

Statistical release

P0151

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

July 2013

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KEY FINDINGS FOR JULY 2013

MONTHLY CHANGES IN THE CPAP INDICES

In July 2013, month-on-month percentage changes in the work group indices ranged from 0,1% for work group 125 to 5,7% for work group 132. The Consumer Price Index for July 2013 increased by 1,1% month-on-month.

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

- **Work group 132:** The monthly percentage increase of 5,7% reflected by this index is mainly due to a 14,7% monthly increase in the PPI for Lever locks, which accounts for approximately 31,0% of the work group 132 index.
- **Work group 173:** The monthly percentage increase of 5,6% reflected by this index was mainly due to a 7,5% monthly increase in SEIFSA Labour cost, which accounts for approximately 40,0% of the work group 173 index.
- **Work group 172:** The monthly percentage increase of 5,0% reflected by this index was mainly due to a 7,5% monthly increase in SEIFSA Labour cost, which accounts for approximately 45,0% of the work group 172 index.
- **Work group 170:** The monthly percentage increase of 4,3% reflected by this index was mainly due to a 7,5% monthly increase in SEIFSA Labour cost, which accounts for approximately 32,0% of the work group 170 index.
- **Work group 171:** The monthly percentage increase of 4,0% reflected by this index was mainly due to a 7,5% monthly increase in SEIFSA Labour cost, which accounts for approximately 40,0% of the work group 171 index.
- **Work group 140:** The monthly percentage increase of 4,0% reflected by this index is mainly due to a 6,6% monthly increase in the PPI for Extruded aluminium sections – distributor level, which accounts for approximately 60,0% of the work group 140 index.

P J 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
2012	July	369,0	379,9	406,1	550,2	422,0	481,8	222,6	598,6	499,8	334,5
	August	369,9	380,9	405,8	546,0	414,9	476,3	222,7	599,0	500,5	338,5
	September	373,2	383,6	407,6	547,1	416,9	475,9	211,8	600,3	502,4	340,7
	October	375,6	384,9	406,8	548,0	419,3	475,5	212,0	587,3	505,6	341,9
	November	376,5	386,1	408,7	554,7	419,9	477,6	213,6	587,6	506,6	342,4
	December	377,4	387,0	410,4	555,1	420,5	479,0	213,7	596,0	511,6	342,1
2013	January	378,7	389,3	413,7	554,2	422,2	486,0	228,6	611,9	516,5	345,4
	February	382,4	391,7	417,0	557,3	425,3	491,5	234,4	625,6	521,8	350,2
	March	387,0	396,2	420,2	559,1	431,9	495,7	234,9	627,5	528,2	352,9
	April	388,5	397,2	423,0	560,6	433,8	502,5	240,4	644,4	529,2	359,4
	May	387,3	398,0	424,9	564,6	432,4	502,8	240,3	643,9	529,5	353,3
	June	388,5	400,2	426,9	566,5	433,1	503,7	240,4	644,4	535,1	357,3
	July	392,6	405,5	431,1	569,2	435,9	505,8	240,9	646,0	540,1	359,9

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
2012	July	407,8	562,0	516,1	305,3	387,1	419,5	458,7	351,9	535,1	430,5
	August	411,8	564,7	516,4	305,4	382,3	419,7	458,9	351,9	535,9	430,9
	September	412,4	552,4	512,1	305,8	384,3	420,8	466,4	352,6	536,7	429,4
	October	419,9	553,0	512,8	336,1	385,1	421,5	467,1	353,3	538,7	430,4
	November	420,8	553,0	525,6	325,2	386,1	421,7	467,4	353,4	539,5	430,8
	December	422,0	553,4	534,6	325,4	386,4	422,9	467,6	354,3	540,3	431,2
2013	January	422,2	556,8	545,8	336,4	386,6	425,9	468,0	358,6	546,6	438,8
	February	422,7	561,6	546,9	341,9	386,2	431,9	472,3	360,0	551,8	443,0
	March	440,7	571,4	588,6	342,5	391,3	433,2	480,3	361,2	555,7	444,9
	April	440,9	580,6	617,8	342,6	390,9	435,0	484,7	361,5	558,9	450,0
	May	440,8	576,6	617,5	342,5	389,2	434,7	484,4	361,6	558,0	436,8
	June	449,3	577,9	617,8	376,7	389,6	435,0	484,7	365,2	558,9	437,3
	July	457,2	578,8	619,0	377,2	391,9	441,0	498,0	385,9	562,5	439,0

