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Statistical release

P0151

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

November 2015

**Embargoed until:
17 December 2015
12:00**

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Forthcoming issue:

December 2015

Expected release date

28 January 2016

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KEY FINDINGS FOR NOVEMBER 2015

MONTHLY CHANGES IN THE CPAP INDICES

In November 2015, month-on-month percentage changes in the work group indices ranged from -1,0% for work group 162 to 1,4% for work group 120. The Consumer Price Index for November 2015 increased by 0,1% month-on-month.

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

- **Work group 120:** The monthly percentage increase of 1,4% reflected by this index was mainly due to a 9,0% monthly increase in the PPI for Joint Sealants, which accounts for approximately 12,0% of the work group 120 index.
- **Work group 162:** The monthly percentage decrease of 1,0% reflected by this index was mainly due to a 3,0% monthly decrease in SEIFSA for Aluminium products – 99,7 EC Grade Rod, which accounts for approximately 25,0% of the work group 162 index.

PJ Lehohla
Statistician-General

Table 1 – Work group indices

BASE: FEB 1991 = 100

YEAR AND MONTH		WORK GROUPS									
		102	104	106	110	111	112	113	114	116	118
		ALTERATIONS	EARTHWORKS	PILING	CONCRETE (EXCLUDING FORMWORK)	FORMWORK	PRECAST CONCRETE	POST TENSIONING BASE:JAN.2005=100	REINFORCEMENT	BRICK AND BLOCK WORK	MASONRY
2014	November	419,8	431,9	457,2	589,2	455,4	530,1	258,8	696,8	586,1	381,0
	December	419,1	431,5	457,0	589,4	454,9	529,9	258,7	696,5	587,8	380,6
2015	January	418,3	433,2	457,5	604,5	454,6	529,5	258,6	664,9	593,8	380,7
	February	420,9	435,7	460,0	608,3	456,4	531,4	258,9	666,0	597,4	382,2
	March	427,0	439,2	460,8	611,0	460,5	532,5	259,6	656,6	601,5	385,7
	April	430,8	441,7	458,3	612,5	462,8	523,2	237,5	624,5	604,3	387,9
	May	431,9	442,6	456,5	612,9	463,2	520,7	237,7	603,7	606,3	388,6
	June	433,8	443,7	457,0	612,9	464,7	521,4	237,9	604,4	613,4	389,5
	July	438,3	446,5	458,8	615,0	469,3	524,5	238,4	606,3	616,7	393,0
	August	438,3	446,9	459,1	614,9	469,3	524,5	238,4	606,3	617,9	396,0
	September	438,3	448,8	460,9	615,2	472,9	526,8	238,4	606,3	618,0	396,2
	October	439,4	452,8	464,2	615,1	476,4	528,8	238,5	606,7	620,2	396,6
	November	439,8	453,2	464,3	614,1	476,6	528,6	238,6	606,9	620,3	397,2

YEAR AND MONTH		120	122	124	125	126	129	130	132	134	136
		WATER PROOFING	NON METAL ROOFING	METAL ROOFING (STEEL)	METAL ROOFING (ALUMINIUM)	CARPENTRY AND JOINERY	CEILINGS	RESILIENT FLOOR AND WALL COVERINGS	IRONMONGERY	STRUCTURAL STEELWORK IN BUILDINGS	METALWORK
2014	November	493,5	631,5	656,5	480,6	406,3	481,7	551,2	409,5	587,2	483,3
	December	493,4	630,8	656,3	480,6	406,3	481,5	550,9	408,4	586,6	483,0
2015	January	493,3	630,1	656,1	483,9	406,6	481,3	550,7	414,1	585,9	482,6
	February	502,0	629,3	656,8	497,0	408,0	503,1	553,7	414,7	588,2	483,7
	March	502,9	630,6	658,5	497,7	406,1	504,8	558,4	448,5	593,4	486,3
	April	503,4	631,0	654,1	498,2	408,3	503,1	559,9	451,8	595,0	480,1
	May	503,6	631,2	654,4	505,8	409,2	504,4	560,5	453,0	594,2	479,8
	June	497,6	631,9	637,8	506,0	413,6	504,9	561,2	455,1	595,8	480,6
	July	495,7	632,6	639,1	506,5	416,4	506,1	562,5	459,8	599,7	482,4
	August	492,2	621,6	639,1	499,4	415,3	506,1	562,8	459,9	599,7	482,4
	September	488,6	621,9	639,1	493,0	419,3	506,1	567,3	460,1	599,7	482,4
	October	488,5	622,4	639,4	477,4	423,1	506,4	570,2	462,2	600,7	482,9
	November	495,1	622,2	639,5	479,9	425,8	506,9	572,1	462,3	601,0	483,1

