



stats sa

Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA

Private Bag X44, Pretoria, 0001, South Africa, ISibalo House, Koch Street, Salvokop, Pretoria, 0002
www.statssa.gov.za, info@statssa.gov.za, Tel +27 12 310 8911

STATISTICAL RELEASE

P0151.1

Construction Material Price Indices

January 2024

**Embargoed until:
29 February 2024
12:00**

ENQUIRIES:
Andrew Rankhumise
Tel: (012) 406 3304

FORTHCOMING ISSUE:
February 2024

EXPECTED RELEASE DATE:
28 March 2024

Dipalopalo tsa Aforikaborwa • Dipalopalo tsa Aforika Borwa • Ezazibalo zaseNingizimu Afrika • Tshitatistika Afrika Tshipembe • Tinhlayo Afrika-Dzonga

Statistieke Suid-Afrika • Dipalopalo tša Aforika Borwa • Telubalo zaseNingizimu Afrika • EzeeNkcukacha maNani zoMzantsi Afrika • Iimbalobalo zeSewula Afrika

IMPROVING LIVES THROUGH DATA ECOSYSTEMS



Contents

Key findings 2

 Table 1: Contract price adjustment provisions (CPAP) work group indices 2

 Tables 2 and 3: Construction input price index (CIPI) 2

 Table 4: Mining and construction plant and equipment price indices 2

 Table 5: Mechanical and electrical engineering input price indices 2

 Table 6: Civil engineering material price indices 2

Notice of changes to construction material price index tables 3

Detailed results 4

 Table 1 – Contract price adjustment provisions (CPAP) work group indices 4

 Table 2 – Construction input price index (CIPI): material purchases by type of service 6

 Table 3 – Construction input price index (CIPI): material purchases for the whole industry 7

 Table 4 – Mining and construction plant and equipment price indices 8

 Table 5 – Mechanical and electrical engineering input price indices 8

 Table 6 – Civil engineering material price indices 8

Glossary 9

Abbreviations 9

General information 10

Key findings

Table 1: Contract price adjustment provisions (CPAP) work group indices

Noteworthy month-on-month changes in January 2024 were as follows:

Work group 114 – reinforcement: the index increased by 7,3%. There was a change of 9,7% in the PPI index for reinforcing metal work (accounting for 75,0% of this group).

Work group 132 – ironmongery: the index increased by 3,3%. There was a change of 4,2% in the PPI index for locks and padlocks, clasps, keys and parts thereof of base metal (accounting for 78,0% of this group).

Work group 129 – ceilings: the index increased by 2,6%. There were changes of 4,2% in the PPI index for ceiling boards (accounting for 60,0% of this group) and 0,3% in the PPI index for aluminium products (accounting for 10,0% of this group).

Work group 122 – non-metal roofing: the index decreased by 2,2%. There was a change of -5,5% in the PPI index for roof tiles (accounting for 40,0% of this group).

Work group 125 – metal roofing (aluminium): the index decreased by 2,3%. There was a change of -2,6% in the SEIFSA index for aluminium products 99.7 EC grade rod (accounting for 90,0% of this group).

Tables 2 and 3: Construction input price index (CIPI)

The annual change in the index for total construction was 7,8% in January 2024. The index increased by 2,8% month-on-month.

The following indices recorded noteworthy month-on-month changes:

- carpets (excluding mats and rugs) (7,5%);
- construction structural and reinforcing steel (6,1%);
- ready-mix concrete (5,8%);
- ceiling boards (4,2%);
- bituminous mixtures (-2,3%); and
- construction tyres (-4,2%).

Table 4: Mining and construction plant and equipment price indices

The annual change in the index for plant and equipment was 7,0% in January 2024. The index increased by 0,5% month-on-month.

Table 5: Mechanical and electrical engineering input price indices

The annual change in the index for mechanical engineering was 7,6% in January 2024. The index increased by 2,8% month-on-month.

The annual change in the index for electrical engineering was 7,1% in January 2024. The index increased by 0,8% month-on-month.

Table 6: Civil engineering material price indices

The annual change in the total index (civil engineering material) was 6,7% in January 2024. The index increased by 3,6% month-on-month.

