



مركز الإحصاء
STATISTICS CENTRE



Building Materials Price Statistics

2015

Table of Contents

Introduction	3
Key Points.....	4
Monthly Changes in the Prices of Building Material Groups during 2015 Compared with 2014.....	5
Cement	5
Aggregates and Sand	6
Concrete	7
Steel	7
Wood.....	8
Block.....	9
Roofing Materials	10
Waterproofing Products	10
Natural Stone	11
Tiles and Marble	11
Sanitary Ware.....	12
False Ceiling	13
Paints	13
Glass.....	14
Pipes.....	14
Wires	15
Power cable.....	16
Transport Equipment.....	17
Employment	18
Diesel	19
Methodology	20
Statistical tables	24

Introduction

Statistics Centre – Abu Dhabi (SCAD) is pleased to present the ‘Building Materials Price Statistics 2015 publication’ in response to the directives of our wise leadership for the development of economic sectors and the provision of support to policy makers and researchers in the Emirate.

Building materials prices are key economic indicators that play an instrumental role in planning and research in various fields. They can be used in calculating the price index of construction activity, and thus used in producing the GDP at current prices. In response to the urban development and continuous growth taking place in the construction sector, SCAD collects building materials price data on a regular basis. The bulletin includes the prices of 21 key building materials groups, which will assist decision and policy makers and researchers in planning and meeting sound decisions to support the building materials sector and other related sectors.

SCAD extends sincere thanks to all those who contributed to the collection of prices and the production of this publication. SCAD welcomes any suggestions that might help to improve the future statistical outputs and products in order to meet the needs of data users and enhance the statistical work in the Emirate of Abu Dhabi.

H.E. Butti Ahmed Mohammed Al Qubaisi

Director General

Key Points

The publication provides analysis of building materials price changes in 2015 compared with 2014. The data attached to this publication contains the monthly average prices in UAE dirham (AED) for 195 building material items in the city of Abu Dhabi, in addition to the relative changes in commodity prices that took place between 2014 and 2015, The data also provides the relative changes in average prices of twenty-one building material groups, which were as follows:

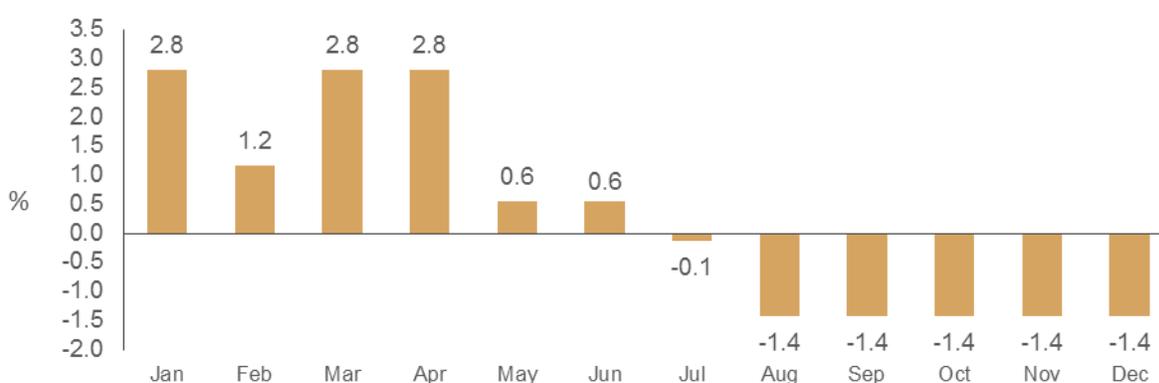
- The average prices of the following building materials groups increased in 2015 compared with 2014: the 'False ceiling' group increased by 6.5%, the 'Tiles and marble' group by 5.9%, the 'Employment' group by 2.7% and the 'Wood' group by 1.2%.
- The average prices of the following building materials groups decreased in 2015 compared with 2014: the 'Waterproofing products' group declined by 17.0%, while the 'Steel', 'Power cable' and 'Wires for towers' groups decreased by 15.7%, 11.3%, and 8.8% respectively compared with 2014.

Monthly Changes in the Prices of Building Material Groups during 2015 Compared with 2014

Cement

The average prices of the 'Cement' group increased by 0.3% in 2015 compared with 2014. The increases ranged between 0.6% and 2.8% compared with 2014. While the decreases ranged between 0.1% and 1.4%.

Figure 1: Relative change in the average price of the cement group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Table (1) show the changes in the items of the 'Cement' group during 2015 compared with 2014.

Table 1: Relative change in the average price of the cement group in 2015 compared with 2014

Serial	Cement	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	Sulphate Resistance \ Ras Al khaima \ Ton \ U.A.E. *	313.3	310.0	-1.1	▼
2	Sulphate Resistance \ Emirates \ Ton \ U.A.E.	-	-		
3	Portland Cement \ Al- Etihad \ Ton \ U.A.E.	273.3	280.0	2.4	▲
4	White Cement \ Ras Al khaima \ Ton \ U.A.E.	700.0	700.0	0.0	—
5	Lime \ Oman \ Ton \ Oman	1,250.0	1,250.0	0.0	—
6	Gypsum \ Oman \ Ton \ Oman	440.0	442.0	0.5	▲

Source: Statistics Centre – Abu Dhabi

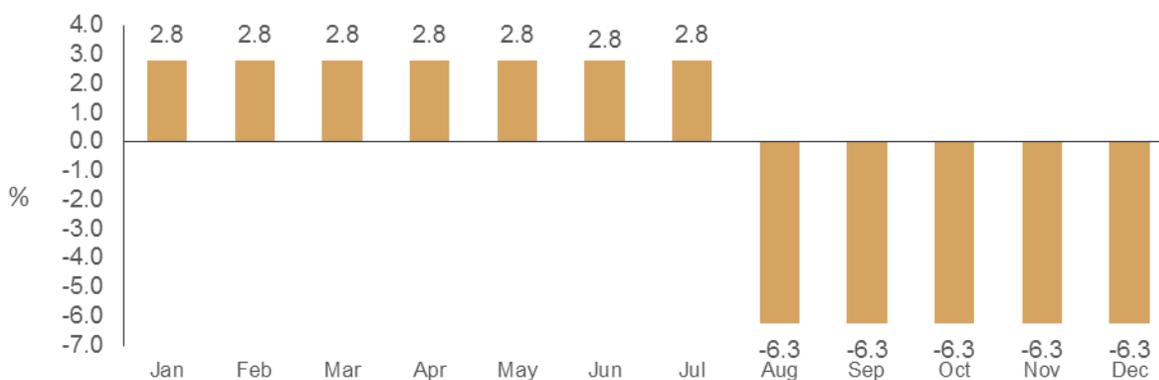
(*): The description has been updated

(-): Not available

Aggregates and Sand

The 'Aggregates and sand' group recorded a decrease of 1.0% in its average prices in 2015. Figure (2) shows the monthly increases and decreases of the 'Aggregates and sand' group in 2015 compared with 2014.

