



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 Materials Price Indices

January 2022

Please note that the weights for Construction materials price indices (CMPI) have been updated with effect from the January 2022 statistical release. The indices were rebased to December 2021 = 100. Please see the note on page 3 for further information.

**Embargoed until:
24 February 2022
12:00**

ENQUIRIES:
Evashnie Govender
(012) 336 0176

FORTHCOMING ISSUE:
February 2022

EXPECTED RELEASE DATE:
31 March 2022

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

Statistieke Suid-Afrika • Dipalopalo tsa Aforika Borwa • Telubalo zaseNingizimu Afrika • EzeeNkcukacha maNani zoMzantsi Afrika • Iimbalo zeSewula Afrika

IMPROVING LIVES THROUGH DATA ECOSYSTEMS



CONTENTS

KEY FINDINGS: CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP)	3
KEY FINDINGS: CONSTRUCTION INPUT PRICE INDICES (CIPi)	3
NOTE	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 whole industry	7
Table 4 - Mining and construction plant and equipment price index	8
Table 5 - Mechanical and electrical engineering input price indices	8
Table 6 - Civil engineering material price indices ¹	8
EXPLANATORY NOTES	9
GLOSSARY	9
GENERAL INFORMATION	10

KEY FINDINGS: CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP)

In January 2022, month-on-month percentage changes in the CPAP work group indices ranged from -3,6% for work group 152 – painting to 6,3% for work group 110 – concrete (excluding formwork) (Table 1).

Noteworthy changes in January 2022 were as follows:

- **Work group 110:** The index increased by 6,3% month-on-month. There was an increase of 7,7% month-on-month in the PPI for cement (accounting for 45,0% of this work group), an increase of 8,4% month-on-month in the PPI for aggregated stone (accounting for 20,0% of this work group) and an increase of 8,5% month-on-month in the PPI for sand (accounting for 13,0% of this work group).
- **Work group 173:** The index increased by 4,6% month-on-month. There was an increase of 11,9% month-on-month in the PPI for steel pipes (accounting for 40,0% of this work group).
- **Work group 106:** The index increased by 3,6% month-on-month. There was an increase of 4,8% month-on-month in the PPI for plant index (accounting for 42,0% of this work group) and an increase of 7,7% month-on-month in the PPI for cement (accounting for 10,0% of this work group).
- **Work group 141:** The index increased by 3,5% month-on-month. There was an increase of 7,4% month-on-month in the SEIFSA index for stainless steel flat products cold rolled 304b (accounting for 25,0% of this work group) and an increase of 6,2% month-on-month in the SEIFSA index for stainless steel flat products cold rolled 316b (accounting for 25,0% of this work group).
- **Work group 152:** The index decreased by 3,6% month-on-month. There was a decrease of 10,7% month-on-month in the PPI for paints (accounting for 35,0% of this work group).

KEY FINDINGS: CONSTRUCTION INPUT PRICE INDICES (CIPi)

- **Total construction:** The index increased by 1,6% month-on-month (Table 2).
- **Civil engineering material – total:** The index increased by 3,0% month-on-month (Table 6).

NOTE

The weights for Construction materials price indices (CMPI, P0151.1) were updated with effect from the January 2022 statistical release.

High-level CMPI industry weights were derived from the 2018 supply and use tables (SUTs), which is the latest available set of SUTs from the recently benchmarked national accounts. The new high-level weights reflect proportions of value added from the SUTs, which is the same methodology that is used for calculating high-level weights in the producer price index. Previously, the CMPI high-level weights were based on Stats SA's construction industry large sample survey (LSS). Specific products within industry groups were selected using the 2017 Construction LSS (Report 50-02-01).

The new CMPI weights apply to Tables 2 to 5 in the statistical release. The contract price adjustment provisions (CPAP) indices (Table 1 in the monthly statistical release) and civil engineering material price indices (Table 6) are not affected by this reweighting process. Instead, the weights for these tables are updated from time to time in consultation with relevant industry expert committees.

