	1,3
Nickel	0,0	0,1	0,2	0,2	-0,1	-0,1
Other metallic minerals	-0,7	-1,3	-0,4	0,2	0,1	-0,1
Diamonds	-0,1	0,0	-0,1	0,5	0,5	-0,2
Coal	-0,5	0,6	0,2	-0,9	0,3	-0,3
Building materials	-0,1	0,2	0,0	0,1	0,2	0,1
Other non-metallic minerals	0,0	0,0	0,0	0,0	0,0	-0,1
Total	**-3,4**	**-1,5**	**0,5**	**4,8**	**1,1**	**-0,9**

Table 8 – Mineral sales at current prices (R million)

Month	2018	2019	2020	2021	2022	2023	2024
Jan	34 420,4	41 070,7	51 128,5	63 518,6	59 050,2	63 607,1	67 327,9
Feb	34 892,7	38 202,9	45 135,2	56 927,3	61 698,4	57 552,8	56 116,6
Mar	39 778,5	45 585,3	51 606,4	78 213,1	83 573,6	71 640,8	61 499,9
Apr	37 039,5	44 538,7	31 064,5	78 533,6	80 279,4	60 060,2	67 613,7
May	41 684,6	46 519,8	40 521,7	75 976,9	89 818,5	79 430,6	64 666,6
Jun	45 024,3	48 295,2	41 962,5	82 049,6	77 693,5	66 558,3	78 591,8
Jul	37 118,1	43 596,0	48 588,4	73 935,4	76 368,5	57 284,3	71 885,1
Aug	43 022,2	47 069,2	56 868,0	77 095,1	80 551,6	67 404,8	60 262,4
Sep	43 017,4	50 009,3	63 394,0	65 086,8	78 856,7	63 303,7	68 328,3
Oct	45 802,3	50 051,2	66 165,3	69 099,3	70 397,8	70 056,1	70 556,5
Nov	46 680,3	50 450,7	58 255,9	72 147,3	60 931,6	67 128,8	72 557,1
Dec	50 020,5	47 491,9	58 501,2	64 696,9	64 521,0	70 205,0	
Total	**498 500,8**	**552 880,9**	**613 191,6**	**857 279,9**	**883 740,8**	**794 232,5**	

Table 9 – Year-on-year percentage change in mineral sales at current prices

Month	2019	2020	2021	2022	2023	2024	*2024 year-to-date*
Jan	19,3	24,5	24,2	-7,0	7,7	5,8	*5,8*
Feb	9,5	18,1	26,1	8,4	-6,7	-2,5	*1,9*
Mar	14,6	13,2	51,6	6,9	-14,3	-14,2	*-4,1*
Apr	20,2	-30,3	152,8	2,2	-25,2	12,6	*-0,1*
May	11,6	-12,9	87,5	18,2	-11,6	-18,6	*-4,5*
Jun	7,3	-13,1	95,5	-5,3	-14,3	18,1	*-0,8*
Jul	17,5	11,5	52,2	3,3	-25,0	25,5	*2,5*
Aug	9,4	20,8	35,6	4,5	-16,3	-10,6	*0,8*
Sep	16,3	26,8	2,7	21,2	-19,7	7,9	*1,6*
Oct	9,3	32,2	4,4	1,9	-0,5	0,7	*1,5*
Nov	8,1	15,5	23,8	-15,5	10,2	8,1	*2,1*
Dec	-5,1	23,2	10,6	-0,3	8,8		
Total	**10,9**	**10,9**	**39,8**	**3,1**	**-10,1**		

Table 10 – Seasonally adjusted total mineral sales at current prices

Month	R million				Month-on-month % change			
	2021	2022	2023	2024	2021	2022	2023	2024
Jan	67 370,1	62 232,8	67 090,5	71 220,3	10,1	-8,3	0,0	-1,4
Feb	66 754,8	72 545,8	67 603,1	65 649,9	-0,9	16,6	0,8	-7,8
Mar	73 764,3	77 939,5	66 472,7	57 044,0	10,5	7,4	-1,7	-13,1
Apr	77 249,6	78 318,4	58 562,6	66 145,2	4,7	0,5	-11,9	16,0
May	72 555,9	85 581,7	75 381,3	61 266,2	-6,1	9,3	28,7	-7,4
Jun	77 897,1	73 979,2	63 520,5	74 792,8	7,4	-13,6	-15,7	22,1
Jul	76 959,3	79 101,9	59 144,4	74 227,8	-1,2	6,9	-6,9	-0,8
Aug	73 687,6	76 903,3	64 395,1	57 753,5	-4,3	-2,8	8,9	-22,2
Sep	62 166,9	76 245,3	61 854,5	67 400,5	-15,6	-0,9	-3,9	16,7
Oct	67 051,9	68 912,2	68 959,7	69 596,5	7,9	-9,6	11,5	3,3
Nov	74 187,3	62 821,8	69 116,3	74 284,2	10,6	-8,8	0,2	6,7
Dec	67 853,7	67 119,5	72 215,1		-8,5	6,8	4,5	