Table 1 – Work group indices (continued)

YEAR AND MONTH		WORK GROUPS									
		138	140	141	142	144	146	148	149	150	152
		PARTITIONING SYSTEMS	ALUMINIUM WORK	STAINLESS STEEL WORK	IN SITU FINISHES	TILING	DRAINAGE	PLUMBING	ALUMINIUM SHOP FRONTS AND PREGLAZED WINDOWS	GLAZING	PAINTING
2012	July	433,1	406,5	358,5	430,8	382,3	350,4	368,9	300,7	365,3	426,4
	August	437,6	407,2	359,0	431,0	382,7	351,0	369,3	301,1	365,4	427,7
	September	439,1	416,2	360,6	433,7	385,6	353,1	370,7	304,5	365,8	431,4
	October	440,2	417,4	365,2	435,6	386,6	355,0	372,3	305,4	366,1	433,2
	November	440,5	417,9	364,7	438,4	387,0	355,0	372,5	305,7	366,2	433,8
	December	441,9	425,9	365,1	439,2	387,3	355,6	372,9	308,3	366,3	434,5
2013	January	445,4	432,7	365,8	440,2	387,9	356,8	389,9	310,8	367,4	437,7
	February	452,4	434,7	367,7	443,6	389,5	359,3	391,4	312,6	368,8	440,4
	March	454,3	437,2	370,0	447,4	388,4	364,8	394,2	314,3	369,4	448,2
	April	456,5	438,0	370,7	449,0	389,1	365,8	395,9	314,9	369,6	449,7
	May	456,0	437,4	370,1	448,6	388,6	365,0	395,4	314,4	369,4	449,4
	June	456,7	438,0	370,7	450,0	389,1	366,3	395,9	316,4	374,6	450,7
	July	461,9	455,5	372,8	454,2	393,1	369,1	398,7	325,4	384,3	454,1

YEAR AND MONTH		154	160	162	170	171	172	173	180	181	190
		ROADWORK	ELECTRICAL INSTALLATIONS	ELECTRICAL RETICULATION	MECHANICAL SERVICES	DUCTWORK INSTALLATIONS	REFRIGERATION INSTALLATIONS	STEEL WATER PIPE INSTALLATIONS	LUMP SUM DOMESTIC BUILDINGS	COMMERCIAL/INDUSTRIAL BUILDINGS	LUMP SUM PRELIMINARIES
2012	July	585,0	499,7	575,5	521,6	523,0	838,1	469,7	436,9	443,4	405,1
	August	577,7	501,1	577,6	522,0	523,0	841,1	469,0	436,9	443,0	405,7
	September	578,2	500,7	576,6	522,6	519,3	836,1	467,3	438,2	444,3	410,1
	October	582,0	498,8	571,0	523,2	519,3	870,2	467,7	439,5	445,2	412,6
	November	585,2	503,7	578,4	523,5	524,8	892,0	467,3	441,4	446,8	413,5
	December	589,0	503,2	576,8	525,3	528,5	877,6	469,0	442,9	448,1	413,9
2013	January	587,8	509,6	587,1	528,9	536,7	886,3	473,3	447,3	452,4	414,5
	February	591,7	514,0	594,2	530,6	538,0	902,2	484,7	450,0	456,0	417,2
	March	594,2	518,5	600,2	533,1	555,4	909,0	485,0	456,5	460,9	422,5
	April	594,8	524,1	606,5	535,1	569,1	900,3	486,4	459,5	464,1	423,7
	May	601,3	519,5	598,0	535,6	569,1	865,6	486,4	458,0	463,3	421,8
	June	608,6	522,1	602,0	537,0	569,1	880,6	484,8	460,1	465,2	423,0
	July	617,0	534,8	615,5	559,8	591,8	924,3	511,9	465,2	471,5	429,3

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
2012	July	603,8
	August	603,8
	September	603,8
	October	589,9
	November	589,9
	December	597,9
2013	January	613,2
	February	625,4
	March	625,4
	April	641,6
	May	641,6
	June	641,6
	July	653,6