All the indices were rebased to December 2021 = 100. Historical time series data are available on the Stats SA website: www.statssa.gov.za. Conversion factors for each index are available on request.

A detailed note is available on the Stats SA website. http://www.statssa.gov.za/?page_id=2528

Risenga Maluleke
Statistician-General

DETAILED RESULTS

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

Base: Dec 2021=100

Year and month		102	104	106	110	111	112	113	114
		Alterations	Earthworks	Piling	Concrete (excluding formwork)	Formwork	Precast concrete	Post tensioning	Reinforcement
2021	Jan	94,8	97,7	95,5	96,0	89,4	89,4	85,2	83,3
	Feb	95,4	97,4	96,9	99,0	91,5	92,8	85,3	89,2
	Mar	96,1	97,8	97,6	100,4	92,3	93,8	89,8	89,9
	Apr	96,7	97,8	97,9	100,9	93,7	95,2	92,7	92,1
	May	96,8	97,8	98,1	101,6	94,8	95,9	92,7	92,3
	Jun	97,0	98,1	99,2	100,6	97,4	98,8	99,5	99,6
	Jul	98,1	98,7	99,5	101,5	98,6	99,6	99,6	99,4
	Aug	98,5	98,9	99,4	100,0	98,7	99,3	99,7	99,6
	Sep	98,7	99,1	99,6	100,8	98,9	99,6	99,7	99,6
	Oct	99,0	99,3	99,6	100,5	99,5	99,8	99,8	99,5
	Nov	99,4	99,7	99,7	100,3	99,7	99,8	99,9	98,8
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2022	Jan	100,2	102,5	103,6	106,3	100,1	102,1	103,1	100,2

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
2021	Jan	93,3	97,4	78,8	90,5	76,1	76,4	92,6	91,3
	Feb	94,0	98,2	81,3	92,0	81,5	77,3	93,3	94,1
	Mar	94,3	96,5	84,9	93,1	81,6	79,2	94,8	94,6
	Apr	95,8	96,7	87,9	93,6	84,5	81,3	95,1	95,7
	May	95,9	96,7	87,5	93,6	91,8	83,1	95,3	95,2
	Jun	98,0	98,1	87,5	93,6	99,4	83,1	95,4	96,9
	Jul	98,6	99,1	89,0	93,6	99,5	84,9	98,6	97,5
	Aug	99,3	99,7	91,5	93,6	99,6	88,4	98,6	99,7
	Sep	99,6	100,3	93,0	100,3	99,6	90,7	98,8	99,9
	Oct	99,7	100,1	95,7	99,8	99,7	100,0	99,3	99,5
	Nov	99,8	100,3	100,6	99,9	99,9	104,8	99,8	99,8
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2022	Jan	100,9	101,1	98,7	100,5	100,0	101,4	100,2	100,8

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
2021	Jan	94,3	93,4	85,0	82,4	91,5	93,9	77,9	95,3
	Feb	94,4	93,5	88,6	86,9	92,3	94,1	78,2	97,0
	Mar	95,4	95,6	88,8	87,0	93,5	97,1	80,7	97,7
	Apr	98,2	95,7	91,4	90,1	94,0	97,4	84,0	98,5
	May	99,3	95,7	93,5	92,4	94,5	98,7	88,4	98,7
	Jun	99,3	98,2	99,3	99,8	95,5	98,8	88,0	98,4
	Jul	99,5	98,4	99,6	99,9	99,4	101,6	89,4	99,5
	Aug	99,7	98,5	99,8	100,0	99,5	101,7	89,5	99,1
	Sep	99,7	98,6	99,9	100,1	99,6	101,9	91,8	99,7
	Oct	99,8	98,6	100,0	100,1	99,4	99,6	96,0	99,8
	Nov	99,8	98,7	99,8	99,9	99,6	99,8	98,6	99,8
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2022	Jan	100,0	100,0	100,0	100,0	100,4	101,5	103,5	102,8