Table 11 – Mineral sales at current prices by mineral group and mineral (R million)

Mineral group and mineral	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Gold	19 847,9	20 492,5	2 268,3	10 862,7	15 764,4	15 780,1
Iron ore	6 921,8	5 553,0	8 789,5	7 150,8	5 224,8	7 577,9
Chromium ore	5 977,2	5 603,0	5 620,5	5 789,5	5 368,9	4 821,9
Copper	830,3	457,4	559,9	900,1	580,1	681,0
Manganese ore	6 289,1	5 706,9	6 217,7	5 202,5	3 088,2	2 791,4
PGMs	14 868,2	13 633,6	12 833,4	14 378,0	15 589,1	16 670,5
Nickel	1 234,3	667,2	869,1	753,9	909,2	935,1
Other metallic minerals	1 832,7	1 449,8	1 857,0	1 856,1	1 887,2	1 901,4
Coal	17 290,5	15 429,6	17 817,1	17 421,9	18 168,1	18 265,5
Building materials	1 107,3	1 242,5	1 282,4	1 201,1	1 255,2	1 210,2
Other non-metallic minerals	2 392,5	1 649,5	2 147,6	2 811,7	2 721,3	1 922,0
Total	**78 591,8**	**71 885,1**	**60 262,4**	**68 328,3**	**70 556,5**	**72 557,1**

Table 12 – Year-on-year percentage change in mineral sales at current prices by mineral group and mineral

Mineral group and mineral	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Gold	97,8	117,5	-80,5	42,3	4,1	93,4
Iron ore	-9,8	-31,4	5,9	1,6	-26,9	-28,2
Chromium ore	18,4	15,5	11,8	20,6	4,6	-7,9
Copper	67,4	-10,1	-8,8	37,0	18,5	0,9
Manganese ore	42,4	70,8	66,9	45,8	-17,3	-9,9
PGMs	-8,4	16,3	-5,4	-15,9	-0,5	4,3
Nickel	27,0	-22,6	4,1	-26,1	5,5	4,5
Other metallic minerals	-11,8	-22,8	5,8	11,7	28,9	-13,0
Coal	7,4	14,4	6,9	6,1	7,3	8,5
Building materials	-2,1	13,3	5,1	11,2	5,6	2,4
Other non-metallic minerals	0,1	-18,2	-46,9	20,7	18,0	-17,3
Total	**18,1**	**25,5**	**-10,6**	**7,9**	**0,7**	**8,1**

Table 13 – Contribution of each mineral group and mineral to the year-on-year percentage change in mineral sales at current prices (percentage points)

Mineral group and mineral	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Gold	14,7	19,3	-13,9	5,1	0,9	11,4
Iron ore	-1,1	-4,4	0,7	0,2	-2,7	-4,4
Chromium ore	1,4	1,3	0,9	1,6	0,3	-0,6
Copper	0,5	-0,1	-0,1	0,4	0,1	0,0
Manganese ore	2,8	4,1	3,7	2,6	-0,9	-0,5
PGMs	-2,0	3,3	-1,1	-4,3	-0,1	1,0
Nickel	0,4	-0,3	0,1	-0,4	0,1	0,1
Other metallic minerals	-0,4	-0,7	0,2	0,3	0,6	-0,4
Coal	1,8	3,4	1,7	1,6	1,8	2,1
Building materials	0,0	0,3	0,1	0,2	0,1	0,0
Other non-metallic minerals	0,0	-0,6	-2,8	0,8	0,6	-0,6
Total	**18,1**	**25,5**	**-10,6**	**7,9**	**0,7**	**8,1**

Explanatory notes

Introduction

1 Statistics South Africa (Stats SA) publishes monthly mining production indices and mineral sales based on the information furnished by the Department of Mineral Resources and Energy (DMRE). Data in this release are presented by mineral group and mineral.

2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base year of the index of the volume of mining production is 2019=100. Both actual and seasonally adjusted figures are presented.

3 The value of mineral sales is calculated, in general, on a free-on-rail/free-on-board basis.

Purpose of the survey

4 The monthly mining production and sales survey is conducted by the DMRE, covering all mining establishments operating in the South African economy. The results of this survey are used to calculate the 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.

Scope of the survey

5 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

6 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. Each statistical unit is classified to an industry which reflects the predominant activity of the establishment. Statistics in this publication are presented by mineral group and mineral.