Table 3 – Producer Price Index for materials used in certain industries**Base 2012=100**

Industry		Indices			% change between	
		Jul 2012	Jun 2013	Jul 2013	Jun 2013 and Jul 2013	Jul 2012 and Jul 2013
Building and construction		100,1	106,4	107,2	+0,7	+7,0
	Building industries	100,2	106,3	107,0	+0,6	+6,7
	Civil engineering	100,0	104,9	105,4	+0,4	+5,4
Electrical engineering		100,5	103,1	103,8	+0,6	+3,2
Mechanical engineering		100,0	103,6	104,1	+0,4	+4,1

Table 4 – Producer Price Index for selected materials

Base : 2012 = 100

Type of materials		Indices			% change between	
		Jul 2012	Jun 2013	Jul 2013	Jun 2013 and Jul 2013	Jul 2012 and Jul 2013
Aggregated crushed stone		104,0	105,8	105,8	0,0	+1,7
Aluminium	Anodising	100,0	100,0	100,0	0,0	0,0
	Basic forms	99,4	104,0	106,5	+2,4	+7,1
	Extruded products	100,0	100,0	100,0	0,0	0,0
	Sheeting	100,6	105,8	101,2	-4,3	+0,5
Aluminium lever furniture		100,5	107,2	112,9	+5,3	+12,3
Angles, mild steel		101,1	112,1	112,1	0,0	+10,8
Bead wire		100,0	100,0	100,0	0,0	0,0
Bearings, ball and roller		99,8	106,1	106,1	0,0	+6,3
Billets, mild steel		100,0	100,0	100,0	0,0	0,0
Bitumen		100,8	106,8	109,6	+2,6	+8,7
Bitumen and Acrylic Emulsion		99,2	113,0	117,4	+3,8	+18,3
Boxes, corrugated cardboard		98,9	109,2	109,0	-0,1	+10,2
Bricks - Face		101,8	109,1	110,2	+1,0	+8,2
Bricks - Stock		100,6	110,7	111,6	+0,8	+10,9
Building boards		99,3	105,9	105,9	0,0	+6,6
Ceiling materials		101,0	105,5	105,5	0,0	+4,4
Cement Retail price		100,7	102,7	102,7	0,0	+1,9
Cement building blocks		100,2	105,9	107,8	+1,7	+7,5
Ceramic and encaustic wall and floor tiles and mosaics		100,1	98,7	98,7	0,0	-1,3
Chrome		100,0	100,0	100,0	0,0	0,0
Civil engineering plant		100,1	105,4	107,1	+1,6	+6,9
Coal, Anthracite - for local sales Grade A		100,0	100,0	100,0	0,0	0,0
Coal, Anthracite - for local sales Grade SP		98,1	112,0	113,4	+1,2	+15,5
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		102,9	105,0	105,0	0,0	+2,0
Coal, Peas - grade A		99,3	103,8	103,8	0,0	+4,5
Coal, Peas - grade B		103,7	105,0	105,0	0,0	+1,2
Coal, Small nuts - grade A		99,5	104,5	106,3	+1,7	+6,8
Coal, Small nuts - grade B		104,3	107,9	107,9	0,0	+3,4
Coal, bituminous		100,1	102,7	102,7	0,0	+2,5
Coal, bituminous - for local sales		100,1	102,7	102,7	0,0	+2,5
Coated profiled GMS sheeting (roofing)		99,2	132,8	132,8	0,0	+33,8
Concrete pipes		100,4	102,3	102,8	+0,4	+2,3
Concrete roof tiles		105,7	106,8	106,8	0,0	+1,0
Construction machinery (excluding trucks)		100,0	102,9	103,1	+0,1	+3,1
Containers, glass		99,8	105,2	105,2	0,0	+5,4
Copper Piping		100,0	100,0	100,0	0,0	0,0
Copper, basic forms		100,0	100,0	100,0	0,0	0,0
Coumarone indene resin (imported)		100,0	125,0	150,0	+20,0	+50,0
Craft paper		100,0	105,8	105,8	0,0	+5,8
Cylinder lock set		100,0	100,0	100,0	0,0	0,0
Diesel at wholesale level	Coast	93,8	112,4	115,5	+2,7	+23,1
	Witwatersrand	94,6	111,0	114,1	+2,7	+20,6
Diesel fuel	Coast and Witwatersrand	91,3	103,2	106,4	+3,1	+16,5
	Retail Metropolitan and other urban areas	95,6	98,9	103,2	+4,3	+7,9
	Retail Metropolitan areas	95,0	91,0	94,5	+3,8	-0,5
Drainage		99,5	103,2	103,2	0,0	+3,7
Drop in ceiling tiles-gypsum		101,0	101,0	101,0	0,0	0,0
Drop-in ceiling tiles - masonite		105,2	105,2	108,6	+3,2	+3,2
Electrical contracting materials		100,2	103,5	104,2	+0,6	+3,9
Enamel paints		101,4	110,9	111,4	+0,4	+9,8
Extruded aluminium distributor level		98,2	108,1	115,3	+6,6	+17,4
Extruded aluminium section		100,0	100,0	100,0	0,0	0,0
Ferro-chromium		100,4	98,9	111,6	+12,8	+11,1
Fibre cement roof sheet		100,3	104,3	104,3	0,0	+3,9
Fibrous insulation	Batten board	107,9	107,9	107,9	0,0	0,0
	Ceiling insulation	100,0	106,4	106,4	0,0	+6,4