Risenga Maluleke
Statistician-General

Notice of changes to construction material price index tables

The following changes take effect from this release for January 2024:

Index	Update weights	Update basket	New index reference (base) period
Contract price adjustment provisions (Table 1)	No	No	December 2023
Construction input price index (Tables 2 and 3)	Yes, using the: <ul style="list-style-type: none"> • supply and use tables (2020); • large sample survey (LSS) for the construction industry (2020); and • LSS for the manufacturing industry (2021) 	Yes	December 2023
Mining and construction plant and equipment price indices (Table 4)	Yes, using the: <ul style="list-style-type: none"> • LSS for the manufacturing industry (2021); and • South African Revenue Service (SARS) trade data (2021) 	Yes	December 2023
Mechanical and electrical engineering input price indices (Table 5)	Yes, using the: <ul style="list-style-type: none"> • supply and use tables (2020); and • LSS for the manufacturing industry (2021) 	Yes	December 2023
Civil engineering material price indices (Table 6)	Yes, using information from the: <ul style="list-style-type: none"> • South African Forum of Civil Engineering Contractors (SAFCEC); and • South African Institution of Civil Engineering (SAICE) 	No	December 2023

Detailed results

Table 1 – Contract price adjustment provisions (CPAP) work group indices

Base: Dec 2023=100

Year and month	102	104	106	110	111	112	113	114	
	Alterations	Earthworks	Piling	Concrete (excluding formwork)	Formwork	Precast concrete	Post tensioning	Reinforcement	
2023	Jan	95,0	94,4	96,5	98,3	96,2	98,5	97,4	102,9
	Feb	95,7	94,9	97,3	101,2	96,6	99,6	97,7	102,9
	Mar	96,7	95,5	97,0	98,6	97,7	99,4	99,1	102,9
	Apr	97,1	96,2	97,4	98,4	98,4	98,3	99,2	102,3
	May	97,2	96,3	97,6	98,3	98,5	98,4	99,2	103,1
	Jun	97,4	96,7	97,7	98,0	98,3	98,2	99,3	103,1
	Jul	98,3	99,0	99,7	99,7	98,2	98,5	99,5	101,9
	Aug	98,6	99,2	99,9	100,0	98,2	98,5	99,6	101,1
	Sep	99,2	99,6	100,0	99,9	98,8	98,8	99,7	101,2
	Oct	100,1	100,0	100,3	100,3	99,3	99,1	100,0	101,1
	Nov	100,0	99,9	100,2	100,1	99,9	99,3	100,0	101,3
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2024	Jan	100,1	100,3	101,9	102,0	101,1	102,3	100,0	107,3

Year and month	116	118	120	122	124	125	126	129	
	Brick and block work	Masonry	Water proofing	Non metal roofing	Metal roofing (steel)	Metal roofing (aluminium)	Carpentry and joinery	Ceilings	
2023	Jan	91,5	93,0	85,1	96,1	92,7	95,5	98,8	94,3
	Feb	93,6	94,3	86,6	100,9	92,8	100,3	99,1	94,5
	Mar	93,7	97,0	89,1	98,9	96,0	103,4	100,2	93,8
	Apr	92,4	98,3	90,3	100,1	100,5	96,6	100,7	96,7
	May	94,3	99,5	90,6	100,0	100,5	101,2	100,6	98,6
	Jun	94,4	98,6	95,3	99,3	98,7	105,7	100,5	98,8
	Jul	95,4	98,9	90,4	99,1	96,9	99,3	99,0	99,9
	Aug	97,0	99,6	92,6	99,0	97,0	92,8	99,1	100,5
	Sep	97,3	99,4	96,2	99,1	97,1	97,8	99,7	100,6
	Oct	96,4	98,4	100,4	98,5	97,2	99,2	99,5	101,1
	Nov	99,0	99,6	99,9	98,2	100,0	99,0	99,9	101,7
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2024	Jan	100,5	100,0	98,7	97,8	98,8	97,7	102,0	102,6

Year and month	130	132	134	136	138	140	141	142	
	Resilient floor and wall coverings	Ironmongery	Structural steelwork in buildings	Metalwork	Partitioning systems	Aluminium work	Stainless steel work	In situ finishes	
2023	Jan	98,7	90,0	95,7	96,3	98,7	98,9	101,0	96,2
	Feb	98,9	90,2	96,0	96,5	98,9	99,1	99,3	98,0
	Mar	99,2	91,9	97,6	98,4	99,6	96,3	107,5	97,3
	Apr	99,3	91,9	98,5	98,0	99,3	96,2	107,3	97,3
	May	99,3	92,4	98,9	98,4	99,7	99,4	105,3	97,6
	Jun	99,4	92,5	98,4	97,8	99,7	99,5	100,2	97,5
	Jul	99,6	95,8	98,1	97,2	98,3	97,0	100,7	98,6
	Aug	99,6	95,9	97,6	96,5	98,3	97,1	100,8	99,0
	Sep	99,8	96,0	98,1	97,0	98,8	97,2	99,9	99,3
	Oct	100,0	96,7	98,5	97,3	98,5	96,2	99,8	99,9
	Nov	100,0	96,6	100,0	99,0	99,3	100,0	99,7	100,0
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2024	Jan	101,7	103,3	101,0	101,1	102,0	100,2	100,1	100,6