Statistical unit

7 The statistical unit for the collection of information is the mining establishment. An establishment is the smallest economic unit that functions as a separate entity.

Revised figures

8 Revised figures are mainly due to late submission of data to the DMRE, or the DMRE reporting revisions or corrections to their figures. The reasons for routine revisions are outlined in the following schedule. Any unscheduled revisions will be promptly indicated in relevant tables to maintain transparency and accuracy. It is important to note that seasonally adjusted figures are revised monthly.

Statistical release	Reason for revision	Period subject to revision
Nov-24	Additional information from the DMRE	Jan-22 - Oct-24
Dec-24	Additional information from the DMRE	Jan-22 - Nov-24
Jan-25	Additional information from the DMRE	Jan-22 - Dec-24
Feb-25	Additional information from the DMRE	Jan-23 - Jan-25
Mar-25	Additional information from the DMRE	Jan-23 - Feb-25
Àpr-25	Additional information from the DMRE	Jan-23 - Mar-25
May-25	Additional information from the DMRE	Jan-23 - Apr-25
Jun-25	Additional information from the DMRE	Jan-23 - May-25
Jul-25	Additional information from the DMRE	Jan-23 - Jun-25
Aug-25	Additional information from the DMRE	Jan-23 - Jul-25
Sep-25	Additional information from the DMRE New weights for mining production	Jan-22 - Aug-25
Oct-25	Additional information from the DMRE	Jan-23 - Sep-25
New base year in 2027/28 - periodic, approximately four- to five-year intervals		

Rounding-off of figures

9 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.

Historical data and past publications

10 Historical mining data and past publications are available on the Stats SA website. Click on the following link (Time series data) or (Past publications) to access the data and releases electronically. Annual averages and annual percentage changes are available on the following link: Annual data.

Technical notes

Index of the volume of mining production

1 The index of the volume of mining production, also known as the 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 2019. The production in the base period is set at 100.

Index weighting

2 The weight of a mineral group is the ratio of its value added to the total value added 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 improvements and changes in relative prices. New weights will be calculated annually.

3 The weights, which are used to aggregate minerals to mineral groups and mineral groups to total mining, are derived from national accounts value added data. The latest weights (implemented in the September 2024 publication) are based on an average of value added data for the years 2019, 2020 and 2021. These weights are applicable from January 2021.

Seasonal adjustment

4 Seasonally adjusted estimates are generated each month using the X-12-ARIMA Seasonal Adjustment Program developed by the United States Census Bureau. 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 recognised more clearly. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month.

5 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. The X-12-ARIMA procedure for mining production and sales is described in more detail on the Stats SA website at: Click to download seasonal adjustment for mining production and sales February 2022.

Calendar effects

6 These are effects due to calendar variations. Such calendar effects include the number of working/trading days in a week, moving holidays such as Easter and the length of month (some months have more days than others).

Trend cycle

7 The trend is the long-term pattern or movement of a time series. The X-12-ARIMA Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimate the underlying trend cycle.

Month-on-month percentage change

8 The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.

Year-on-year percentage change

9 The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.

Index contribution (percentage points)

10 The contribution (percentage points) of a mineral group or mineral to the percentage change in the total mining production for a given period is calculated by multiplying the difference in the index for each mineral group or mineral by the weight of the mineral group or mineral and then dividing by the previous period's total index.

Sales contribution (percentage points)	**11**	The contribution (percentage points) to the percentage change in total sales for a given period is calculated by multiplying the percentage change of each mineral group or mineral with its percentage contribution to total mineral sales of the previous period, divided by 100.

Glossary

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

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

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 of All Economic Activities* (SIC), Fifth Edition of January 1993.

PGMs – Platinum group metals Platinum group metals include platinum, iridium, osmiridium, palladium, rhodium, ruthenium and osmium.

Sales Sales are the total value of sales of primary minerals at the first point of saleability by the mining establishment.

Symbols and abbreviations

DMRE	Department of Mineral Resources and Energy
GDP	Gross domestic product
ISIC	International Standard Industrial Classification of All Economic Activities
PGMs	Platinum group metals
SIC	Standard Industrial Classification of All Economic Activities
SNA	System of National Accounts
Stats SA	Statistics South Africa
*	Revised

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General 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 12 official languages. Since the releases are used extensively locally and by international economic and social-scientific communities, Stats SA releases are published in English.

Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za.

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
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Johannesburg Public Library
Eastern Cape Library Services, Qonce
Central Regional Library, Polokwane
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Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

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A large range of data is available via online services. For more details about our electronic services, contact Stats SA's user information service.

You can visit us on the internet at: www.statssa.gov.za.

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