Table 1 – Work group indices (continued)

YEAR AND MONTH		WORK GROUPS									
		138 PARTITIONING SYSTEMS	140 ALUMINIUM WORK	141 STAINLESS STEEL WORK	142 IN SITU FINISHES	144 TILING	146 DRAINAGE	148 PLUMBING	149 ALUMINIUM SHOP FRONTS AND PREGLAZED WINDOWS	150 GLAZING	152 PAINTING
2014	November	496,2	512,3	386,6	478,8	419,2	403,8	421,1	385,3	506,8	493,7
	December	495,9	511,9	386,2	478,4	418,8	403,7	419,6	385,0	506,7	493,1
2015	January	495,8	511,5	385,8	483,1	419,5	403,6	420,8	384,7	506,6	493,1
	February	498,5	525,4	387,1	485,6	420,6	405,1	418,7	389,4	506,9	495,0
	March	496,0	528,7	390,2	490,9	425,4	409,0	427,6	394,3	516,2	499,4
	April	495,3	530,7	392,1	494,1	428,3	411,7	430,2	398,8	526,4	502,1
	May	496,8	538,8	392,7	495,0	429,1	414,1	431,3	401,4	526,6	503,0
	June	497,6	539,8	393,6	496,4	429,9	416,8	433,2	402,1	526,8	504,3
	July	499,7	542,2	395,9	500,4	431,9	420,9	435,6	403,8	527,4	507,6
	August	499,7	542,2	394,7	500,5	429,3	420,8	433,6	403,8	527,4	507,6
	September	499,7	542,2	396,9	500,6	429,3	420,0	431,7	403,8	527,4	507,6
	October	500,3	542,8	395,9	501,3	429,7	420,7	432,3	404,3	527,5	509,5
	November	500,8	546,0	395,3	501,2	429,9	420,9	434,0	405,3	527,6	509,8

YEAR AND MONTH		154	160	162	170	171	172	173	180	181	190
		ROADWORK	ELECTRICAL INSTALLATIONS	ELECTRICAL RECTICULATION	MECHANICAL SERVICES	DUCTWORK INSTALLATIONS	REFRIGERATION INSTALLATIONS	STEEL WATER PIPE INSTALLATIONS	LUMP SUM DOMESTIC BUILDINGS	COMMERCIAL/INDUSTRIAL BUILDINGS	LUMP SUM PRELIMINARIES
2014	November	643,2	589,8	671,6	611,3	634,9	991,1	553,0	500,1	506,1	447,9
	December	626,3	590,0	674,8	611,3	634,9	989,0	553,0	500,0	505,5	446,7
2015	January	609,6	592,4	684,7	612,2	634,9	985,8	552,9	502,0	505,6	444,1
	February	584,1	568,3	648,1	612,0	634,9	939,0	552,9	501,0	504,5	444,4
	March	594,9	564,5	643,4	611,1	634,9	930,7	553,4	504,4	507,2	449,2
	April	593,1	585,0	671,5	609,4	632,5	969,5	545,5	507,9	509,2	454,3
	May	590,2	586,6	666,3	609,5	632,5	975,9	536,3	508,7	509,1	455,1
	June	597,3	588,7	679,8	610,4	625,1	997,8	536,0	510,9	510,4	456,9
	July	593,5	582,0	660,8	637,5	656,0	1006,4	566,9	512,6	513,6	460,0
	August	588,9	568,0	645,3	637,8	656,0	979,7	567,7	510,6	511,5	458,4
	September	572,7	561,1	636,5	640,0	656,0	963,9	568,6	510,3	511,0	458,3
	October	560,4	581,6	670,2	641,9	656,0	1002,0	569,1	513,9	514,0	461,6
	November	562,9	578,3	663,3	641,9	656,0	998,3	569,2	514,2	514,2	461,9

Table 2 – Supply index

(This is not a CPAP work group index but is published for general information)

BASE: FEB 1991 = 100

YEAR AND MONTH	STEEL BAR REINFORCEMENT - SUPPLIED, CUT, BENT AND DELIVERED	
2014	November	708,4
	December	708,4
2015	January	677,2
	February	677,2
	March	665,5
	April	632,1
	May	610,8
	June	610,8
	July	626,6
	August	626,6
	September	626,6
	October	626,6
	November	626,6

