

**STATISTICAL RELEASE**  
**P0151.1**

# Construction Materials Price Indices

January 2018

Embargoed until:  
28 February 2018  
12:00

**ENQUIRIES:**  
Richard Klaas  
(012) 310 2185

**FORTHCOMING ISSUE:**  
February 2018

**EXPECTED RELEASE DATE**  
29 March 2018

[www.statssa.gov.za](http://www.statssa.gov.za)  
[info@statssa.gov.za](mailto:info@statssa.gov.za)  
T +27 12 310 8911  
F +27 12 310 8500

Private Bag X44, Pretoria, 0001, South Africa  
ISibalo House, Koch Street, Salvokop, Pretoria, 0002



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## KEY FINDINGS: CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP)

In January 2018, month-on-month percentage changes in the CPAP work group indices ranged from -5,8% for work group 162 to 3,5% for work group 129 (Table 1).

Noteworthy changes in January 2018 were as follows:

- **Work group 129:** The index increased by 3,5% month-on-month. There was an increase of 5,8% month-on-month in the PPI for Ceiling boards, which accounts for 60,0% of this work group.
- **Work group 110:** The index increased by 3,3% month-on-month. There was an increase of 8,3% month-on-month in the PPI for Aggregate stone, which accounts for 20,0% of this work group.
- **Work group 160:** The index decreased by 4,2% month-on-month. There was a decrease of 6,6% month-on-month in SEIFSA for Copper 7,9mm rod, which accounts for 35,0% of this work group.
- **Work group 162:** The index decreased by 5,8% month-on-month. There was a decrease of 6,6% month-on-month in SEIFSA for Copper 7,9mm rod, which accounts for 45,0% of this work group.

## KEY FINDINGS: CONSTRUCTION INPUT PRICE INDICES (CIPI)

- **Total construction:** The index increased by 0,8% month-on-month, mainly due to construction of buildings (+1,7%) and civil engineering (+1,2%) (Table 2).
- **Plant and equipment:** The index increased by 0,5% month-on-month, mainly due to lifting and handling equipment and parts thereof (4,2%) (Table 4).

**Risenga Maluleke**  
**Statistician-General**

## DETAILED RESULTS

Table 1 - Contract price adjustment provisions (CPAP) 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 |
| 2017           | Jan | 100,6       | 100,3      | 100,6  | 100,4                         | 100,3    | 100,7            | 100,2           | 103,1         |
|                | Feb | 101,7       | 101,1      | 101,6  | 102,7                         | 100,7    | 101,6            | 100,5           | 103,4         |
|                | Mar | 102,3       | 101,4      | 101,5  | 101,5                         | 101,7    | 101,8            | 100,6           | 103,5         |
|                | Apr | 102,4       | 102,0      | 102,0  | 101,8                         | 101,9    | 101,3            | 100,6           | 103,5         |
|                | May | 102,7       | 102,2      | 103,0  | 105,4                         | 102,1    | 102,7            | 100,7           | 103,6         |
|                | Jun | 102,9       | 102,0      | 102,8  | 105,6                         | 102,1    | 102,8            | 100,8           | 103,7         |
|                | Jul | 103,2       | 102,2      | 103,1  | 106,4                         | 102,2    | 103,1            | 100,9           | 103,7         |
|                | Aug | 103,3       | 102,3      | 103,8  | 106,7                         | 102,3    | 103,7            | 100,9           | 107,3         |
|                | Sep | 103,8       | 102,3      | 104,6  | 107,3                         | 102,6    | 105,1            | 106,0           | 111,6         |
|                | Oct | 104,1       | 102,8      | 105,3  | 107,1                         | 102,8    | 105,5            | 110,9           | 114,2         |
|                | Nov | 104,2       | 103,2      | 105,5  | 106,7                         | 102,8    | 105,4            | 110,9           | 114,2         |
|                | Dec | 104,7       | 103,3      | 106,1  | 107,8                         | 103,4    | 107,3            | 111,0           | 115,7         |
| 2018           | Jan | 105,0       | 103,7      | 107,4  | 111,4                         | 103,5    | 108,4            | 111,1           | 115,8         |