Figure 2: Relative change in the average price of the aggregates and sand group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Most items of the 'Aggregates and sand' group recorded decreases in average prices in 2015 compared with 2014. The decreases ranged between 1.5% and 4.6%.

Table 2: Relative change in the average price of the aggregates and sand group in 2015 compared with 2014

Serial	Aggregates and Sand	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	Aggregates \ Crush 3/4 \ m ³ \ U.A.E.	80.0	77.9	-2.6	▼
2	Aggregates \ Ordinary 3/4 \ m ³ \ U.A.E.	75.0	72.9	-2.8	▼
3	Aggregates \ Crush 3/8 \ m ³ \ U.A.E.	70.0	69.0	-1.5	▼
4	Aggregates \ Ordinary 3/8 \ m ³ \ U.A.E.	70.0	69.0	-1.5	▼
5	Aggregates \ Material Sand \ m ³ \ U.A.E.	60.0	60.0	0.0	—
6	Sand \ White \ m ³ \ U.A.E.	45.0	42.9	-4.6	▼
7	Sand \ Black \ m ³ \ U.A.E.	60.0	57.9	-3.5	▼
8	Sand \ Red \ m ³ \ U.A.E.	44.2	47.9	8.5	▲

Source: Statistics Centre – Abu Dhabi

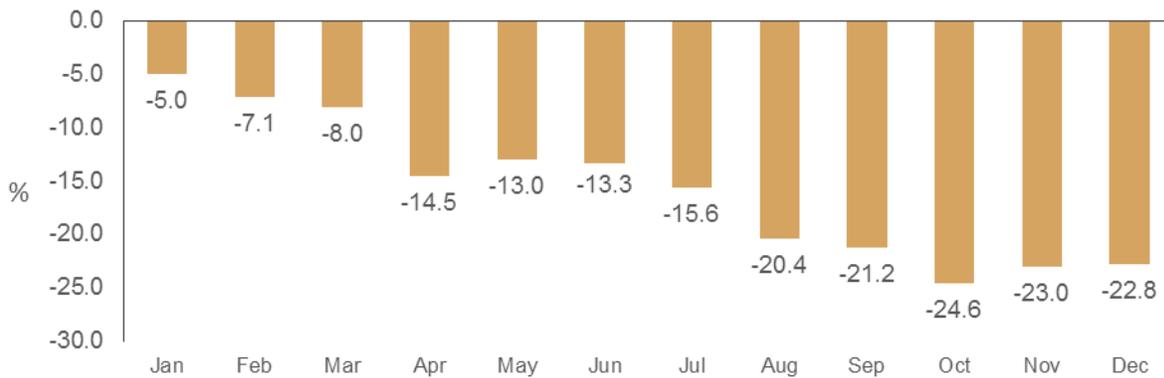
Concrete

The annual average prices of the 'Concrete' group increased by 0.1% during 2015 compared with 2014. In 2014 the 'Concrete' group index showed no change, while previous statistics show that the 'Concrete' group decreased in 2009, 2010, 2011, 2012 and 2013 by 13.5%, 30.5%, 6.0%, 4.5% and 1.9% respectively.

Steel

The average prices of the 'Steel' group decreased by 15.7% in 2015 compared with 2014. The 'Steel' group recorded decreases during the year ranging between, 5.0% in January and 24.6% in October 2015 compared with the same month of 2014.

Figure 3: Relative change in the average price of the steel group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

The fall in the average price of the 'Steel' group came as a result of a decrease in most items in the group. The decreases ranged between 8.7% and 33.2%.

Table 3: Relative change in the average price of the steel group in 2015 compared with 2014

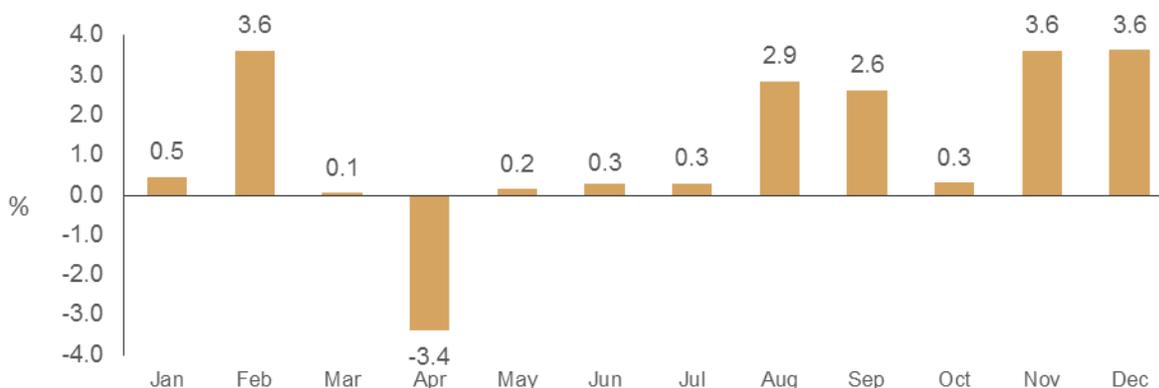
Serial	Steel	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	Steel \ Bars, 6 - 8 mm \ Ton \ Turkey	2745.4	1,833.2	-33.2	▼
2	Steel \ Bars, 10-25 mm \ Ton \ Qatar	2319.0	1,850.0	-20.2	▼
3	Steel \ Bars, 10-25 mm \ Ton \ U.A.E.	2422.9	1,832.5	-24.4	▼
4	Steel \ Bars, 10-25 mm \ Ton \ Turkey	2449.2	1,828.8	-25.3	▼
5	Steel \ High tensile Steel \ Ton \ Qatar	2335.8	1,850.6	-20.8	▼
6	Steel \ High tensile Steel \ Ton \ Turkey	2299.2	1,839.4	-20.0	▼
7	Steel \ High tensile Steel \ Ton \ U.A.E.	2307.5	1,843.3	-20.1	▼
8	B.R.C. Mesh \ 6 mm (142) \ Piece \ U.A.E.	68.3	55.3	-19.0	▼
9	B.R.C. Mesh \ 7 mm (193) \ Piece \ U.A.E.	89.6	79.8	-10.9	▼
10	B.R.C. Mesh \ 8 mm (252) \ Piece \ U.A.E.	115.1	105.1	-8.7	▼
11	Wire \ Binding Wire \ Bundle - 10Kg \ China	37.4	38.8	3.6	▲

Source: Statistics Centre – Abu Dhabi

Wood

The annual average prices of the 'Wood' group increased by 1.2% as a result of the rise in the average prices of most items in the group in 2015 compared with 2014. The increases ranged between 0.1% and 3.6%.

