

**STATISTICAL RELEASE**  
**P0151**

**Contract Price Adjustment Provisions (CPAP)**  
**Work Groups and Selected Materials Indices**

January 2017

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**ENQUIRIES:**  
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## KEY FINDINGS

### Monthly changes in the CPAP indices

*In January 2017, month-on-month percentage changes in the work group indices ranged from -2,2% for work group 126 to 5,1% for work group 120.*

Noteworthy changes in the results for January 2017 are as follows:

- **Work group 120:** The monthly percentage increase of 5,1% reflected by this index was mainly due to a 27,1% monthly increase in the PPI for Joint Sealant, which accounts for approximately 12,0% of the work group 120 index.
- **Work group 154:** The monthly percentage increase of 3,2% reflected by this index was mainly due to a 14,2% monthly increase in the PPI for Bitumen, which accounts for approximately 21,0% of the work group 154 index.
- **Work group 114:** The monthly percentage increase of 3,1% reflected by this index was mainly due to a 3,9% monthly increase in the PPI for Reinforcing steel, which accounts for approximately 75,0% of the work group 114 index.
- **Work group 126:** The monthly percentage decrease of 2,2% reflected by this index was mainly due to a 6,0% monthly decrease in the PPI for Imported Meranti, which accounts for approximately 20,0% of the work group 126 index.

### Note: rebasing of indices

All CPAP indices have been rebased so that December 2016 equals 100. This aligns the CPAP to the consumer price index and production price index, which also have base December 2016 equal to 100.

Rebasing is an exercise where the levels of the indices are changed so that a certain period in time is set as 100. Rebasing is required periodically to preserve the accuracy of the weights. Conversion factors are calculated to change the level of all the historical indices. The conversion factors are calculated as 100 divided by December 2016 index on base period February 1991=100 (with the exception of work group 113 with a previous base of 100 in January 2005).

The historical, published rates of change in the indices are retained.

The conversion factors are available from Richard Klaas: richardk@statssa.gov.za

**PJ Lehohla**  
**Statistician-General**

## DETAILED RESULTS

Table 1 - Work group indices

Base: Dec 2016=100

Year and month		102	104	106	110	111	112	113	114
		Alterations	Earthworks	Piling	Concrete (excluding formwork)	Formwork	Precast concrete	Post tensioning	Reinforcement
2016	Jan	94,4	95,4	94,9	101,6	94,2	91,8	79,3	83,2
	Feb	95,7	96,2	96,3	103,7	95,2	94,2	83,4	86,4
	Mar	96,4	97,1	96,4	101,3	96,0	94,0	83,6	86,6
	Apr	97,2	97,7	97,4	101,3	97,3	95,4	87,2	90,7
	May	97,3	98,1	98,6	100,2	97,4	97,2	92,4	96,8
	Jun	97,9	98,9	99,0	99,8	97,8	98,4	92,5	97,0
	Jul	98,7	99,5	99,2	100,1	98,3	98,5	92,6	95,6
	Aug	98,6	99,7	99,5	100,6	98,3	98,6	95,4	95,6
	Sep	98,8	99,8	99,4	100,1	99,3	99,0	95,4	95,6
	Oct	99,3	99,9	99,4	100,1	99,6	99,1	95,5	95,7
	Nov	99,6	100,0	99,4	100,2	99,8	99,2	95,6	95,8
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2017	Jan	100,6	100,3	100,6	100,4	100,3	100,7	100,2	103,1

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
2016	Jan	96,8	98,3	88,9	94,3	75,2	95,0	92,5	96,1
	Feb	97,9	99,2	88,3	98,1	79,4	101,4	94,2	97,5
	Mar	98,0	99,2	89,2	98,8	80,9	101,5	94,7	98,3
	Apr	98,3	99,8	90,0	99,2	81,0	101,8	95,3	99,0
	May	98,2	99,9	90,2	99,0	85,9	99,6	95,5	99,1
	Jun	97,7	99,8	93,0	99,3	91,0	99,7	96,4	99,4
	Jul	98,2	99,6	93,6	99,9	91,1	99,8	96,4	99,8
	Aug	98,3	100,1	96,3	100,3	91,1	99,0	96,4	100,4
	Sep	99,0	99,8	99,5	100,9	91,1	99,0	99,9	100,0
	Oct	99,1	100,5	99,8	100,9	93,2	99,0	99,8	100,2
	Nov	99,5	100,1	100,0	101,3	100,0	99,9	99,8	100,5
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2017	Jan	99,5	100,1	105,1	100,1	100,1	100,1	97,8	100,6