Base: Dec 2021=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
2021	Jan	96,5	89,0	86,5	87,7	79,1	92,3	88,9	78,2
	Feb	96,9	89,0	86,8	87,9	79,2	92,7	90,4	81,0
	Mar	97,3	90,7	88,5	89,3	79,2	93,1	93,3	82,6
	Apr	97,5	91,5	89,9	89,5	79,3	93,4	94,2	86,1
	May	97,6	92,0	91,3	91,6	82,8	96,0	94,3	89,2
	Jun	97,7	92,2	91,4	91,6	82,9	96,2	94,2	93,6
	Jul	98,1	92,6	91,9	97,7	94,1	96,6	94,4	92,3
	Aug	99,1	92,8	92,0	97,9	94,2	97,4	95,5	93,6
	Sep	99,5	97,5	96,4	97,9	94,2	99,3	95,4	94,1
	Oct	99,6	97,6	97,4	98,7	97,8	99,3	96,7	95,2
	Nov	99,8	98,6	98,6	98,9	97,8	99,3	99,6	98,3
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2022	Jan	100,1	100,1	101,0	100,7	100,0	96,4	103,2	100,5

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
2021	Jan	77,1	92,3	81,3	84,3	86,6	89,1	88,6	92,0
	Feb	80,2	93,4	85,6	86,4	88,9	90,6	90,3	92,7
	Mar	82,0	94,3	85,6	88,0	89,2	91,5	91,4	93,7
	Apr	86,3	93,8	87,8	91,6	90,1	93,0	92,9	94,5
	May	88,3	94,4	92,5	91,4	93,3	94,2	94,0	94,2
	Jun	92,8	95,3	98,5	95,0	96,3	96,1	95,8	94,6
	Jul	90,7	97,7	100,1	93,9	97,3	96,8	96,6	95,7
	Aug	92,6	98,0	100,1	95,2	98,6	97,2	96,9	96,6
	Sep	93,5	99,5	100,1	95,6	98,6	98,2	98,0	96,6
	Oct	94,9	99,5	100,1	95,8	98,2	98,6	98,5	97,0
	Nov	99,2	100,2	100,0	98,1	99,3	99,4	99,4	98,9
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2022	Jan	100,3	101,8	100,0	100,4	104,6	100,8	101,1	101,0

Table 2 - Construction input price index (CIPi): material purchases by type of service

Service		Weight	Index (Dec 2021=100)			Percentage change	
			Jan 2021	Dec 2021	Jan 2022	Jan 2022 vs. Dec 2021	Jan 2022 vs. Jan 2021
Total construction		100,00	88,7	100,0	101,6	1,6	14,5
	Site preparation	1,54	90,4	100,0	102,1	2,1	12,9
	Civil engineering: Building of complete structures	63,23	87,8	100,0	102,2	2,2	16,4
	Building installation	16,86	91,9	100,0	101,9	1,9	10,9
	Building completion	16,13	89,2	100,0	98,7	-1,3	10,7
	Renting of construction or demolition equipment with operators	2,24	87,4	100,0	102,0	2,0	16,7

Table 3 - Construction input price index (CIPPI): material purchases for whole industry