Figure 4: Relative change in the average price of the wood group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Items of the 'Wood' group experienced various rises and falls in 2015.

Table 4: Relative change in the average price of the wood group in 2015 compared with 2014

Serial	Wood	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	White \ White Wood \ m ² \ Chile	872.9	934.2	7.0	▲
2	White \ White Wood \ m ² \ Romania	875.3	842.9	-3.7	▼
3	Red Timber \ Big \ Keruing \ sheet \ Malaysia	63.0	-		
4	Red Timber \ Big \ Meranti \ sheet \ Malaysia	74.7	-		
5	Red Timber \ Small \ Keruing \ sheet \ Malaysia	-	-		
6	Red Timber \ Small \ Meranti \ sheet \ Malaysia	64.8	64.6	-0.3	▼
7	White Plywood \ 4x8x3.6 mm \ Sheet \ Indonesia	27.9	29.1	4.1	▲
8	White Plywood \ 4x8x6 mm \ Sheet \ Indonesia	37.9	38.4	1.5	▲
9	White Plywood \ 4x8x9 mm \ Sheet \ Indonesia	59.4	61.0	2.8	▲
10	White Plywood \ 4x8x12 mm \ Sheet \ Indonesia	79.3	81.1	2.3	▲
11	White Plywood \ 4x8x18 mm \ Sheet \ Indonesia	112.1	110.2	-1.7	▼
12	Red Teak Faced Plywood \ 3x7x3.6 mm \ Sheet \ Indonesia	36.5	38.8	6.0	▲
13	Red Teak Faced Plywood \ 4x8x3.6 mm \ Sheet \ Indonesia	46.7	50.1	7.2	▲
14	Marine Plywood Humidity Resistance \ 12 mm \ Sheet \ Indonesia	112.7	108.5	-3.7	▼
15	Marine Plywood Humidity Resistance \ 18 mm \ Sheet \ Indonesia	134.6	134.9	0.3	▲

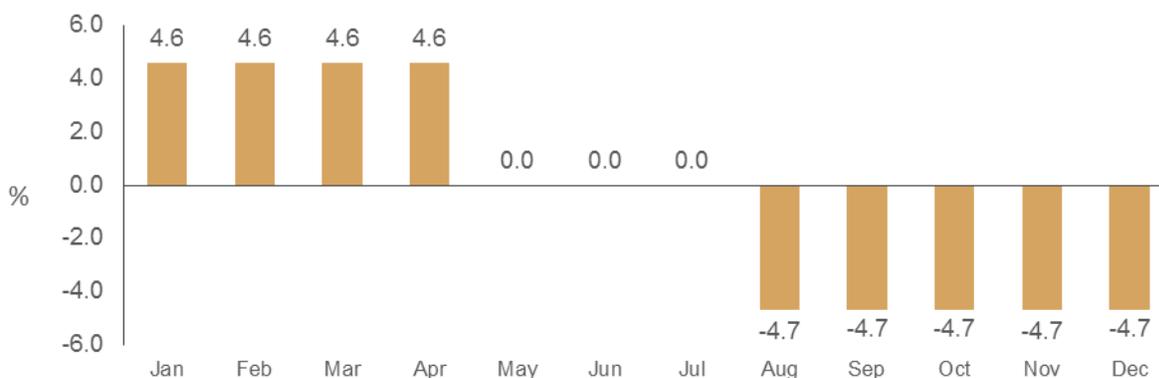
Source: Statistics Centre – Abu Dhabi

(-): Not Available

Block

The average prices of the 'Block' group decreased by 0.4% during 2015 compared with 2014.

Figure 5: Relative change in the average price of the block group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Table 5: Relative change in the average price of the block group in 2015 compared with 2014

Serial	Block	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	Hollow \ 4' 10x20x40 cm \ Thousand \ U.A.E.	1,666.7	1,658.3	-0.5	▼
2	Hollow \ 6' 15x20x40 cm \ Thousand U.A.E.	1,866.7	1,858.3	-0.4	▼
3	Hollow \ 8' 20x20x40 cm \ Thousand U.A.E.	2,066.7	2,058.3	-0.4	▼
4	Solid \ 4' 10x20x40 cm \ Thousand \ U.A.E.	2,566.7	2,558.3	-0.3	▼
5	Solid \ 6' 15x20x40 cm \ Thousand \ U.A.E.	2,816.7	2,787.5	-1.0	▼
6	Solid \ 8' 20x20x40 cm \ Thousand \ U.A.E.	3,166.7	3,158.3	-0.3	▼

Source: Statistics Centre – Abu Dhabi

Roofing Materials

The annual average prices of the 'Roofing materials' group increased by 1.0% in 2015 compared with 2014.

Table 6: Relative change in the average price of the roofing materials group in 2015 compared with 2014

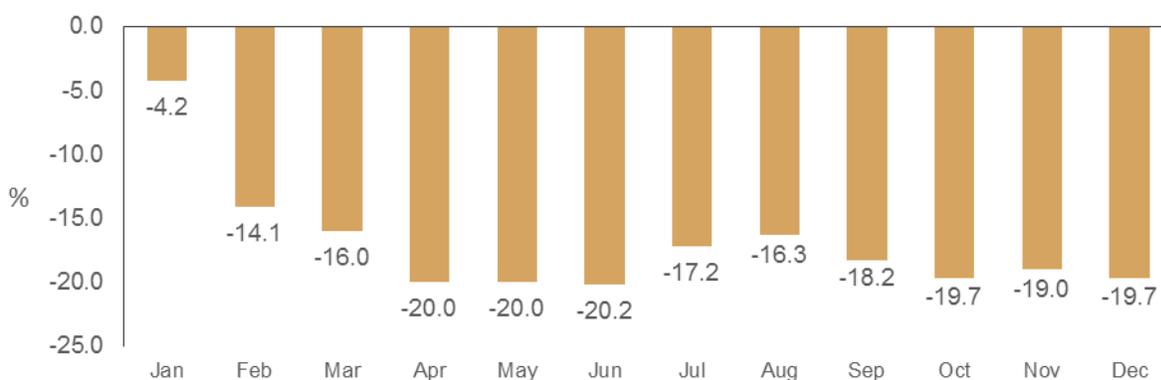
Serial	Roofing Materials	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	Zinc Sheet \ Corrugated 8 Feet \ Strong \ India	29.0	29.6	2.0	▲
2	Zinc Sheet \ Corrugated 8 Feet \ Light \ India	19.0	19.0	0.0	—

Source: Statistics Centre – Abu Dhabi

Waterproofing Products

The annual average prices of the 'Waterproofing products' group decreased by 17.0% in 2015 compared with 2014.