| 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 |
| 2017           | Jan | 99,5                 | 100,1   | 105,1          | 100,1             | 100,8                 | 100,1                     | 97,8                  | 100,6    |
|                | Feb | 100,6                | 100,6   | 105,2          | 101,1             | 101,0                 | 100,6                     | 97,7                  | 100,9    |
|                | Mar | 100,5                | 101,3   | 105,4          | 101,2             | 101,7                 | 101,2                     | 98,2                  | 104,1    |
|                | Apr | 100,9                | 101,4   | 105,8          | 101,3             | 101,7                 | 102,0                     | 99,8                  | 104,2    |
|                | May | 101,8                | 101,3   | 106,1          | 102,3             | 101,7                 | 102,5                     | 101,5                 | 104,3    |
|                | Jun | 102,2                | 101,8   | 106,1          | 102,4             | 100,3                 | 102,5                     | 101,2                 | 104,2    |
|                | Jul | 102,0                | 102,5   | 105,8          | 103,6             | 100,3                 | 102,9                     | 101,7                 | 105,6    |
|                | Aug | 102,1                | 103,0   | 106,1          | 103,6             | 100,3                 | 103,4                     | 102,2                 | 104,4    |
|                | Sep | 102,2                | 103,3   | 106,4          | 103,7             | 103,8                 | 107,2                     | 102,3                 | 105,6    |
|                | Oct | 102,6                | 103,8   | 106,8          | 103,7             | 107,2                 | 108,6                     | 102,8                 | 105,6    |
|                | Nov | 102,7                | 104,3   | 107,5          | 103,8             | 107,3                 | 109,9                     | 103,1                 | 105,8    |
|                | Dec | 101,2                | 103,6   | 108,5          | 103,9             | 107,3                 | 109,9                     | 103,2                 | 106,6    |
| 2018           | Jan | 102,3                | 102,3   | 105,9          | 103,9             | 107,4                 | 109,9                     | 103,1                 | 110,3    |

| 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 |
| 2017           | Jan | 100,1                              | 100,1       | 100,3                             | 100,2     | 99,1                 | 100,2          | 100,4                | 100,5            |
|                | Feb | 100,5                              | 100,4       | 100,9                             | 100,6     | 99,5                 | 100,7          | 105,4                | 102,2            |
|                | Mar | 100,9                              | 102,8       | 101,2                             | 100,8     | 100,8                | 100,9          | 105,0                | 102,0            |
|                | Apr | 101,2                              | 102,9       | 101,2                             | 99,9      | 100,6                | 101,0          | 106,2                | 102,3            |
|                | May | 101,6                              | 102,9       | 101,3                             | 100,0     | 102,1                | 101,1          | 106,3                | 105,0            |
|                | Jun | 101,6                              | 103,0       | 101,4                             | 100,1     | 102,1                | 101,2          | 105,1                | 105,2            |
|                | Jul | 101,6                              | 103,0       | 101,6                             | 100,2     | 102,2                | 101,3          | 104,5                | 105,7            |
|                | Aug | 101,7                              | 103,1       | 101,6                             | 100,2     | 102,3                | 101,3          | 103,4                | 105,9            |
|                | Sep | 103,2                              | 103,2       | 102,1                             | 101,1     | 103,2                | 104,7          | 102,4                | 106,1            |
|                | Oct | 103,2                              | 103,2       | 102,3                             | 101,2     | 103,4                | 105,9          | 105,3                | 106,2            |
|                | Nov | 103,2                              | 103,3       | 102,3                             | 101,2     | 103,7                | 107,1          | 108,5                | 106,1            |
|                | Dec | 103,4                              | 103,4       | 103,1                             | 103,2     | 104,4                | 107,3          | 109,2                | 106,5            |
| 2018           | Jan | 103,4                              | 103,4       | 103,3                             | 103,3     | 104,4                | 107,5          | 111,7                | 107,7            |