Table 1 – Contract price adjustment provisions (CPAP) work group indices (concluded)

Base: Dec 2023=100

Year and month		144	146	148	149	150	152	154	160
		Tiling	Drainage	Plumbing	Aluminium shop fronts and pre-glazed windows	Glazing	Painting	Roadwork	Electrical installations
2023	Jan	93,7	94,4	94,3	97,5	97,1	96,2	94,4	94,9
	Feb	98,0	95,1	94,5	97,8	97,2	97,3	94,3	97,6
	Mar	98,6	95,9	98,8	96,8	97,3	99,3	95,5	100,0
	Apr	98,8	96,2	98,8	96,9	97,4	99,2	96,3	100,1
	May	98,8	96,5	98,7	98,2	97,4	100,0	95,6	100,1
	Jun	98,8	96,4	97,6	98,3	97,4	99,5	97,6	99,0
	Jul	99,3	99,2	99,7	97,4	97,5	99,6	97,0	98,6
	Aug	99,4	99,5	99,9	97,6	97,5	100,2	97,9	97,2
	Sep	99,6	99,7	99,8	98,7	99,9	100,5	100,0	98,9
	Oct	100,0	100,3	100,1	98,4	100,0	100,6	102,3	99,3
	Nov	100,0	100,2	100,1	100,0	100,0	100,4	100,8	98,8
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2024	Jan	100,1	99,8	99,9	100,1	100,0	100,6	100,9	99,4

Year and month		162	170	171	172	173	180	181	190
		Electrical reticulation	Mechanical services	Ductwork installations	Refrigeration installations	Steel water pipe installations	Lump sum domestic buildings	Commercial/ industrial buildings	Preliminaries
2023	Jan	93,4	94,8	94,2	95,2	96,0	94,8	95,7	95,1
	Feb	97,4	93,7	94,2	97,7	95,6	96,3	96,7	95,5
	Mar	100,7	95,1	96,1	99,4	96,9	97,2	97,8	96,3
	Apr	99,8	94,3	98,5	99,6	95,1	97,2	97,9	96,3
	May	100,9	94,9	98,7	99,5	96,9	97,7	98,1	96,0
	Jun	100,9	94,9	97,3	98,5	96,9	97,3	98,0	95,6
	Jul	99,2	97,1	98,3	100,7	99,5	97,9	98,5	97,3
	Aug	96,3	97,8	98,3	100,0	98,6	98,3	98,7	98,1
	Sep	98,6	99,0	98,1	100,7	98,2	98,9	99,4	100,5
	Oct	99,1	99,0	98,1	101,2	97,7	99,1	99,8	102,4
	Nov	98,2	99,4	100,0	100,0	99,0	99,7	100,0	101,7
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2024	Jan	99,1	99,5	99,5	101,6	99,4	100,4	100,7	99,3

Table 2 – Construction input price index (CIPI): material purchases by type of service

Service	Weight	Index (Dec 2023=100)			% change	
		Jan 2023	Dec 2023	Jan 2024	Jan 2024 vs. Dec 2023	Jan 2024 vs. Jan 2023
Total construction	100,00	95,4	100,0	102,8	2,8	7,8
Site preparation	1,57	92,6	100,0	103,3	3,3	11,6
Civil engineering; Building of complete structures	63,93	95,7	100,0	103,2	3,2	7,8
Building installation	16,98	94,7	100,0	100,9	0,9	6,5
Building completion	15,33	94,8	100,0	103,0	3,0	8,6
Renting of construction or demolition equipment with operators	2,19	98,4	100,0	100,7	0,7	2,3

Table 3 – Construction input price index (CIPI): material purchases for the whole industry