Figure 6: Relative change in the average price of the waterproofing products group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Natural Stone

The annual average prices of the 'Natural Stone' group decreased by 1.1% in 2015 compared with 2014.

Table 7: Relative change in the average price of the natural stone group in 2015 compared with 2014

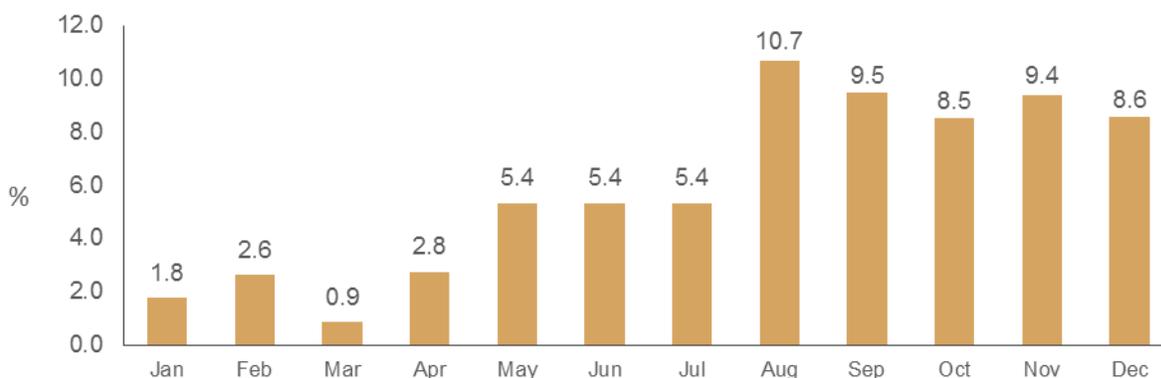
Serial	Natural Stone	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %
1	Natural Stone \ Width 25 cm, Height 3 cm \ White - Al Qtarana \ m ² \ Jordan	75.0	87.5	16.7 ▲
2	Natural Stone \ Width 25 cm, Height 3 cm \ Ajloun \ m ² \ Jordan	152.5	134.2	-16.1 ▼
3	Natural Stone \ Width 25 cm, Height 3 cm \ Ma'an \ m ² \ Jordan	161.3	180.0	0.0 —

Source: Statistics Centre – Abu Dhabi

Tiles and Marble

The annual average prices of the 'Tiles and marble' group increased by 5.9% in 2015 compared with 2014. The increases ranged between 0.9% and 10.7%.

Figure 7: Relative change in the average price of the tiles and marble group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Sanitary Ware

The annual average prices of the ‘Sanitary Ware - Bathroom set with accessories’ group decreased by 1.2% in 2015 compared with 2014 and ‘Sanitary Ware - Sink Stainless Steel with Mixer-Single’ decreased by 0.5%, while ‘Sanitary Ware - Bathroom set without accessories’ increased by 1.0%.

Table 8: Relative change in the average price of the sanitary ware group in 2015 compared with 2014

Serial	Sanitary Ware	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
Bathroom Set without Accessories					
1	Bathroom White Set \ Orient \ Set \ Ras Al khaima	1,007.9	1,033.3	2.5	▲
2	Bathroom White Set \ Prime \ Set \ Ras Al khaima	1,672.8	1,781.8	6.5	▲
3	Bathroom White Set \ Star \ Set \ Ras Al khaima	2,578.5	2,584.0	0.2	▲
4	Bathroom Coloured Set \ Liwa \ Set \ Ras Al khaima	1,023.2	1,034.7	1.1	▲
5	Bathroom Coloured Set \ Flora \ Set \ Ras Al khaima	936.2	912.3	-2.6	▼
6	Bathroom Coloured Set \ Venees \ Set \ Ras Al khaima	1,923.8	1,900.3	-1.2	▼
Bathroom Set with Accessories					
1	Bathroom Coloured Set \ Globo \ Set \ Italy	3,400	3,316.7	-2.5	▼
2	Bathroom Coloured Set \ Ideal Standard \ Set \ Italy	18,000.0	18,000.0	0.0	—
Sink Stainless Steel With Mixer-Single					
1	Water Heater (12) Gallons \ Chaffoteaux \ Set \ Saudi Arabia	250.0	250.0	0.0	—
2	Water Heater (16) Gallons \ Chaffoteaux \ Set \ Saudi Arabia	290.0	290.0	0.0	—
3	Water Tank Fiberglass \ 2000 Gallons \ Set \ U.A.E.	2,800.0	2,800.0	0.0	—
4	Water Tank Fiberglass \ 1000 Gallons \ Set \ U.A.E.	1,433.3	1,400.0	-2.3	▼
5	Water Tank Fiberglass \ 1500 Gallons \ Set \ U.A.E.	2,150.0	2,150.0	0.0	—

Source: Statistics Centre – Abu Dhabi

False Ceiling

The annual average prices of the 'False ceiling' group increased by 6.5% in 2015 compared with 2014. All averages of the 'False Ceiling' items in the group changed during 2015 compared with 2014.

Table 9: Relative change in the average price of false ceiling group in 2015 compared with 2014