**Table 1 - Contract price adjustment provisions (CPAP) 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 |
| 2017           | Jan | 100,3  | 102,0    | 101,2    | 100,2  | 100,1   | 100,6    | 103,2    | 101,6                    |
|                | Feb | 101,6  | 103,0    | 102,9    | 100,7  | 100,2   | 101,4    | 104,3    | 101,6                    |
|                | Mar | 101,8  | 103,4    | 102,9    | 100,9  | 100,2   | 102,9    | 103,4    | 102,1                    |
|                | Apr | 102,2  | 103,5    | 103,2    | 101,0  | 100,2   | 103,0    | 103,0    | 100,6                    |
|                | May | 102,3  | 103,6    | 103,1    | 101,1  | 100,3   | 103,2    | 103,5    | 101,0                    |
|                | Jun | 102,4  | 103,8    | 102,7    | 101,2  | 100,3   | 103,4    | 102,0    | 98,7                     |
|                | Jul | 102,5  | 101,2    | 101,4    | 101,3  | 100,3   | 103,6    | 101,8    | 100,5                    |
|                | Aug | 102,6  | 101,2    | 101,4    | 101,3  | 100,3   | 103,8    | 102,1    | 103,2                    |
|                | Sep | 102,8  | 101,5    | 99,6     | 102,8  | 100,4   | 104,7    | 104,2    | 107,7                    |
|                | Oct | 102,7  | 102,0    | 101,3    | 103,4  | 100,4   | 104,9    | 104,8    | 110,7                    |
|                | Nov | 102,7  | 102,0    | 102,3    | 104,0  | 100,4   | 105,0    | 106,7    | 114,4                    |
|                | Dec | 102,9  | 102,3    | 102,6    | 104,2  | 100,5   | 105,3    | 112,0    | 115,2                    |
| 2018           | Jan | 103,2  | 103,3    | 103,7    | 104,3  | 100,5   | 106,0    | 114,7    | 110,4                    |

| 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 | Lump sum preliminaries |
| 2017           | Jan | 101,5                   | 99,8                | 100,4                  | 101,4                       | 100,2                          | 100,3                       | 100,6                           | 100,6                  |
|                | Feb | 101,3                   | 100,3               | 100,4                  | 101,2                       | 100,3                          | 101,1                       | 101,4                           | 101,5                  |
|                | Mar | 101,9                   | 100,3               | 100,8                  | 101,5                       | 100,3                          | 101,3                       | 101,7                           | 101,9                  |
|                | Apr | 101,3                   | 100,0               | 100,8                  | 99,6                        | 100,3                          | 101,5                       | 101,8                           | 102,2                  |
|                | May | 102,3                   | 100,0               | 100,8                  | 100,4                       | 100,3                          | 102,4                       | 102,5                           | 102,7                  |
|                | Jun | 99,7                    | 99,9                | 99,9                   | 99,0                        | 100,3                          | 102,1                       | 102,2                           | 102,5                  |
|                | Jul | 100,0                   | 102,1               | 102,7                  | 101,8                       | 102,9                          | 102,2                       | 102,5                           | 102,0                  |
|                | Aug | 103,0                   | 102,1               | 102,7                  | 104,4                       | 104,4                          | 102,7                       | 103,0                           | 102,3                  |
|                | Sep | 108,5                   | 102,8               | 104,7                  | 108,2                       | 104,4                          | 103,4                       | 104,0                           | 102,9                  |
|                | Oct | 111,7                   | 103,8               | 106,7                  | 108,9                       | 104,4                          | 104,2                       | 104,9                           | 103,8                  |
|                | Nov | 117,0                   | 104,0               | 106,7                  | 112,5                       | 104,4                          | 104,8                       | 105,5                           | 104,4                  |
|                | Dec | 117,3                   | 104,4               | 106,7                  | 114,1                       | 104,4                          | 104,9                       | 106,1                           | 105,0                  |
| 2018           | Jan | 110,5                   | 104,4               | 106,7                  | 110,4                       | 104,1                          | 105,0                       | 106,2                           | 105,0                  |

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

| Service   | Weight | Index (Dec 2016=100) |          |          | Percentage change     |                       |
|---|--------|----------------------|----------|----------|-----------------------|-----------------------|
|   |        | Jan 2017             | Dec 2017 | Jan 2018 | Jan 2018 vs. Dec 2017 | Jan 2018 vs. Jan 2017 |
| <b>Total construction</b>   | 100,00 | 99,9                 | 107,0    | 107,9    | 0,8                   | 8,0                   |
| <b>Site preparation</b>   | 0,97   | 99,4                 | 105,0    | 104,1    | -0,9                  | 4,7                   |
| <b>Construction of buildings</b>                                      | 23,96  | 96,7                 | 102,4    | 104,1    | 1,7                   | 7,7                   |
| <b>Civil engineering</b>  | 36,88  | 101,6                | 111,5    | 112,8    | 1,2                   | 11,0                  |
| <b>Other structures</b>   | 1,54   | 100,0                | 106,2    | 106,8    | 0,6                   | 6,8                   |
| <b>Construction by specialist trade contractors</b>                   | 6,07   | 99,1                 | 104,8    | 105,7    | 0,9                   | 6,7                   |
| <b>Plumbing</b>   | 1,72   | 100,7                | 100,6    | 101,4    | 0,8                   | 0,7                   |
| <b>Electrical contractors</b>   | 8,06   | 101,8                | 106,9    | 106,4    | -0,5                  | 4,5                   |
| <b>Shopfitting</b>  | 0,52   | 100,2                | 103,3    | 103,1    | -0,2                  | 2,9                   |
| <b>Other building installation</b>                                    | 7,63   | 100,5                | 105,9    | 105,9    | 0,0                   | 5,4                   |
| <b>Painting and decorating</b>  | 1,06   | 100,5                | 106,0    | 107,1    | 1,0                   | 6,6                   |
| <b>Other building completion</b>                                      | 8,35   | 99,8                 | 105,6    | 105,4    | -0,2                  | 5,6                   |
| <b>Renting of construction or demolition equipment with operators</b> | 3,24   | 100,7                | 106,7    | 105,8    | -0,8                  | 5,1                   |

