

**STATISTICAL RELEASE**  
**P0151**

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

December 2016

Embargoed until:  
26 January 2017  
12:00

CPAP indices will be rebased to December 2016=100 with effect from the January 2017 publication to be published on 23 February 2017.

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## Key findings

### Monthly changes in the CPAP indices

***In December 2016, month-on-month percentage changes in the work group indices ranged from -1,3% for work group 122 to 7,6% for work group 162. The Consumer Price Index for December 2016 increased by 0,4% month-on-month.***

The four indices reflecting monthly percentage changes mainly due to factors other than the headline CPI are:

- **Work group 162:** The monthly percentage increase of 7,6% reflected by this index was mainly due to a 14,1% monthly increase in SEIFSA Price of Copper 7,90mm Rod, which accounts for approximately 45,0% of the work group 162 index.
- **Work group 172:** The monthly percentage increase of 7,2% reflected by this index was mainly due to a 15,1% monthly increase in SEIFSA indices for Metal prices – Copper RCP/ Metric Ton, which accounts for approximately 40,0% of the work group 172 index.
- **Work group 160:** The monthly percentage increase of 5,5% reflected by this index was mainly due to a 14,1% monthly increase in SEIFSA Price of Copper 7,90mm Rod, which accounts for approximately 35,0% of the work group 160 index.
- **Work group 122:** The monthly percentage decrease of 1,3% reflected by this index was mainly due to a 2,8% monthly decrease in the PPI for concrete roof tiles, which accounts for approximately 40,0% of the work group 122 index.

**PJ Lehohla  
Statistician-General**

## Tables

Table 1 - Work group indices

Base: Feb 1991=100

Year and month		102	104	106	110	111	112	113	114
		Alterations	Earthworks	Piling	Concrete (excluding formwork)	Formwork	Precast concrete	Post tensioning (Base: Jan 2005 = 100)	Reinforcement
2015	Dec	441,0	453,8	465,8	622,0	477,4	530,1	238,7	601,0
2016	Jan	444,4	466,3	479,2	626,5	479,6	537,6	246,4	620,9
	Feb	450,4	470,5	486,2	639,3	484,5	551,9	259,3	644,6
	Mar	453,8	474,7	486,4	624,5	488,7	550,3	259,7	646,0
	Apr	457,6	477,8	491,8	624,6	495,1	558,9	271,1	677,0
	May	458,3	479,8	497,7	618,0	496,0	569,1	287,1	722,6
	Jun	461,0	483,4	499,9	615,3	497,8	576,5	287,4	723,7
	Jul	464,7	486,6	500,7	616,9	500,3	576,6	287,9	713,4
	Aug	464,4	487,4	502,2	620,0	500,1	577,3	296,5	713,2
	Sep	465,1	487,8	501,7	617,2	505,3	579,7	296,6	713,5
	Oct	467,4	488,7	502,0	617,2	506,8	580,5	296,8	714,4
	Nov	468,9	489,0	502,0	617,9	507,8	581,1	297,0	715,0
	Dec	470,8	489,0	504,8	616,5	509,0	585,6	310,8	746,2

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
2015	Dec	621,6	402,5	494,0	622,7	639,8	487,7	426,3	507,2
2016	Jan	632,4	410,8	491,6	622,5	640,8	488,1	427,7	509,1
	Feb	639,6	414,5	488,6	647,8	676,3	520,8	435,5	516,1
	Mar	640,6	414,7	493,4	652,5	688,8	521,2	437,7	520,4
	Apr	642,4	417,1	498,1	654,8	689,9	522,7	440,6	524,0
	May	642,1	417,5	499,0	653,7	732,0	511,9	441,5	524,8
	Jun	638,3	417,1	514,6	656,0	775,1	512,2	445,9	526,3
	Jul	641,7	416,4	517,9	660,0	776,2	512,7	445,8	528,7
	Aug	642,2	418,3	532,8	662,1	776,0	508,4	445,7	531,8
	Sep	647,1	417,1	550,7	666,2	776,3	508,5	461,8	529,4
	Oct	648,0	420,1	552,3	666,4	793,6 r	508,7	461,4	530,7
	Nov	650,5	418,4	553,2	669,0	851,8 r	513,4	461,4	532,3
	Dec	653,6	417,9	553,2	660,4	851,8	513,7	462,4	529,5