Product	Weight	Index (Dec 2023=100)			% change	
		Jan 2023	Dec 2023	Jan 2024	Jan 2024 vs. Dec 2023	Jan 2024 vs. Jan 2023
Total construction	100,00	95,4	100,0	102,8	2,8	7,8
Construction stone and sand	5,01	101,6	100,0	103,4	3,4	1,8
Aggregate stone	4,00	104,8	100,0	104,5	4,5	-0,3
Sand	0,50	100,1	100,0	98,5	-1,5	-1,6
Granite, sandstone and other monumental and building stone	0,51	91,4	100,0	99,9	-0,1	9,3
Carpets (excluding mats and rugs)	2,07	100,0	100,0	107,5	7,5	7,5
Builders' carpentry of wood	1,35	109,9	100,0	103,4	3,4	-5,9
Paints	2,75	98,4	100,0	101,5	1,5	3,2
Construction tyres	0,40	92,5	100,0	95,8	-4,2	3,6
Construction pipes, tubes and fittings	6,84	93,3	100,0	99,4	-0,6	6,5
Tubes, pipes, tube-fittings and pipe-fittings of copper	2,78	93,4	100,0	98,4	-1,6	5,4
Construction plastic pipes, tubes and fittings	4,06	92,7	100,0	100,0	0,0	7,9
Vinyl sheeting and flooring	1,28	100,0	100,0	100,0	0,0	0,0
Construction bricks and tiles	7,37	93,6	100,0	99,3	-0,7	6,1
Bricks	3,27	91,6	100,0	100,6	0,6	9,8
Tiles	4,10	95,6	100,0	98,4	-1,6	2,9
Cement	7,37	96,6	100,0	102,8	2,8	6,4
Ready-mix concrete	9,26	97,2	100,0	105,8	5,8	8,8
Prefabricated concrete and cement	1,93	92,8	100,0	100,1	0,1	7,9
Ceiling boards	0,25	92,4	100,0	104,2	4,2	12,8
Pre-mix asphalt	4,08	91,8	100,0	100,2	0,2	9,2
Bituminous mixtures	2,88	81,6	100,0	97,7	-2,3	19,7
Construction structural and reinforcing steel	26,69	98,1	100,0	106,1	6,1	8,2
Reinforcing metal work	14,43	106,0	100,0	109,7	9,7	3,5
Equipment for scaffolding, shuttering and propping	1,70	108,2	100,0	97,5	-2,5	-9,9
Welded angles, shapes and sections for use in manufactured structures	1,88	95,1	100,0	111,3	11,3	17,0
Steel door and window frames	8,68	90,9	100,0	100,0	0,0	10,0
Construction electric motors, generators or transformers	4,08	84,4	100,0	101,4	1,4	20,1
Electrical components	3,79	86,9	100,0	101,5	1,5	16,8
Electrical cable	6,78	95,7	100,0	100,3	0,3	4,8
Construction electricity distribution and control equipment	4,73	100,0	100,0	100,0	0,0	0,0
Nails, screws and metal fasteners	1,09	101,1	100,0	100,0	0,0	-1,1

Table 4 – Mining and construction plant and equipment price indices

Product	Weight	Index (Dec 2023=100)			% change	
		Jan 2023	Dec 2023	Jan 2024	Jan 2024 vs. Dec 2023	Jan 2024 vs. Jan 2023
Plant and equipment	100,00	93,9	100,0	100,5	0,5	7,0
Lifting and handling equipment and parts thereof	8,02	97,3	100,0	102,0	2,0	4,8
Machinery for mining, quarrying and construction and parts thereof	20,09	91,0	100,0	101,5	1,5	11,5
Moving, grading, levelling, scraping, excavating, tamping, compacting and extracting machinery	13,69	92,2	100,0	101,0	1,0	9,5
Machinery for sorting, screening, separating, washing, crushing, grinding, mixing and kneading of construction material	6,40	88,9	100,0	102,5	2,5	15,3
Lorries, trucks and vans exceeding 3,5 tons	71,89	94,5	100,0	100,0	0,0	5,8

Table 5 – Mechanical and electrical engineering input price indices

Service	Weight	Index (Dec 2023=100)			% change	
		Jan 2023	Dec 2023	Jan 2024	Jan 2024 vs. Dec 2023	Jan 2024 vs. Jan 2023
Mechanical engineering	100,00	95,5	100,0	102,8	2,8	7,6
Electrical engineering	100,00	94,1	100,0	100,8	0,8	7,1