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

| Product  | Weight | Index (Dec 2016=100) |          |          | Percentage change     |                       |
|--|--------|----------------------|----------|----------|-----------------------|-----------------------|
|  |        | Jan 2017             | Dec 2017 | Jan 2018 | Jan 2018 vs. Dec 2017 | Jan 2018 vs. Jan 2017 |
| <b>Total construction</b>                                  | 100,00 | 99,9                 | 107,0    | 107,9    | 0,8                   | 8,0                   |
| <b>Construction stone and sand</b>                         | 9,23   | 99,6                 | 129,0    | 138,0    | 7,0                   | 38,6                  |
| Aggregate stone  | 7,93   | 99,6                 | 129,0    | 139,7    | 8,3                   | 40,3                  |
| Sand   | 0,82   | 99,6                 | 129,0    | 129,0    | 0,0                   | 29,5                  |
| Granite, sandstone and other monumental and building stone | 0,48   | 99,6                 | 129,0    | 125,9    | -2,4                  | 26,4                  |
| <b>Carpets (excluding mats and rugs)</b>                   | 1,00   | 100,0                | 104,0    | 104,0    | 0,0                   | 4,0                   |
| <b>Boards of wood</b>                                      | 1,69   | 100,0                | 104,9    | 104,9    | 0,0                   | 4,9                   |
| <b>Builders' carpentry of wood</b>                         | 1,59   | 100,1                | 98,7     | 98,0     | -0,7                  | -2,1                  |
| <b>Paints</b>  | 2,92   | 100,6                | 106,5    | 107,8    | 1,2                   | 7,2                   |
| <b>Prepared explosives</b>                                 | 0,34   | 97,4                 | 104,7    | 104,7    | 0,0                   | 7,5                   |
| <b>Construction tyres</b>                                  | 0,63   | 100,0                | 105,8    | 105,8    | 0,0                   | 5,8                   |
| <b>Construction pipes, tubes and fittings</b>              | 3,24   | 101,6                | 99,7     | 101,6    | 1,9                   | 0,0                   |
| Tubes, pipes, tube-fittings and pipe-fittings of copper    | 1,23   | 99,1                 | 103,7    | 103,7    | 0,0                   | 4,6                   |
| Concrete pipes   | 0,38   | 116,8                | 116,8    | 133,2    | 14,0                  | 14,0                  |
| Construction plastic pipes, tubes and fittings             | 1,63   | 100,0                | 92,8     | 92,8     | 0,0                   | -7,2                  |
| <b>Adhesive and sealant</b>                                | 0,31   | 100,0                | 113,1    | 113,1    | 0,0                   | 13,1                  |
| <b>Vinyl sheeting and flooring</b>                         | 0,04   | 99,8                 | 106,1    | 106,1    | 0,0                   | 6,3                   |
| <b>Non-structural ceramic ware</b>                         | 0,34   | 100,4                | 100,3    | 100,3    | 0,0                   | -0,1                  |
| <b>Construction bricks and tiles</b>                       | 11,93  | 99,5                 | 100,7    | 100,1    | -0,6                  | 0,6                   |
| Bricks   | 10,77  | 99,3                 | 100,3    | 99,5     | -0,8                  | 0,2                   |
| Tiles  | 1,16   | 101,4                | 104,9    | 105,1    | 0,2                   | 3,6                   |
| <b>Cement</b>  | 11,67  | 100,6                | 102,3    | 105,6    | 3,2                   | 5,0                   |
| <b>Ready-mix concrete</b>                                  | 5,68   | 82,1                 | 85,1     | 85,9     | 0,9                   | 4,6                   |
| <b>Ceiling boards</b>                                      | 1,38   | 100,4                | 100,3    | 106,1    | 5,8                   | 5,7                   |
| <b>Prefabricated cement and concrete components</b>        | 0,98   | 100,3                | 107,6    | 107,7    | 0,1                   | 7,4                   |
| <b>Pre-mix asphalt</b>                                     | 0,08   | 100,5                | 100,7    | 100,6    | -0,1                  | 0,1                   |
| <b>Bituminous mixtures</b>                                 | 8,28   | 105,4                | 116,5    | 112,1    | -3,8                  | 6,4                   |