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
2015	Dec	572,5	462,6	602,0	483,5	501,3	546,6	397,2	501,9
2016	Jan	573,5	473,4	604,9	488,2	505,4	548,4	401,4	507,0
	Feb	579,9	474,9	610,1	498,0	515,5	574,4	403,2	515,7
	Mar	576,6	485,7	613,1	499,4	518,7	576,2	405,1	514,4
	Apr	600,6	492,6	616,3	504,7	521,9	578,2	409,1	517,0
	May	601,5	499,0	618,3	511,7	523,0	562,5	409,9	515,3
	Jun	602,2	499,7	621,0	534,6	529,9	563,9	418,2	516,2
	Jul	604,2	500,6	624,2	536,1	532,0	565,9	411,2	519,7
	Aug	604,1	500,5	623,9	536,0	532,8	561,1	415,5	519,8
	Sep	604,3	500,7	624,6	536,3	540,4	561,5	419,8	520,1
	Oct	621,4	501,2	626,5	537,2	541,6	562,7	421,3	521,8
	Nov	621,8	501,6	627,8	537,9	542,7	563,5	410,1	523,0
	Dec	622,3	502,1	629,4	538,6	542,2	564,5	419,1	524,5

Table 1 - Work group indices (concluded)

Base: Feb 1991=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
2015	Dec	430,4	421,7	434,3	405,7	527,7	510,6	590,3	570,0
2016	Jan	436,1	424,1	436,0	413,9	550,2	513,1	582,9	584,2
	Feb	438,2	428,0	443,5	435,7	592,2	519,5	577,9	609,9
	Mar	440,2	435,6	446,7	437,0	592,6	522,9	566,8	611,2
	Apr	441,8	438,5	449,2	438,4	593,1	525,7	573,9	618,1
	May	442,1	444,0	451,4	434,0	593,2	528,1	574,7	611,1
	Jun	445,1	446,3	453,5	435,0	593,5	531,2	596,6	632,2
	Jul	446,7	446,6	453,2	436,4	594,0	533,9	606,8	631,7
	Aug	446,6	448,1	453,6	434,9	594,0	536,8	611,8	630,0
	Sep	446,9	448,6	454,4	435,2	594,1	534,9	597,5	619,3
	Oct	449,6	450,1	455,3	436,0	594,3	536,5	603,1	617,1 r
	Nov	450,2	451,0	453,1	436,6	594,5	537,6	607,0	635,4 r
	Dec	451,0	452,3	457,1	437,3	594,8	539,0	600,8	670,2

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
2015	Dec	652,9	642,1	656,0	980,3	569,1	515,6	515,9	480,2
2016	Jan	674,1	647,3	656,0	990,9	572,0	521,8	521,5	487,0
	Feb	706,7	651,6	670,5	1 016,4	572,5	532,3	531,8	489,9
	Mar	696,3	654,5	675,5	1 013,3	573,8	533,8	532,9	493,7
	Apr	704,2	657,4	675,5	1 041,4	577,1	538,1	538,5	499,1
	May	682,4	660,5	693,6	1 002,7	581,6	539,4	540,8	502,0
	Jun	712,3	661,8	711,8	1 014,7	584,0	545,0	546,5	507,2
	Jul	696,9	689,2	743,3	1 029,4	612,9	546,7	549,6	511,9
	Aug	693,1	689,4	743,3	1 031,8	613,0	547,1	550,1	510,7
	Sep	679,9	689,6	743,3	999,6	613,0	548,6	550,3	509,8
	Oct	674,1 r	691,1	743,3	1 004,4	613,0	550,4 r	552,2 r	511,1
	Nov	687,3 r	691,7	743,3	1 003,5	627,4	554,8 r	555,8 r	513,9
	Dec	739,8	694,8	775,2	1 075,7	637,2	559,6	561,1	514,3

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 Feb 1991 = 100
2015	Dec	620,3
2016	Jan	638,8
	Feb	660,0
	Mar	660,0
	Apr	689,4
	May	734,5
	Jun	734,5
	Jul	738,9
	Aug	738,9
	Sep	738,9
	Oct	738,9
	Nov	738,9
	Dec	769,2

## 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

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Issue	Expected release date
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February 2017	30 March 2017
March 2017	27 April 2017

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