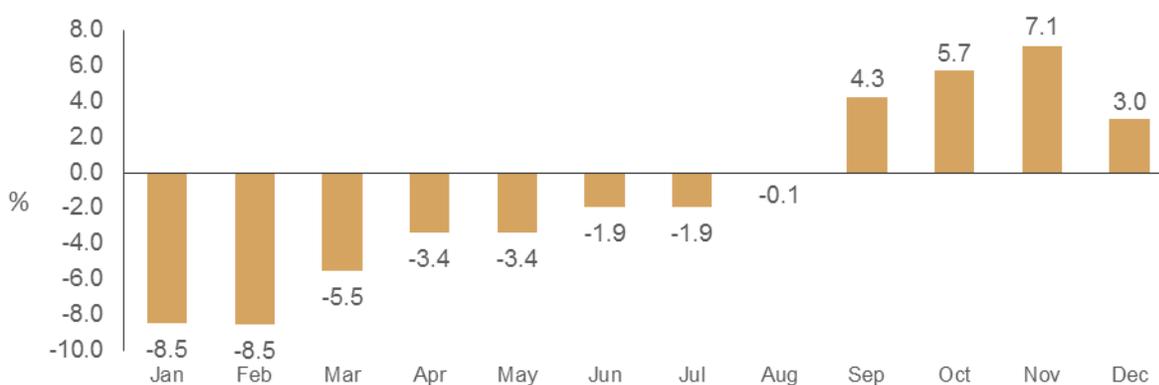
Serial	False ceiling	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %
1	False Ceiling \ Aluminum Luxalon \ m ² \ U.A.E.	120.0	115.8	-3.5 ▼
2	False Ceiling \ Gypsum Ceiling (9.5 mm) \ m ² \ U.A.E.	60.0	69.2	15.3 ▲
3	False Ceiling \ Gypsum Printing \ m ² \ U.A.E.	59.2	67.5	14.1 ▲
4	False Ceiling \ Celotex Ceiling 60x60 cm-15 mm \ m ² \ Saudi Arabia	65.0	71.7	10.3 ▲
5	False Ceiling \ Accoustic Ceiling 30x30 cm \ m ² \ Saudi Arabia	122.5	118.3	-3.4 ▼
6	False Ceiling \ Iron 60x60 , 5 mm \ m ² \ U.A.E.	91.7	99.6	8.6 ▲

Source: Statistics Centre – Abu Dhabi

Paints

The 'Paints' group decreased 1.1% in 2015 compared with 2014. Figure (8) shows the increases and decreases in 2015. The decreases ranged between 0.1% and 8.5%.

Figure 8: Relative change in the average price of the paints group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

All items in the 'Paints' group decreased in 2015, by between 0.5% and 9.7% as shown in Table (10).

Table 10: Relative change in the average price of the paints group in 2015 compared with 2014

Serial	Paints	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	Paints \ Jolloflex Normal Emulsion \ Dram \ U.A.E.	62.9	62.6	-0.5	▼
2	Paints \ Durosan Matt Emulsion \ Gallon \ U.A.E.	46.8	49.2	5.1	▲
3	Mamorex Paint\ Fenomastic Plastic Emulsion\ Gallon\ U.A.E.	89.6	81.7	-8.9	▼
4	Mamorex Paint \ Bangalac Glos \ Gallon \ U.A.E.	61.7	68.8	11.4	▲
5	Mamorex Paint \ Heavy Tex with Arbl \ Dram\ U.A.E.	198.3	195.0	-1.7	▼
6	Mamorex Paint\ Heavy Tex w\o Marble Clips\ Dram\ U.A.E.	237.5	214.5	-9.7	▼

Source: Statistics Centre – Abu Dhabi

Glass

The 'Glass' group showed a slight decrease of 0.4% in 2015 compared with 2014. Table (11) shows the changes of the 'Glass' group items in 2014 and 2015.

Table 11: Relative change in the average price of the glass group in 2015 compared with 2014

Serial	Glass	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	Glass \ 4 mm \ m ² \ Saudi Arabia	47.0	46.8	-0.4	▼
2	Glass \ 6mm \ m ² \ Saudi Arabia	62.2	63.7	2.4	▲
3	Tinted Glass \ 6 mm \ m ² \ Saudi Arabia	72.3	74.1	2.6	▲
4	Mirror Glass \ 4 mm \ m ² \ Saudi Arabia	89.7	81.3	-9.4	▼
5	Mirror Glass \ 6 mm \ m ² \ Saudi Arabia	111.7	113.1	1.3	▲

Source: Statistics Centre – Abu Dhabi

Pipes

The annual average prices of '(PVC) Pipes' decreased by 6.5% in 2015 compared with 2014, while the annual average price of '(uPVC) Pipes' declined by 6.1% in 2015. All items in the 'PVC' and 'uPVC' groups decreased in 2015 compared with 2014.

Table 12: Relative change in the average price of the pipes group in 2015 compared with 2014

Serial	Pipes (PVC) Pipes	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	PVC Pipes \ 1/2 inch \ 6 m \ U.A.E.	8.6	7.8	-9.2	▼
2	PVC Pipes \ 3/4 inch \ 6 m \ U.A.E.	11.5	10.7	-6.7	▼
3	PVC Pipes \ 1 inch \ 6 m \ U.A.E.	15.7	15.2	-3.2	▼
4	PVC Pipes \ 1.5 inch \ 6 m \ U.A.E.	30.1	25.7	-14.7	▼
5	PVC Pipes \ 2 inch \ 6 m \ U.A.E.	39.3	38.0	-3.2	▼
6	PVC Pipes \ 2.5 inch \ 6 m \ U.A.E.	62.9	60.4	-3.9	▼
7	PVC Pipes \ 3 inch \ 6 m \ U.A.E.	86.2	81.6	-5.4	▼
(uPVC) Pipes					
1	uPVC Pipe \ 110mm \ PN-10 \ 6 m	66.8	62.6	-6.4	▼
2	uPVC Pipe \ 160 mm \ PN-10 \ 6m	143.0	134.4	-6.1	▼
3	uPVC Pipe \ 200 mm \ PN-10 \ 6m	221.1	208.7	-5.6	▼
4	uPVC Pipe \ 1500 mm \ PN-10 \ 6m	1,371.3	1,285.4	-6.3	▼

Source: Statistics Centre – Abu Dhabi

Wires

The 'Wires' group decreased in 2015 compared with 2014. The decrease came as a result of a decrease in the average prices of the following subgroups:

The 'Wires for apartment' subgroup decreased by 1.8%, while the decreases in the monthly average prices ranged between 0.8% and 3.1%.

The 'Wires for small building' subgroup decreased by 2.7%; the decreases in the monthly average prices ranged between 1.4% and 9.3%.

The 'Wires for residential towers' subgroup decreased by 8.8% in 2015; the decreases in the monthly average prices ranged between 2.0% and 15.3%.