Table 3 – Producer Price Index for materials used in certain industries

Base 2012=100

Industry		Indices			% change between	
		Nov 2014	Oct 2015	Nov 2015	Oct 2015 and Nov 2015	Nov 2014 and Nov 2015
Building and construction		114,5	111,5	111,5	0,0	-2,6
	Building industries	115,6	111,2	111,2	0,0	-3,8
	Civil engineering	108,5	100,9	100,9	0,0	-7,0
Electrical engineering		109,1	109,8	110,1	+0,2	+0,9
Mechanical engineering		106,4	105,8	105,8	0,0	-0,5

Table 4 – Producer Price Index for selected materials

Base : 2012 = 100

Type of materials		Indices			% change between	
		Nov 2014	Oct 2015	Nov 2015	Oct 2015 and Nov 2015	Nov 2014 and Nov 2015
Aggregated crushed stone		115,2	117,1	117,1	0,0	+1,6
Aluminium	Anodising	100,0	100,0	100,0	0,0	0,0
	Basic forms	109,1	113,4	113,8	+0,3	+4,3
	Extruded products	100,0	100,0	100,0	0,0	0,0
	Sheeting	117,1	118,3	118,3	0,0	+1,0
Aluminium lever furniture		114,3	133,0	133,0	0,0	+16,3
Angles, mild steel		114,2	114,2	114,2	0,0	0,0
Bead wire		105,0	109,2	109,2	0,0	+4,0
Bearings, ball and roller		111,4	112,7	112,7	0,0	+1,1
Billets, mild steel		100,0	100,0	100,0	0,0	0,0
Bitumen		109,2	61,2	62,4	+1,9	-42,8
Bitumen and Acrylic Emulsion		122,9	104,6	103,0	-1,5	-16,1
Boxes, corrugated cardboard		123,5	139,5	140,2	+0,5	+13,5
Bricks - Face		118,3	126,9	126,9	0,0	+7,2
Bricks - Stock		125,0	133,5	133,5	0,0	+6,8
Building boards		107,5	113,6	113,6	0,0	+5,6
Ceiling materials		113,2	123,1	123,1	0,0	+8,7
Cement Retail price		100,7	106,7	106,1	-0,5	+5,3
Cement building blocks		113,8	121,8	121,7	0,0	+6,9
Ceramic and encaustic wall and floor tiles and mosaics		104,9	103,9	103,9	0,0	-0,9
Chrome		106,4	110,5	106,1	-3,9	-0,2
Civil engineering plant		113,6	119,3	119,4	0,0	+5,1
Coal, Anthracite - for local sales Grade A		107,5	107,5	107,5	0,0	0,0
Coal, Anthracite - for local sales Grade SP		114,8	120,5	120,5	0,0	+4,9
Coal, Cobbles - grade A		100,0	100,0	100,0	0,0	0,0
Coal, Cobbles - grade B		100,0	100,0	100,0	0,0	0,0
Coal, Large nuts - grade A		100,0	100,0	100,0	0,0	0,0
Coal, Large nuts - grade B		115,8	115,8	115,8	0,0	0,0
Coal, Peas - grade A		122,9	130,4	131,9	+1,1	+7,3
Coal, Peas - grade B		113,4	121,5	121,5	0,0	+7,1
Coal, Small nuts - grade A		108,5	112,0	112,5	+0,4	+3,6
Coal, Small nuts - grade B		117,4	117,4	117,4	0,0	0,0
Coal, bituminous		106,5	105,2	108,4	+3,0	+1,7
Coal, bituminous - for local sales		107,2	106,0	109,2	+3,0	+1,8
Coated profiled GMS sheeting (roofing)		136,2	129,4	129,4	0,0	-4,9
Concrete pipes		108,7	111,5	111,5	0,0	+2,5
Concrete roof tiles		125,9	120,4	120,3	0,0	-4,4
Construction machinery (excluding trucks)		104,8	109,1	109,1	0,0	+4,1
Containers, glass		117,8	118,6	118,6	0,0	+0,6
Copper Piping		95,8	87,6	89,6	+2,2	-6,4
Copper, basic forms		99,2	102,1	100,6	-1,4	+1,4
Coumarone indene resin (imported)		150,0	158,3	158,3	0,0	+5,5
Craft paper		110,3	117,2	121,8	+3,9	+10,4
Cylinder lock set		108,1	113,9	113,9	0,0	+5,3
Diesel at wholesale level	Coast	109,4	106,7	105,8	-0,8	-3,2
	Witwatersrand	106,4	101,5	100,6	-0,8	-5,4
Diesel fuel	Coast and Witwatersrand	97,9	82,8	82,1	-0,8	-16,1
	Retail Metropolitan and other urban areas	94,5	80,8	81,3	+0,6	-14,0
	Retail Metropolitan areas	76,1	60,5	60,4	-0,1	-20,6
Drainage		107,9	109,3	109,3	0,0	+1,2
Drop in ceiling tiles-gypsum		108,4	122,4	122,4	0,0	+12,9
Drop-in ceiling tiles - masonite		123,5	134,7	134,7	0,0	+9,0
Electrical contracting materials		109,6	113,6	113,8	+0,1	+3,8
Enamel paints		120,4	122,5	122,5	0,0	+1,7
Extruded aluminium distributor level		135,2	144,6	146,0	+0,9	+7,9
Extruded aluminium section		100,0	100,0	100,0	0,0	0,0
Ferro-chromium		114,4	110,1	113,8	+3,3	-0,5
Fibre cement roof sheet		104,3	104,3	104,3	0,0	0,0
Fibrous insulation	Batten board	124,2	132,4	132,4	0,0	+6,6
	Ceiling insulation	116,5	125,3	125,3	0,0	+7,5
	Mattresses	117,2	121,4	121,4	0,0	+3,5