**Table 3 - Construction input price index (CPI): material purchases for whole industry (concluded)**

| Product   | Weight | Index (Dec 2016=100) |          |          | Percentage change     |                       |
|---|--------|----------------------|----------|----------|-----------------------|-----------------------|
|   |        | Jan 2017             | Dec 2017 | Jan 2018 | Jan 2018 vs. Dec 2017 | Jan 2018 vs. Jan 2017 |
| <b>Construction structural and reinforcing steel</b>                  | 18,41  | 101,5                | 110,2    | 109,9    | -0,3                  | 8,3                   |
| Bars and rods of iron or steel  | 9,16   | 102,3                | 113,6    | 113,4    | -0,2                  | 10,9                  |
| Reinforcing metal work  | 2,38   | 101,0                | 105,0    | 105,7    | 0,7                   | 4,7                   |
| Angles, shapes, sections and similar products of iron or steel        | 1,21   | 98,9                 | 118,1    | 118,1    | 0,0                   | 19,4                  |
| Equipment for scaffolding, shuttering and propping                    | 1,95   | 101,0                | 105,0    | 104,2    | -0,8                  | 3,2                   |
| Welded angles, shapes and sections for use in manufactured structures | 2,97   | 101,0                | 105,0    | 104,2    | -0,8                  | 3,2                   |
| Steel door and window frames  | 0,74   | 101,0                | 105,0    | 105,0    | 0,0                   | 4,0                   |
| <b>Wire of iron or steel</b>  | 0,18   | 102,1                | 108,1    | 109,8    | 1,6                   | 7,5                   |
| <b>Construction taps, cocks and valves</b>                            | 1,33   | 100,0                | 100,0    | 100,0    | 0,0                   | 0,0                   |
| <b>Construction pumps, compressors and refrigerator machinery</b>     | 4,94   | 100,0                | 104,6    | 104,6    | 0,0                   | 4,6                   |
| <b>Construction electric motors, generators or transformers</b>       | 0,90   | 100,5                | 101,7    | 104,9    | 3,1                   | 4,4                   |
| <b>Electrical components</b>  | 1,97   | 100,4                | 105,2    | 108,8    | 3,4                   | 8,4                   |
| <b>Electrical cable</b>   | 3,55   | 104,5                | 110,0    | 106,1    | -3,5                  | 1,5                   |
| <b>Construction, distribution and control equipment</b>               | 5,44   | 100,0                | 106,1    | 106,1    | 0,0                   | 6,1                   |
| <b>Construction vehicle parts</b>                                     | 1,95   | 100,6                | 105,3    | 103,4    | -1,8                  | 2,8                   |



**Table 4 - Mining and construction plant and equipment price index**

| Product   | Weight | Index (Dec 2016=100) |          |          | Percentage change     |                       |
|---|--------|----------------------|----------|----------|-----------------------|-----------------------|
|   |        | Jan 2017             | Dec 2017 | Jan 2018 | Jan 2018 vs. Dec 2017 | Jan 2018 vs. Jan 2017 |
| Plant and equipment   | 100,00 | 99,3                 | 101,0    | 101,5    | 0,5                   | 2,2                   |
| Lifting and handling equipment and parts thereof  | 7,57   | 98,4                 | 101,2    | 105,4    | 4,2                   | 7,1                   |
| Machinery for mining, quarrying and construction and parts thereof  | 36,90  | 98,4                 | 101,2    | 101,2    | 0,0                   | 2,8                   |
| Moving, grading, levelling, scraping, excavating, tamping, compacting and extracting machinery                          | 28,38  | 98,4                 | 101,2    | 100,8    | -0,4                  | 2,4                   |
| Machinery for sorting, screening, separating, washing, crushing, grinding, mixing and kneading of construction material | 8,52   | 98,4                 | 101,2    | 102,7    | 1,5                   | 4,4                   |
| Lorries, trucks and vans exceeding 3,5 tons   | 55,53  | 100,0                | 100,8    | 101,2    | 0,4                   | 1,2                   |