Table 13: Relative change in the average price of the wires group in 2015 compared with 2014

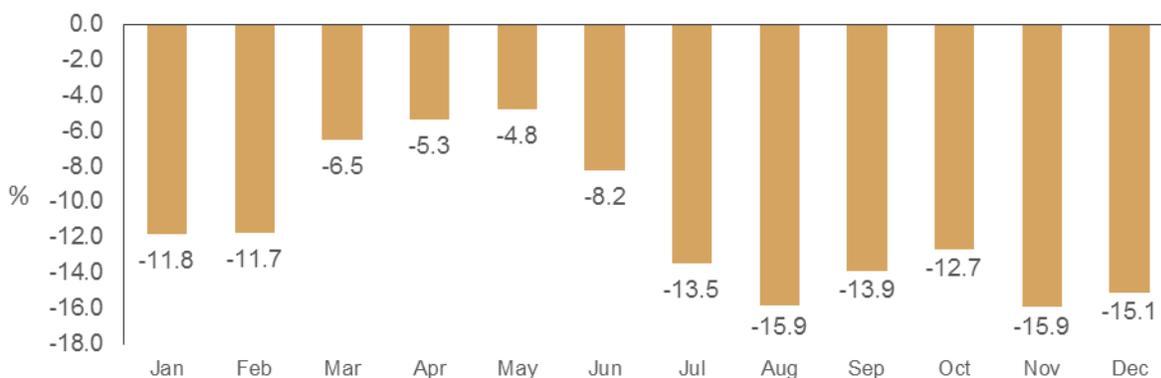
Serial	Wires	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
Wires for apartments					
1	Electrical Wire\ Sinjil CORPS\ 1.5 mm lap \ Ducab\ U.A.E.	54.2	53.0	-2.2	▼
2	Electrical Wire\ Sinjil CORPS\ 2.5 mm lap\ Ducab\ U.A.E.	83.5	82.1	-1.6	▼
3	Electrical Wire\ Sinjil CORPS\ 4 mm lap \ Ducab\ U.A.E.	133.1	130.5	-2.0	▼
4	Electrical Wire\ Sinjil CORPS\ 6 mm lap \ Ducab \ U.A.E.	196.7	193.8	-1.5	▼
Small Building					
1	Electrical Wire \ 4-Cours \ 10 m \ Ducab \ U.A.E.	24.3	24.1	-0.9	▼
2	Electrical Wire \ 4-Cours \ 16 m \ Ducab \ U.A.E.	30.6	30.7	0.3	▲
3	Electrical Wire \ 4-Cours \ 25 m \ Ducab \ U.A.E.	43.1	43.1	0.1	▲
4	Electrical Wire \ 4-Cours \ 35 m \ Ducab \ U.A.E.	56.2	58.3	3.8	▲
5	Electrical Wire \ 4-Cours \ 50 m \ Ducab \ U.A.E.	74.7	74.8	0.1	▲
6	Electrical Wire \ 4-Cours \ 70 m \ Ducab \ U.A.E.	104.7	107.0	2.2	▲
7	Electrical Wire \ 4-Cours \ 18 mm \ Oman	26.3	25.3	-4.1	▼
8	Electrical Wire \ 4 Corps \ 25 mm \ Oman	38.4	35.5	-7.5	▼
9	Electrical Wire \ 4-Cours \ 36 mm \ Oman	49.4	47.0	-4.9	▼
10	Electrical Wire \ 4-Cours \ 42 mm \ Oman	67.8	63.1	-7.0	▼
11	Electrical Wire \ 4-Cours \ 60 mm \ Oman	96.7	92.8	-4.0	▼
Residential Towers					
1	Electrical Wire \ 4-Cours \ 120 mm \ Oman	153.8	136.7	-11.1	▼
2	Electrical Wire \ 4-Cours \ 95 mm \ Oman	130.6	116.1	-11.1	▼
3	Electrical Wire \ 4-Cours \ 150 mm \ Oman	201.4	195.1	-3.1	▼
4	Electrical Wire \ 4-Cours \ 185 mm \ Oman	250.0	213.6	-14.6	▼
5	Electrical Wire \ 4-Cours \ 240 mm \ Oman	311.4	289.2	-7.1	▼

Source: Statistics Centre – Abu Dhabi

Power cable

The annual average prices of the 'Power cable' group decreased by 11.3% during 2015, while the decreases ranged between 4.8% and 15.9% during the months of 2015.

Figure 9: Relative change in the average price of the power cable group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Items of the 'Power cable' group decreased by 10.0% and 12.5% in 2015 compared with 2014.

Table 14: Relative change in the average price of the power cable group in 2015 compared with 2014

Serial	Power Cable	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	CU 11 KV \ 3*240 mm ² \ 1 km	312,233.3	273,090.0	-12.5	▼
2	CU 33 KV \ 3*240 mm ² \ 1 km	359,916.7	319,429.2	-11.2	▼
3	CU 132 KV \ 1*800 mm ² \ 1 km	602,135.8	541,867.5	-10.0	▼

Source: Statistics Centre – Abu Dhabi

Transport Equipment

The 'Transport equipment' group decreased by 0.5% in 2015 compared with 2014

Table 15: Relative change in the average price of the transport equipment group in 2015 compared with 2014

Serial	Transport Equipment	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %	
1	Truck Capacity of 30 m ³	20,625.0	20,500.0	-0.6	▼
2	Truck Capacity of 20 m ³	14,361.1	14,333.3	-0.2	▼
3	Water Tank Capacity of 5000 Gallons	13,000.0	13,000.0	0.0	—
4	Bulldozer D6	26,125.0	26,125.0	0.0	—
5	Bulldozer D8	33,388.9	33,333.3	-0.2	▼
6	Excavator Capacity of 330-290 Cubic Meters	26,666.7	26,055.6	-2.3	▼

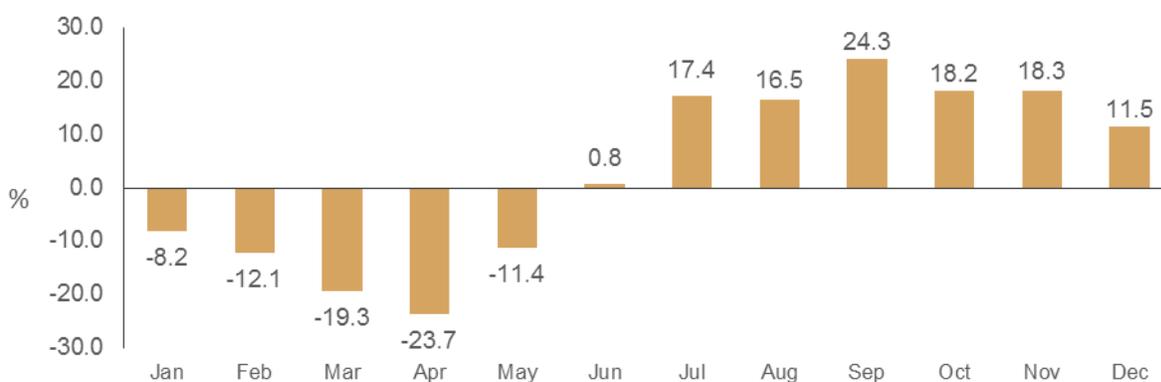
7	966 Loader	22,000.0	22,000.0	0.0	—
8	Asphalt Steel Roller	18,500.0	18,500.0	0.0	—
9	962 Loader	17,500.0	17,500.0	0.0	—
10	950 Loader	18,208.3	17,729.2	-2.6	▼
11	Cranes 20 Tons	26,000.0	26,000.0	0.0	—
12	Asphalt Finisher	12,000.0	12,000.0	0.0	—

Source: Statistics Centre – Abu Dhabi

Employment

The annual average wages of the 'Employment' group increased by 2.7% in 2015 compared with 2014, with the increases ranging between 0.8% in June and 24.3% in September, while decreases of 8.2% in January and 23.7% in April were also recorded.