Product	Weight	Index (Dec 2021=100)			Percentage change	
		Jan 2021	Dec 2021	Jan 2022	Jan 2022 vs. Dec 2021	Jan 2022 vs. Jan 2021
Total construction	100,00	88,7	100,0	101,6	1,6	14,5
Construction stone and sand	4,55	95,7	100,0	107,1	7,1	11,9
Aggregate stone	3,25	95,5	100,0	108,4	8,4	13,5
Sand	0,39	95,8	100,0	108,5	8,5	13,3
Granite, sandstone and other monumental and building stone	0,91	99,4	100,0	101,8	1,8	2,4
Carpets (excluding mats and rugs)	2,19	91,4	100,0	100,0	0,0	9,4
Boards of wood	0,36	93,1	100,0	100,0	0,0	7,4
Builders' carpentry of wood	0,16	91,5	100,0	100,5	0,5	9,8
Paints	2,31	87,8	100,0	89,3	-10,7	1,7
Construction tyres	0,38	95,8	100,0	100,0	0,0	4,4
Construction pipes, tubes and fittings	5,35	81,8	100,0	100,1	0,1	22,4
Tubes, pipes, tube-fittings and pipe-fittings of copper	1,04	81,9	100,0	101,7	1,7	24,2
Concrete pipes	0,33	98,2	100,0	95,7	-4,3	-2,5
Construction plastic pipes, tubes and fittings	3,98	78,0	100,0	100,0	0,0	28,2
Adhesive and sealant	0,84	94,1	100,0	100,0	0,0	6,3
Vinyl sheeting and flooring	1,37	95,2	100,0	100,0	0,0	5,0
Construction bricks and tiles	7,48	95,1	100,0	100,7	0,7	5,9
Bricks	3,71	94,9	100,0	101,1	1,1	6,5
Tiles	3,77	97,5	100,0	100,3	0,3	2,9
Cement	8,27	96,7	100,0	107,7	7,7	11,4
Ready-mix concrete	9,91	109,8	100,0	102,1	2,1	-7,0
Ceiling boards	1,00	91,2	100,0	100,9	0,9	10,6
Roof sheeting	0,53	83,9	100,0	105,3	5,3	25,5
Pre-mix asphalt	3,92	79,2	100,0	99,9	-0,1	26,1
Bituminous mixtures	3,36	72,2	100,0	97,9	-2,1	35,6
Construction structural and reinforcing steel	25,10	80,3	100,0	100,8	0,8	25,5
Reinforcing metal work	9,01	79,7	100,0	100,2	0,2	25,7
Equipment for scaffolding, shuttering and propping	1,66	69,3	100,0	101,8	1,8	46,9
Welded angles, shapes and sections for use in manufactured structures	8,13	97,4	100,0	101,9	1,9	4,6
Steel door and window frames	6,30	92,6	100,0	100,0	0,0	8,0
Construction basic metal products	1,45	78,2	100,0	100,8	0,8	28,9
Bars and rods of iron or steel	0,86	78,9	100,0	100,2	0,2	27,0
Angles, shapes, sections and similar products of iron or steel	0,38	72,0	100,0	100,3	0,3	39,3
Wire of iron or steel	0,21	90,1	100,0	104,3	4,3	15,8
Construction pumps, compressors and refrigerator machinery	0,94	89,2	100,0	101,1	1,1	13,3
Construction electric motors, generators or transformers	3,77	95,6	100,0	99,9	-0,1	4,5
Electrical components	3,63	93,0	100,0	100,5	0,5	8,1
Electrical cable	5,93	89,7	100,0	103,3	3,3	15,2
Construction, distribution and control equipment	5,98	100,0	100,0	102,8	2,8	2,8
Nails, screws and metal fasteners	1,22	80,5	100,0	101,5	1,5	26,1

Table 4 - Mining and construction plant and equipment price index

Product	Weight	Index (Dec 2021=100)			Percentage change	
		Jan 2021	Dec 2021	Jan 2022	Jan 2022 vs. Dec 2021	Jan 2022 vs. Jan 2021
Plant and equipment	100,00	100,8	100,0	104,8	4,8	4,0
Lifting and handling equipment and parts thereof	5,55	100,0	100,0	102,8	2,8	2,8
Machinery for mining, quarrying and construction and parts thereof	17,94	103,2	100,0	102,5	2,5	-0,7
Moving, grading, levelling, scraping, excavating, tamping, compacting and extracting machinery	11,78	103,3	100,0	101,6	1,6	-1,6
Machinery for sorting, screening, separating, washing, crushing, grinding, mixing and kneading of construction material	6,16	102,9	100,0	104,3	4,3	1,4
Lorries, trucks and vans exceeding 3,5 tons	76,51	99,3	100,0	105,5	5,5	6,2