Table 6 – Civil engineering material price indices¹

Product	Index (Dec 2023=100)			% change	
	Jan 2023	Dec 2023	Jan 2024	Jan 2024 vs. Dec 2023	Jan 2024 vs. Jan 2023
Civil engineering material - total	97,1	100,0	103,6	3,6	6,7
Civil engineering material (excluding bitumen)	98,7	100,0	103,9	3,9	5,3
Civil engineering material (excluding reinforcing metal work)	92,3	100,0	103,2	3,2	11,8
Civil engineering material (excluding reinforcing metal work and bitumen)	98,5	100,0	103,1	3,1	4,7
Civil engineering material - structures (excluding bitumen)	100,6	100,0	103,7	3,7	3,1
Civil engineering material - roads, general	96,5	100,0	102,3	2,3	6,0
Civil engineering material - roads, general (excluding bitumen)	101,7	100,0	103,5	3,5	1,8
Civil engineering material - roads, refurbishment	93,7	100,0	101,7	1,7	8,5
Civil engineering material - roads, refurbishment (excluding bitumen)	101,6	100,0	103,2	3,2	1,6
Civil engineering material - roads, reseal	87,2	100,0	99,5	-0,5	14,1
Civil engineering material - roads, reseal (excluding bitumen)	101,5	100,0	102,9	2,9	1,4
Civil engineering material - bulk earthworks	98,5	100,0	102,6	2,6	4,2
Civil engineering material - bulk earthworks (excluding bitumen)	100,3	100,0	102,9	2,9	2,6

¹ The information in this table is published in conjunction with engineering associations SAFCEC and SAICE.

Glossary

Construction Input Price Indices (CIPI)	The index reflects material purchases in the construction industry.
Contract Price Adjustment Provisions (CPAP)	The CPAP work group indices are used for making adjustments based on cost fluctuations in labour, plant and materials.
Contract Price Adjustment Provisions Steering Committee	The committee is the oversight structure for the Construction Price Adjustment Provisions published by Statistics South Africa (Stats SA) and includes representatives from the following industry associations and organisations: The Association of South African Quantity Surveyors (ASAQS), Electrical Contractors' Association (SA), Master Builders South Africa, South African Institute of Architects, Department of Public Works and Stats SA.
CPAP manuals	The updated CPAP manuals "CPAP Application Manual" and "CPAP Work Groups Composition and Weighting of Sub-Indices" are obtainable from ASAQS' website: www.asaqs.co.za – search for CPAP, or by phoning (012) 406 3304.
Respondent response rate	The respondent response rate for January 2024 was 98,7%. The rate was calculated using the total number of companies where prices were collected as a percentage of the total sample.
Sources for CPAP	The CPAP work group indices are derived from changes in the cost structures prevailing in 38 different work activities of the building industry and are published by Stats SA on a monthly basis. The indices reported on in this publication are mainly based on a combination of PPI, SEIFSA and CPI indices for the particular month.
Tax	Value-added tax (VAT) is not included in these indices.
Weights	Weights are updated according to the availability of new information, as follows: <ul style="list-style-type: none"> • Tables 1 and 6 are updated periodically in consultation with industry expert committees. • Tables 2, 3 and 5 are partially updated annually using Stats SA's supply and use tables, with effect from the January statistical release each year. • Table 4 is updated periodically using Stats SA's large sample survey for the manufacturing industry and SARS trade data. • Tables 2, 3, 4 and 5 are updated on a detailed level, using Stats SA's large sample surveys for the construction and manufacturing industries, approximately every three to four years.

Abbreviations

CIPI	Construction Input Price Indices
CPAP	Contract Price Adjustment Provisions
CPI	Consumer Price Index
PPI	Producer Price Index
SAFCEC	South African Forum of Civil Engineering Contractors
SAICE	South African Institution of Civil Engineering
SARS	South African Revenue Service
SEIFSA	Steel and Engineering Industries Federation of Southern Africa
r	Revised

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, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English only.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

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

Forthcoming issues

Issue	Expected release date
February 2024	28 March 2024
March 2024	25 April 2024
April 2024	30 May 2024

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
 Bloemfontein Public Library
 Johannesburg Public Library
 Eastern Cape Library Services, Qonce
 Central Regional Library, Polokwane
 Central Reference Library, Mbombela
 Central Reference Collection, Kimberley
 Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data are available via online services. For more details about our electronic data services, contact (012) 310 8600.

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

Technical enquiries

Andrew Rankhumise Telephone number: (012) 406 3304
 Email: AndrewR@statssa.gov.za

Mr HOFFIE Cruywagen Email: Hoffie.Cruywagen@up.ac.za

General enquiries

User information services Telephone number: (012) 310 8600
 Email: info@statssa.gov.za

Orders/subscription services Telephone number: (012) 310 8619
 Email: millies@statssa.gov.za

Postal address Private Bag X44, Pretoria, 0001

Produced by Stats SA