Type of materials		Indices			% change between	
		Jul 2012	Jun 2013	Jul 2013	Jun 2013 and Jul 2013	Jul 2012 and Jul 2013
	Mattresses	96,8	106,7	106,7	0,0	+10,2
	Preformed pipe sections	100,0	100,0	100,0	0,0	0,0
Flush doors		99,4	104,4	104,4	0,0	+5,0
Foam insulation materials		100,0	105,8	113,7	+7,4	+13,7
	Polyurethane	100,0	105,8	113,7	+7,4	+13,7
Gasses industrial		100,3	100,3	100,3	0,0	0,0
Glass for the building industry cut to size		101,3	103,5	106,4	+2,8	+5,0
Glass, for building industry		98,6	119,7	125,0	+4,4	+26,7
Gypsum board		101,0	105,0	105,0	0,0	+3,9
Hinges		100,2	101,3	101,4	+0,0	+1,1
Imported Meranti		102,1	94,4	95,7	+1,3	-6,2
Insulator, porcelain		97,5	116,9	116,9	0,0	+19,8
Ironmongery		99,8	104,8	106,9	+2,0	+7,1
Joint Sealants		100,0	106,9	112,7	+5,4	+12,7
Leather, bovine hide		100,0	100,0	100,0	0,0	0,0
Lever locks		100,4	104,8	120,3	+14,7	+19,8
Materials		100,7	107,8	108,4	+0,5	+7,6
	Concrete works	100,3	107,3	107,3	0,0	+6,9
	Roads and earthworks	101,0	108,3	109,4	+1,0	+8,3
Mining machinery		99,6	107,5	107,8	+0,2	+8,2
Modified Bitumen sheeting		99,7	110,9	111,2	+0,2	+11,5
Natural stone, cut and sawn		98,9	108,4	108,6	+0,1	+9,8
Oils and lubricants		89,7	120,8	123,5	+2,2	+37,6
Ordinary and extended cement		99,0	103,6	103,7	+0,0	+4,7
PVC Pipes		100,8	104,2	104,2	0,0	+3,3
Paints		100,0	108,6	109,2	+0,5	+9,2
Paper, newsprint		100,4	102,2	102,2	0,0	+1,7
Partitioning materials		101,0	105,5	105,5	0,0	+4,4
Petro-chemical building materials		102,1	105,2	106,4	+1,1	+4,2
Petrol, 93 octane (Coast/ Witwaterand)		92,7	103,6	104,7	+1,0	+12,9
Plain cut paper A4		101,7	103,7	103,7	0,0	+1,9
Plant		100,3	104,6	106,5	+1,8	+6,1
	Concrete works	100,3	104,6	106,9	+2,1	+6,5
	Roads and earthworks	100,4	104,7	106,1	+1,3	+5,6
Plastic :HDPE,LDPE,PVC,polypropylene		100,6	105,1	105,9	+0,7	+5,2
Plastic bottles		100,4	100,4	100,4	0,0	0,0
Plastic, bulk forms		99,4	103,9	104,1	+0,1	+4,7
Plate, mild steel		99,2	132,8	132,8	0,0	+33,8
Plumbing		99,8	118,9	120,5	+1,3	+20,7
Polybutadiene		100,0	100,0	100,0	0,0	0,0
Processing oil		95,8	119,5	116,6	-2,4	+21,7
Products of alumina		98,5	108,1	108,1	0,0	+9,7
Profiled aluminium roofing		98,3	108,1	112,0	+3,6	+13,9
Profiled aluminium roofing - distributor level		98,0	124,0	124,0	0,0	+26,5
Reinforcing steel		99,5	107,9	107,9	0,0	+8,4
Resilient floor coverings		100,4	100,8	101,7	+0,8	+1,2
Rubber crude		101,3	95,5	95,4	-0,1	-5,8
	Rubber crude Synthetic	101,3	95,5	95,4	-0,1	-5,8
	Rubber crude Synthetic Local	101,3	95,5	95,4	-0,1	-5,8
Rubber industry's indices	Carbon black - N660	102,7	89,2	93,6	+4,9	-8,8
	Carbon black - N774	102,8	93,6	92,7	-0,9	-9,8
	Natural rubber imported	97,6	98,6	97,4	-1,2	-0,2
SA Pine, kiln dried		110,0	98,8	98,8	0,0	-10,1
Sand		100,8	105,5	108,0	+2,3	+7,1
Self-Adhesive sheeting		98,1	105,5	114,5	+8,5	+16,7
Sementitious paints		99,4	102,9	102,9	0,0	+3,5
Sheet, galvanized		99,1	132,8	132,8	0,0	+34,0
Sheet, uncoated		100,0	100,0	100,0	0,0	0,0
Small steel sections		100,0	89,4	89,4	0,0	-10,6
Stainless steel products, flat rolled		98,3	99,7	99,7	0,0	+1,4
Steel tubes, pipes and fittings		99,3	109,8	109,8	0,0	+10,5
Structural steel products		100,3	103,6	103,6	0,0	+3,2
Structural steel, unworked		100,1	101,5	101,5	0,0	+1,3
Sulphuric acid		99,6	101,0	101,0	0,0	+1,4
Synthetic rubber	1502	104,8	86,6	85,2	-1,6	-18,7
	1712	100,0	100,0	100,0	0,0	0,0
Tar		97,9	107,6	108,3	+0,6	+10,6
Tile adhesives		100,0	100,0	105,8	+5,8	+5,8
Tinplate		97,5	101,9	101,9	0,0	+4,5