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
2016	Jan	92,2	94,3	96,1	90,6	93,2	97,1	95,8	96,7
	Feb	93,2	94,6	96,9	92,5	95,1	101,8	96,2	98,3
	Mar	92,7	96,7	97,4	92,7	95,7	102,1	96,7	98,1
	Apr	96,5	98,1	97,9	93,7	96,3	102,4	97,6	98,6
	May	96,7	99,4	98,2	95,0	96,5	99,6	97,8	98,2
	Jun	96,8	99,5	98,7	99,3	97,7	99,9	99,8	98,4
	Jul	97,1	99,7	99,2	99,5	98,1	100,2	98,1	99,1
	Aug	97,1	99,7	99,1	99,5	98,3	99,4	99,1	99,1
	Sep	97,1	99,7	99,2	99,6	99,7	99,5	100,2	99,2
	Oct	99,9	99,8	99,5	99,7	99,9	99,7	100,5	99,5
	Nov	99,9	99,9	99,7	99,9	100,1	99,8	97,9	99,7
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2017	Jan	100,1	100,1	100,3	100,2	99,1	100,2	100,4	100,5

**Table 1 - Work group indices (concluded)**

**Base: Dec 2016=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
2016	Jan	96,7	93,8	95,4	94,6	92,5	95,2	97,0	87,2
	Feb	97,2	94,6	97,0	99,6	99,6	96,4	96,2	91,0
	Mar	97,6	96,3	97,7	99,9	99,6	97,0	94,3	91,2
	Apr	98,0	96,9	98,3	100,3	99,7	97,5	95,5	92,2
	May	98,0	98,2	98,8	99,2	99,7	98,0	95,7	91,2
	Jun	98,7	98,7	99,2	99,5	99,8	98,6	99,3	94,3
	Jul	99,0	98,7	99,1	99,8	99,9	99,1	101,0	94,3
	Aug	99,0	99,1	99,2	99,5	99,9	99,6	101,8	94,0
	Sep	99,1	99,2	99,4	99,5	99,9	99,2	99,5	92,4
	Oct	99,7	99,5	99,6	99,7	99,9	99,5	100,4	92,1
	Nov	99,8	99,7	99,1	99,8	99,9	99,7	101,0	94,8
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2017	Jan	100,3	102,0	101,2	100,2	100,1	100,6	103,2	101,3

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	Lump sum preliminaries
2016	Jan	91,1	93,2	84,6	92,1	89,8	93,2	92,9	94,7
	Feb	95,5	93,8	86,5	94,5	89,8	95,1	94,8	95,3
	Mar	94,1	94,2	87,1	94,2	90,1	95,4	95,0	96,0
	Apr	95,2	94,6	87,1	96,8	90,6	96,2	96,0	97,0
	May	92,2	95,1	89,5	93,2	91,3	96,4	96,4	97,6
	Jun	96,3	95,3	91,8	94,3	91,7	97,4	97,4	98,6
	Jul	94,2	99,2	95,9	95,7	96,2	97,7	98,0	99,5
	Aug	93,7	99,2	95,9	95,9	96,2	97,8	98,0	99,3
	Sep	91,9	99,3	95,9	92,9	96,2	98,0	98,1	99,1
	Oct	91,1	99,5	95,9	93,4	96,2	98,4	98,4	99,4
	Nov	92,9	99,6	95,9	93,3	98,5	99,1	99,1	99,9
	Dec	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2017	Jan	101,3	99,8	100,0	101,4	100,2	100,2	100,5	100,6

**Table 2 - Supply index (This is not a CPAP work group index but is published for general information)**

Year and month		Steel bar reinforcement - supplied, cut, bent and delivered Dec 2016=100
2016	Jan	83,0
	Feb	85,8
	Mar	85,8
	Apr	89,6
	May	95,5
	Jun	95,5
	Jul	96,1
	Aug	96,1
	Sep	96,1
	Oct	96,1
	Nov	96,1
	Dec	100,0
2017	Jan	103,1

## Explanatory notes

<b>Contract Price Adjustment Provisions (CPAP)</b>	The contract between Statistics South Africa and JBCC expired on 31 December 2011. No new subscriptions are available.
<b>Source</b>	The CPAP statistical release consists of indices derived from changes in the cost structures prevailing in 37 different sectors of the building industry and is 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.
<b>Haylett Formula</b>	The indices contained in this release are calculated and published for use in conjunction with the "Haylett Formula".
<b>Tax</b>	Sales tax (GST) and value added tax (VAT) are not included in these indices.
<b>CPAP manuals</b>	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: <a href="http://www.asaqs.co.za">www.asaqs.co.za</a> - search for CPAP, or by phoning (012) 310 2185.

## Glossary

<b>JBCC</b>	Joint Building Contracts Committee
<b>SEIFSA</b>	Steel and Engineering Industries Federation of Southern Africa

## General Information

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