Type of materials	Indices			% change between			
	Nov 2014	Oct 2015	Nov 2015	Oct 2015 and Nov 2015	Nov 2014 and Nov 2015		
		Preformed pipe sections	153,1	162,6	162,6	0,0	+6,2
Flush doors			104,4	96,1	96,1	0,0	-7,9
Foam insulation materials			128,2	124,8	125,1	+0,2	-2,4
		Polyurethane	128,2	124,8	125,1	+0,2	-2,4
Gasses industrial			136,6	144,3	143,8	-0,3	+5,2
Glass for the building industry cut to size			144,2	150,0	150,0	0,0	+4,0
Glass, for building industry			130,2	124,8	124,8	0,0	-4,1
Gypsum board			112,8	112,8	112,8	0,0	0,0
Hinges			109,6	122,0	122,0	0,0	+11,3
Imported Meranti			100,7	116,2	122,4	+5,3	+21,5
Insulator, porcelain			138,0	138,0	138,0	0,0	0,0
Ironmongery			108,7	115,4	115,4	0,0	+6,1
Joint Sealants			117,3	117,3	127,9	+9,0	+9,0
Leather, bovine hide			100,0	100,0	100,0	0,0	0,0
Lever locks			127,1	153,0	153,0	0,0	+20,3
Materials			113,9	100,4	100,5	0,0	-11,7
		Concrete works	114,0	105,7	105,6	0,0	-7,3
		Roads and earthworks	113,7	95,6	95,9	+0,3	-15,6
Mining machinery			113,7	117,4	117,4	0,0	+3,2
Modified Bitumen sheeting			120,3	121,2	121,2	0,0	+0,7
Natural stone, cut and sawn			113,0	116,4	116,7	+0,2	+3,2
Oils and lubricants			74,0	84,3	84,5	+0,2	+14,1
Ordinary and extended cement			104,7	107,5	106,9	-0,5	+2,1
PVC Pipes			123,1	127,3	127,3	0,0	+3,4
Paints			115,6	118,6	118,6	0,0	+2,5
Paper, newsprint			111,1	115,3	115,3	0,0	+3,7
Partitioning materials			113,2	123,1	123,1	0,0	+8,7
Petro-chemical building materials			111,6	105,4	105,6	+0,1	-5,3
Petrol, 93 octane (Coast/ Witwaterand)			101,8	93,3	91,4	-2,0	-10,2
Plain cut paper A4			114,9	123,4	125,1	+1,3	+8,8
Plant			113,5	114,9	115,5	+0,5	+1,7
		Concrete works	117,1	119,5	120,2	+0,5	+2,6
		Roads and earthworks	109,4	109,7	110,1	+0,3	+0,6
Plastic :HDPE,LDPE,PVC,polypropylene			127,6	131,2	131,5	+0,2	+3,0
Plastic bottles			120,3	124,7	124,7	0,0	+3,6
Plastic, bulk forms			110,5	112,6	112,9	+0,2	+2,1
Plate, mild steel			136,2	142,7	142,7	0,0	+4,7
Plumbing			133,3	141,9	141,9	0,0	+6,4
Polybutadiene			90,7	80,2	80,2	0,0	-11,5
Processing oil			124,2	116,3	116,7	+0,3	-6,0
Products of alumina			109,9	111,8	111,8	0,0	+1,7
Profiled aluminium roofing			110,9	121,8	121,2	-0,4	+9,2
Profiled aluminium roofing - distributor level			161,7	159,6	160,5	+0,5	-0,7
Reinforcing steel			116,7	95,1	95,1	0,0	-18,5
Resilient floor coverings			104,6	105,1	105,3	+0,1	+0,6
Rubber crude			92,9	93,9	93,9	0,0	+1,0
		Rubber crude Synthetic	93,0	84,1	84,1	0,0	-9,5
		Rubber crude Synthetic Local	93,0	84,1	84,1	0,0	-9,5
Rubber industry's indices		Carbon black - N660	102,4	75,3	76,5	+1,5	-25,2
		Carbon black - N774	100,7	75,1	76,2	+1,4	-24,3
		Natural rubber imported	70,8	70,0	69,4	-0,8	-1,9
SA Pine, kiln dried			99,5	109,1	109,1	0,0	+9,6
Sand			118,0	121,5	122,1	+0,4	+3,4
Self-Adhesive sheeting			152,8	152,8	166,6	+9,0	+9,0
Sementitious paints			118,9	118,9	118,9	0,0	0,0
Sheet, galvanized			136,2	142,6	142,6	0,0	+4,6
Sheet, uncoated			100,0	100,0	100,0	0,0	0,0
Small steel sections			112,9	112,9	112,9	0,0	0,0
Stainless steel products, flat rolled			99,7	99,4	98,9	-0,5	-0,8
Steel tubes, pipes and fittings			113,6	96,8	96,8	0,0	-14,7
Structural steel products			104,2	102,6	102,6	0,0	-1,5
Structural steel, unworked			101,7	101,2	101,7	+0,4	0,0
Sulphuric acid			108,7	117,5	117,5	0,0	+8,0
Synthetic rubber		1502	80,5	70,5	70,5	0,0	-12,4
		1712	96,5	84,3	84,3	0,0	-12,6
Tar			101,0	105,8	108,1	+2,1	+7,0
Tile adhesives			113,7	117,9	117,9	0,0	+3,6
Tinplate			130,0	123,1	123,1	0,0	-5,3
Transformer oil			111,4	104,6	104,6	0,0	-6,1