Table 5 - Mechanical and electrical engineering input price indices

Service	Weight	Index (Dec 2021=100)			Percentage change	
		Jan 2021	Dec 2021	Jan 2022	Jan 2022 vs. Dec 2021	Jan 2022 vs. Jan 2021
Mechanical engineering	100,00	82,3	100,0	101,1	1,1	22,8
Electrical engineering	100,00	88,6	100,0	104,4	4,4	17,8

Table 6 - Civil engineering material price indices¹

Product	Index (Dec 2021=100)			Percentage change	
	Jan 2021	Dec 2021	Jan 2022	Jan 2022 vs. Dec 2021	Jan 2022 vs. Jan 2021
Civil engineering material - total	85,0	100,0	103,0	3,0	21,2
Civil engineering material (excluding bitumen)	88,6	100,0	103,9	3,9	17,3
Civil engineering material (excluding reinforcing metal work)	87,2	100,0	103,5	3,5	18,7
Civil engineering material (excluding reinforcing metal work and bitumen)	91,7	100,0	104,8	4,8	14,3
Civil engineering material - structures (excluding bitumen)	85,7	100,0	103,9	3,9	21,2
Civil engineering material - roads, general	85,9	100,0	103,4	3,4	20,4
Civil engineering material - roads, general (excluding bitumen)	89,6	100,0	104,8	4,8	17,0
Civil engineering material - roads, refurbishment	84,9	100,0	103,4	3,4	21,8
Civil engineering material - roads, refurbishment (excluding bitumen)	92,0	100,0	105,9	5,9	15,1
Civil engineering material - roads, reseal	77,5	100,0	100,7	0,7	29,9
Civil engineering material - roads, reseal (excluding bitumen)	91,6	100,0	106,5	6,5	16,3
Civil engineering material - bulk earthworks	87,6	100,0	104,2	4,2	18,9
Civil engineering material - bulk earthworks (excluding bitumen)	89,2	100,0	104,8	4,8	17,5

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

EXPLANATORY NOTES

Contract Price Adjustment Provisions (CPAP)	The CPAP work group indices are used for making adjustments based on cost fluctuations in labour, plant and materials.
Sources for CPAP	The CPAP work group indices are derived from changes in the cost structures prevailing in 37 different sectors 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.
Contract Price Adjustment Provisions Steering Committee	The Committee is the oversight structure for the Construction Price Adjustment Provisions published by Statistics South Africa as release number P0151.1 and comprises of representatives of the following industry associations and organisations: The Association of South African Quantity Surveyors, Electrical Contractors' Association (SA), Master Builders South Africa, the South African Institute of Architects, and the National Department of Public Works and Statistics South Africa.
Tax	Value added tax (VAT) are not included in these indices.
CPAP manuals	The updated CPAP manuals "CPAP Application Manual" and "CPAP Work Groups Composition and Weighting of Sub-Indices" are obtainable from The Association of the South African Quantity Surveyors – ASAQS, website: www.asaqs.co.za - search for CPAP, or by phoning (012) 310 8077.
Construction Input Price Indices (CIPI)	The index reflects material purchases in the construction industry

GLOSSARY

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

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 2022	31 March 2022
March 2022	28 April 2022
April 2022	26 May 2022

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 is available via on-line services. For more detail about our electronic data services, contact Stats SA's user information service at (012) 310 8600.

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

Enquiries

Telephone number - technical enquiries	Evashnie Govender (012) 336 0176
Telephone number - other	(012) 310 8600 / 8390 / 8351 / 4892 / 8496 / 8095 (user information services) (012) 310 8490 (library)
Fax number	(012) 310 8332
Email address	evashnieg@statssa.gov.za (technical enquiries) info@statssa.gov.za (user information services) Enquiries in connection with contract price adjustment provisions should be directed, in writing, to Mr Hoffie Cruywagen (Hoffie.Cruywagen@up.ac.za).
Postal address	Private Bag X44, Pretoria, 0001

Produced by Stats SA