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# Construction Materials Price Indices

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

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

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**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
2016	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
	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	101,0	111,6

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	Sep	99,0	99,8	99,5	100,9	91,1	98,0	99,9	100,0
	Oct	99,1	100,5	99,6	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	100,8	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

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	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
	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

**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
2016	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	101,6
	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 r
	Sep	102,8	101,5	99,6	102,8	100,4	104,7	104,2	107,7

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	Sep	91,9	99,3	95,9	92,9	95,2	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	101,5	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 r	102,1	102,7	104,4	104,4	102,7	103,0 r	102,3
	Sep	108,5	102,8	104,7	108,2	104,4	103,4	104,0	102,9

**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
Total construction		100,00					
	Site preparation	0,97					
	Construction of buildings	23,96					
	Civil engineering	36,88					
	Other structures	1,54					
	Construction by specialist trade contractors	6,07					
	Plumbing	1,72					
	Electrical contractors	8,06					
	Shopfitting	0,52					
	Other building installation	7,63					
	Painting and decorating	1,06					
	Other building completion	8,35					
	Renting of construction or demolition equipment with operators	3,24					

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**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
Total construction		100,00					
Construction stone and sand		9,23					
	Aggregate stones	7,93					
	Sand	0,82					
	Granite, sandstone and other monumental and building stone	0,48					
Carpets (excluding mats and rugs)		1,00					
Boards of woods		1,69					
Builders' carpentry of wood		1,59					
Paints		2,92					
Prepared explosives		0,34					
Construction tyres		0,63					
Construction pipes, tubes and fittings		3,24					
	Tubes, pipes, tube-fittings and pipe-fittings of copper	1,23					
	Concrete pipes	0,38					
	Construction plastic pipes, tubes and fittings	1,63					
Adhesive and sealant		0,31					
Vinyl sheeting and flooring		0,04					
Non-structural ceramic ware		0,34					
Construction bricks and tiles		11,93					
	Bricks	10,77					
	Tiles	1,16					
Cement		11,67					
Ready-mix concrete		5,68					
Ceiling boards		1,38					
Prefabricated cement and concrete components		0,98					
Pre-mix asphalt		0,07					
Bituminous mixtures		8,28					

**Table 3 – Construction input price index (CIPI): 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
Construction structural and reinforcing steel		18,41					
	Bars and rods of iron or steel	9,16					
	Reinforcing metal work	2,38					
	Angles, shapes, sections and similar products of iron or steel	1,21					
	Equipment for scaffolding, shuttering and propping	1,95					
	Welded angles, shapes and sections for use in manufactured structures	2,97					
	Steel door and window frames	0,74					
Wire of iron or steel		0,18					
Construction taps, cocks and valves		1,33					
Construction pumps, compressors and refrigerator machinery		4,94					
Construction electric motors, generators and transformers		0,90					
Electrical components		1,97					
Electrical cable		3,55					
Construction, distribution and control equipment		5,44					
Construction vehicle parts		1,95					



**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					
Lifting and handling equipment and parts thereof		7,57					
Machinery for mining, quarrying and construction and parts thereof		36,90					
	Moving, grading, levelling, scraping, excavating, tamping, compacting and extracting machinery	28,38					
	Machinery for sorting, screening, separating, washing, crushing, grinding, mixing and kneading of construction material	8,52					
Lorries, trucks and vans exceeding 3,5 tons		55,53					

**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					
Electrical engineering	100,00					

**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					
Civil engineering material (excluding bitumen)					
Civil engineering material (excluding reinforcing metal work)					
Civil engineering material (excluding reinforcing metal work and bitumen)					
Civil engineering material – structures (excluding bitumen)					
Civil engineering material – roads, general					
Civil engineering material – roads, general (excluding bitumen)					
Civil engineering material – roads, refurbishment					
Civil engineering material – roads, refurbishment (excluding bitumen)					
Civil engineering material – roads, reseal					
Civil engineering material – roads, reseal (excluding bitumen)					
Civil engineering material – bulk earthworks					
Civil engineering material – bulk earthworks (excluding bitumen)					

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