Figure 10: Relative change in the average price of the employment group in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Items of the 'Employment' group showed varied increases during 2015 compared with 2014.

Table 16: Relative change in the average price of the employment group in 2015 compared with 2014

Serial	Employment \ with all services	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %
1	Helper \ Hourly rates	8.0	8.1	1.8 ▲
2	Semi - skilled \ Hourly rates	8.5	8.6	2.2 ▲
3	Carpenter \ Hourly rates	9.3	9.8	5.6 ▲
4	Steel Fixer \ Hourly rates	9.3	9.7	4.7 ▲
5	Electrician \ Hourly rates	15.0	15.3	2.2 ▲
6	Surveyor \ Hourly rates	24.5	22.8	-7.1 ▼
7	Driver \ Hourly rates	24.5	26.1	6.5 ▲

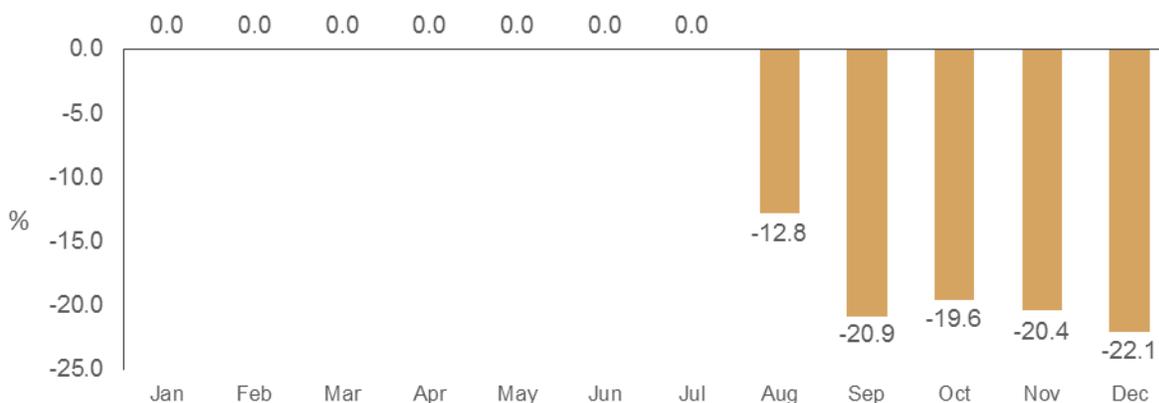
Source: Statistics Centre – Abu Dhabi

Note: The table presents the average hourly labor rate including food, accommodation, and transport and safety equipment

Diesel

The annual average prices of the 'Diesel' group decreased by 8.0% in 2015 compared with 2014, as a result of the deregulation of the price of diesel in August 2015.

Figure 11: Relative change in the average price of diesel in 2015 compared with 2014



Source: Statistics Centre – Abu Dhabi

Table 17: Relative change in the average price of diesel in 2015 compared with 2014

Serial	Employment \ with all services	Average prices of 2014 (AED)	Average prices of 2015 (AED)	Percentage Change %
1	Diesel \ ADNOC \ Litre	2.35	2.16	-8.0 ▼

Source: Statistics Centre – Abu Dhabi

Methodology

This section describes the current methodology for the Building Material Price (BMP) series, including:

1. Background of the collection;
2. Conceptual basis and scope;
3. Construction of the representative basket of items;
4. Data collection;
5. Validation and processing procedures;
6. Issues relating to particular groups;
7. Averaging and treatment of missing values; and
8. Potential sources of error.

1. Background

The collection and compilation of a price series for building materials was started in Abu Dhabi in 1988. The basket and the price sources were determined by technical staff at the time. In 1997, the basket was updated, and when SCAD took responsibility for the compilation of these prices in 2008, the basket was reviewed again.

SCAD continues to compile the monthly series, enabling the construction of quarterly and annual statistics for each item specified within a series of groups of items. The series is designed to reflect prices of building materials in the retail construction market in Abu Dhabi city.

Generally, the price data is collected weekly by enumerators. Prices are then subjected to validation and processing procedures to produce simple item-by-item monthly average prices.

2. Conceptual Basis

The conceptual basis for the BMP series is the monthly retail market prices of items in a representative 'basket' of building materials used in the construction industry in the city of Abu Dhabi. This means that the prices reflect the average retail prices of the items as they are sold in the city of Abu Dhabi each month. Retail prices are collected weekly and monthly for the items specified, and then averaged item-by-item to produce the monthly item prices in the series.

SCAD does not currently produce an overall index of price changes from the BMP series. However, price relatives can be constructed and temporal aggregates (i.e. simple geometric means of price relatives for individual items over time e.g. the twelve months of a year) can be derived from the relatives. These estimates should not be confused with a weighted index, or a cost of construction index.

This conceptual basis means that the BMP Series does not represent wholesale prices, and does not represent the costs of production.

Data representing wholesale prices might show different trends to those displayed by the BMP series, which represent retail data. Furthermore, prices are collected at the seller's gate. If there is no local seller, then the price from the seller in another region of Abu Dhabi Emirate is collected. Transport margins are not estimated in this series.

Series representing costs of production are also likely to show different trends. For example, if a commodity is over-supplied in the Abu Dhabi market in the short-term, a 'price' series (such as this) is likely to reflect a decrease in price as sellers compete for business by under-cutting competitors' prices. These are the prices applied for new purchases in the current period.

In comparison, a 'costs' series might show no decrease for the same time period because the builders' costs might remain fixed for that period (e.g. because of existing supply contracts). Costs reflect current prices only if purchases are made in the current period.

3. Construction of the Basket

Sources for item prices need to be selected to ensure the sample is representative of the conceptual basis and scope of the series i.e. building materials for sale in the retail construction market in the city of Abu Dhabi. This means the sources must be selected to represent the industry within a geographical region and by proportion of trade. When no thorough baseline survey has been conducted to evaluate the proportions of trade, price sources can be selected purposively by industry experts. The BMP series uses this purposive sample selection methodology to determine its price sources.