Type of materials	Indices			% change between	
	Jul 2012	Jun 2013	Jul 2013	Jun 2013 and Jul 2013	Jul 2012 and Jul 2013
Transformer oil	106,6	100,9	98,4	-2,4	-7,6
Trucks	100,1	103,9	106,2	+2,2	+6,0
Trucks and buses	100,1	103,0	104,8	+1,7	+4,6
Tyres and tubes	101,3	102,1	103,1	+0,9	+1,7
Tyres for giant vehicles	100,5	101,8	103,6	+1,7	+3,0
Vinyl sheeting flooring	101,1	107,2	113,7	+6,0	+12,4
Vinyl tiles flooring	98,8	103,8	106,8	+2,8	+8,0
Wash and basin	100,3	116,6	116,6	0,0	+16,2
Water-closet system (WC's)	100,0	135,4	138,5	+2,2	+38,5
Waterproofing	102,6	107,5	109,4	+1,7	+6,6
White glazed ceramic tiles	99,3	98,5	98,5	0,0	-0,8
Wood products, excluding mine wood	100,4	104,5	104,7	+0,1	+4,2
Wool, auction prices, 18 types	94,1	112,5	112,5	0,0	+19,5
Woven needle punch carpeting	102,2	108,9	109,8	+0,8	+7,4

IMPORTANT NOTICE

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/ 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.
- Price information on materials refers to the first seven days of the relevant month.
- Sales tax (GST) and value-added tax (VAT) are not included in these indices.

* Symbols used:

r	revised
..	not available
p	provisional
f	final
e	

Note: Stats SA wishes to improve the coverage and relevance of Table 4: PPI for selected materials. We therefore invite users to provide us with requests and suggestions. Please direct your contribution to: richardk@statssa.gov.za

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