Type of materials	Indices			% change between	
	Nov 2014	Oct 2015	Nov 2015	Oct 2015 and Nov 2015	Nov 2014 and Nov 2015
Trucks	112,2	116,7	116,7	0,0	+4,0
Trucks and buses	110,4	115,3	115,3	0,0	+4,4
Tyres and tubes	108,2	107,4	109,0	+1,4	+0,7
Tyres for giant vehicles	106,4	99,7	101,0	+1,3	-5,0
Vinyl sheeting flooring	129,6	135,6	135,6	0,0	+4,6
Vinyl tiles flooring	118,9	121,1	121,1	0,0	+1,8
Wash and basin	123,8	132,7	132,7	0,0	+7,1
Water-closet system (WC's)	160,0	178,2	178,2	0,0	+11,3
Waterproofing	119,2	120,0	120,0	0,0	+0,6
White glazed ceramic tiles	104,6	104,9	104,9	0,0	+0,2
Wood products, excluding mine wood	106,1	112,1	112,1	0,0	+5,6
Wool, auction prices, 18 types	109,2	133,5	136,1	+1,9	+24,6
Woven needle punch carpeting	120,8	124,4	126,0	+1,2	+4,3

EXPLANATORY NOTES

1. Contract Price Adjustment Provisions

The contract between Statistics South Africa and JBCC expired on the 31st December 2011.

No new subscriptions will be available.

The P0151 statistical release is available on Stats SA's website as a free download document. ([www.statssa.gov.za / statistical publications/](http://www.statssa.gov.za/statistical-publications/) search for "jbcc" or "CPAP" or "P0151").

- 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.
- The indices contained in this release are calculated and published for use in conjunction with the "Haylett Formula".
- Enquiries regarding indices can be made at Statistics South Africa, Private Bag X44, Pretoria, 0001, Tel. 012 310 2185 (richardk@statssa.gov.za), while enquiries in connection with the contract price adjustment provisions should be directed, in writing, to Mr HOFFIE CRUYWAGEN (Hoffie.Cruywagen@up.ac.za).
- 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 2185.
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Symbols used: r revised
 .. not available
 p provisional
 f final

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Forthcoming issue	Issue	Expected release date
	November 2015	17 December 2015
	December 2015	28 January 2016
	January 2016	25 February 2016

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