For some items there are only one or two sources for prices in the city of Abu Dhabi. For example, diesel prices are collected only from ADNOC. Other items are sold by several or many businesses. Industry experts provide advice on the selection of price sources when there is a range of options. A wider range of sources are selected for items that have displayed price volatility, or for items that are more regularly out of stock.

The price sources of each item remain confidential and the number of sources for each item is also confidential to ensure individual companies are not identified when only a small number sell particular items.

4. Data collection

Data collection must be consistent and therefore occurs broadly at the same point in time each month. The price data is collected using a variety of methods, depending on the item. For some groups of items prices are collected by an enumerator who visits or contacts each source to collect weekly or monthly

prices. For some items, prices can be collected by fax or e-mail. If no response is received, an enumerator will attempt to follow-up e.g. with a personal visit. Enumerators collect prices weekly or monthly. When items are not in stock, no price is recorded for that source for that reference period.

5. Validation and processing procedures

The process of validating prices is carried out in two stages:

The first stage involves checking by a prices statistician. The BMP series raw data are input into monthly spread sheets, which are coded with parameters that trigger automatic validation requests if price movement is detected outside defined ranges. The parameters are set individually for each item, according to 'usual' and 'unusual' price changes, determined by analysis of previous years' collections of data. When a validation request is triggered, an enumerator contacts the data source to check the input data and record a justification. When a price is not available from a particular source at weekly or monthly collection, the input cell is left blank. No imputation procedures are used.

The second stage involves a comparison between the current prices and the previous month's prices.

After prices are entered and checked, the average item prices are calculated, first on a monthly and then on an annual basis.

6. Issues relating to particular groups

The Employment group price series reflects the hourly rates of labour leased from construction labour hire companies in Abu Dhabi and Al Ain. Hourly rates for a representative series of labour categories are collected from a representative selection of source companies that hire out labour to construction companies. As a result the Employment price series reflects all fluctuations in current market prices. This means that when there is a short-term over-supply of labour in the market, the series will reflect any competitive price under-cutting between labour hire companies that could result in a price decrease.

The Transport Equipment group price series reflects the monthly rates of hiring construction equipment from equipment and machinery hire companies in Abu Dhabi and Al Ain. The cost of renting each specified item of equipment per month is collected monthly by enumerators from a representative sample of equipment hire companies which hire to the construction industry.

Prices for all other commodities are collected from a variety of source companies which supply the construction industry in Abu Dhabi and Al Ain. All the prices are for items that are sold in these two cities. The items may be imported from outside the Emirate, or produced locally.

7. Averaging, treatment of missing values and structural breaks

The growth rates reported in this publication were calculated as follows:

- Price relatives (i.e. the ratio of the price for each item in 2015 divided by the corresponding price in 2014) were formed.
- For each item, unweighted geometric means of the price relatives were calculated for the twelve months of 2015, providing an estimate of the annual change in price of that item for 2015.
- These geometric means for 2015 for each item in each group were then averaged across each group, providing an estimate of the annual change in price of that group of items in 2015.
- As well, geometric means of the relatives of items in each group were calculated for each month of 2015, providing estimates of the annual change, monthly, of prices for each group.
- To ensure that the monthly means and the item means were congruent, missing price values were imputed in 2014 and 2015 to form valid relatives, unless – see the explanation below – there were more than three missing price values. In that case, the entire item was removed from the calculation of means and annual changes.

Missing price values are shown in the main data tables for 2014 and 2015. For the purpose of estimating the annual changes in prices of items and groups of items, the following process was used for missing values. When an item had more than three months of missing values, it was eliminated from the analysis. When the item had three or fewer months of missing values, the missing values were imputed by using the last recorded price i.e. the price in the immediately preceding month. This is an assumption of no change in price for imputed missing values. As prices may rise or fall, there is no clear indication of likely bias.

All building material items with structural breaks in the data were eliminated from the averaging process. Structural breaks can occur for a number of reasons, such as changes in quantity specification or quality of an item.

8. Potential sources of error

While all care is taken in the compilation of official statistics, there remain a number of potential sources of error, as is the case with all statistical outputs. Some of these potential sources of error in the production of a price series are detailed below.

- The series is based on information from respondents. Accurate information can in some instances be difficult to obtain. SCAD's policy is not to impute when respondents are unable to provide prices.

- The series is based on a purposive sample of commodities, which have been selected to reflect the prices for the particular commodity or industry measured. Due to this purposive sampling methodology, sampling errors cannot be calculated.
- Non-sampling errors in the survey data may result from errors in the sample frame, respondent error, and mistakes made during processing of the survey results. SCAD adopts procedures to detect and minimize these types of errors, but they may still occur, and are not quantifiable.

9. Disclaimer

While all care and diligence has been taken with the compilation of these official statistics, for reasons such as those detailed above, SCAD gives no warranty that the information, data or statistics supplied are free of errors. SCAD shall not be liable for any loss or damage suffered by the user following the direct or indirect use of the statistics supplied in good faith by SCAD. Users of official statistics are responsible for determining when and how to use the statistics for specific purposes.

Statistical tables

Table (1): The relative changes in the monthly average of prices of building materials, each month in 2015 compared with that in 2014:

Serial No.	Commodity groups	Percentage change 2015 / 2014
1	Cement	0.3
2	Aggregates and sand	-1.0
3	Concrete	0.1
4	Steel	-15.7
5	Wood	1.2
6	Block	-0.4
7	Roofing materials	1.0
8	Waterproofing products	-17.0
9	Waterproofing bituminous membrane	n.a.
10	Natural stone	-1.1
11	Tiles and marble	5.9
12	Sanitary ware	
12.1	Bathroom set without accessories	1.0
12.2	Bathroom set with accessories	-1.2
12.3	Sink stainless steel with mixer-single	-0.5

13	False ceiling	6.5
14	Paints	-1.1
15	Glass	-0.4
16	Pipes	
16.1	(PVC) pipes	-6.5
16.2	(uPVC) pipes	-6.1
17	Wires	
17.1	Small building	-2.7
17.2	Apartments	-1.8
17.3	Residential towers	-8.8
18	Power cable	-11.3
19	Transport equipment	-0.5
20	Employment	2.7
21	Diesel	-8.0

(n.a.): means not available

Source: Statistics Centre – Abu Dhabi

Table (2): Monthly prices of building materials items 2014, (AED)

Table (3): Monthly prices of building materials items 2015, (AED)

إحصاءاتنا تقدم حلولاً وتقدمنا
Our Statistics Provide Solutions @ Development

www.scad.ae