**Table 5 - Mechanical and electrical engineering input price indices**

| Service                | Weight | Index (Dec 2016=100) |          |          | Percentage change     |                       |
|------------------------|--------|----------------------|----------|----------|-----------------------|-----------------------|
|                        |        | Jan 2017             | Dec 2017 | Jan 2018 | Jan 2018 vs. Dec 2017 | Jan 2018 vs. Jan 2017 |
| Mechanical engineering | 100,00 | 100,9                | 105,6    | 105,0    | -0,6                  | 4,1                   |
| Electrical engineering | 100,00 | 101,0                | 110,5    | 107,9    | -2,4                  | 6,8                   |

**Table 6 - Civil engineering material price indices<sup>1</sup>**

| Product   | Index (Dec 2016=100) |          |          | Percentage change     |                       |
|---|----------------------|----------|----------|-----------------------|-----------------------|
|   | Jan 2017             | Dec 2017 | Jan 2018 | Jan 2018 vs. Dec 2017 | Jan 2018 vs. Jan 2017 |
| Civil engineering material - total  | 101,6                | 111,5    | 112,8    | 1,2                   | 11,0                  |
| Civil engineering material (excluding bitumen)                            | 100,6                | 110,3    | 113,0    | 2,4                   | 12,3                  |
| Civil engineering material (excluding reinforcing metal work)             | 101,6                | 112,0    | 113,8    | 1,6                   | 12,0                  |
| Civil engineering material (excluding reinforcing metal work and bitumen) | 100,2                | 109,6    | 112,9    | 3,0                   | 12,7                  |
| Civil engineering material - structures (excluding bitumen)               | 101,2                | 113,6    | 117,1    | 3,1                   | 15,7                  |
| Civil engineering material - roads, general                               | 102,4                | 118,0    | 122,0    | 3,4                   | 19,1                  |
| Civil engineering material - roads, general (excluding bitumen)           | 101,5                | 118,2    | 124,3    | 5,2                   | 22,5                  |
| Civil engineering material - roads, refurbishment                         | 102,5                | 118,2    | 121,4    | 2,7                   | 18,4                  |
| Civil engineering material - roads, refurbishment (excluding bitumen)     | 101,0                | 119,1    | 125,8    | 5,6                   | 24,6                  |
| Civil engineering material - roads, reseal                                | 103,6                | 116,8    | 115,8    | -0,9                  | 11,8                  |
| Civil engineering material - roads, reseal (excluding bitumen)            | 100,4                | 116,8    | 122,6    | 5,0                   | 22,1                  |
| Civil engineering material - bulk earthworks                              | 101,4                | 113,3    | 117,7    | 3,9                   | 16,1                  |
| Civil engineering material - bulk earthworks (excluding bitumen)          | 101,0                | 113,8    | 119,0    | 4,6                   | 17,8                  |

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

**EXPLANATORY NOTES**

|  |  |
|--|--|
| <b>Contract Price Adjustment Provisions (CPAP)</b> | The CPAP work group indices are used for making adjustments based on cost fluctuations in labour, plant and materials.   |
| <b>Sources for CPAP</b>                            | 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. |
| <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>   | 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.           |
| <b>Construction Input Price Indices (CIPI)</b>     | The index reflects material purchases in the construction industry   |

**GLOSSARY**

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

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| Issue         | Expected release date |
|---------------|-----------------------|
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### Enquiries

|   |   |
|---|---|
| <b>Telephone number - technical enquiries</b> | Richard Klaas<br>(012) 310 2185   |
| <b>Telephone number - other</b>               | (012) 310 8600 / 8390 / 8351 / 4892 / 8496 / 8095 (user information services)<br>(012) 310 8490 (library)   |
| <b>Fax number</b>                             | (012) 310 8332  |
| <b>Email address</b>                          | RichardK@statssa.gov.za (technical enquiries)<br>info@statssa.gov.za (user information services)<br>Enquiries in connection with contract price adjustment provisions should be directed, in writing, to Mr HOFFIE CRUYWAGEN (Hoffie.Cruywagen@up.ac.za). |
| <b>Postal address</b>                         | Private Bag X44, Pretoria, 0001   |

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