

CONSTRUCTION PRICE INDEX

(Input Cost Index for the construction of a single storey house)

2nd Quarter 2013

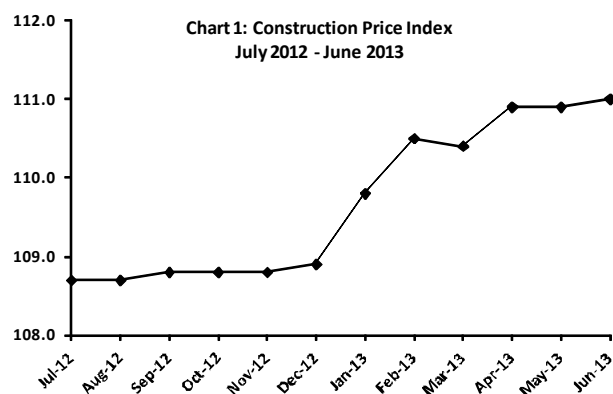
1. Introduction

This issue of the Economic and Social Indicators presents the monthly Construction Price Index (residential) for the second quarter of 2013 with second quarter 2009 as base period. Figures showing the evolution of the index during the past twelve months are also included.

The methodology used for compiling the index is given in the annexed technical notes. Figures have been rounded to one or two decimal places although they have been calculated to many decimal places.

2. Evolution of the Construction Price Index (July 2012 to June 2013)

Chart 1 shows the movement of the Construction Price Index from July 2012 to June 2013, with the second quarter of 2009 as base. The index which stood at 108.7 in July remained unchanged in August 2012 and increased to 108.8 in September 2012 mainly due to higher prices of paint and timber carpentry partly offset by lower prices of steel bars. The index remained at 108.8 up to November 2012. In December 2012, it rose to 108.9 due to increases in the prices of ceramic tiles. The index increased to 109.8 in January 2013 mainly as a result of higher wages and to 110.5 in February 2013 mostly due to increases in the prices of cement followed by a slight decrease to 110.4 in March 2013. In April 2013, the index rose to 110.9, remained at the same level in May 2013 and increased to 111.0 in June 2013.



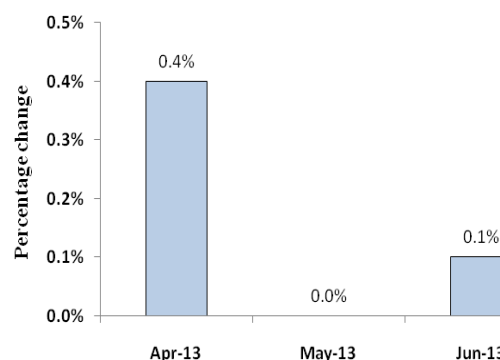
3. Changes in the Construction Price Index (April to June 2013)

The Construction Price Index, which stood at 110.4 at the end of March 2013, increased by 0.4% to reach 110.9 in April 2013 mainly due to increases in the prices of the following: hire of plants (0.8%), block (2.8%), aggregate (2.9%), sand (1.7%), hardcore (2.4%) and cement (0.1%) partly offset by decreases in the prices of steel bars (-0.1%) and adhesive (-0.3%).

In May 2013, no significant change was registered in the index.

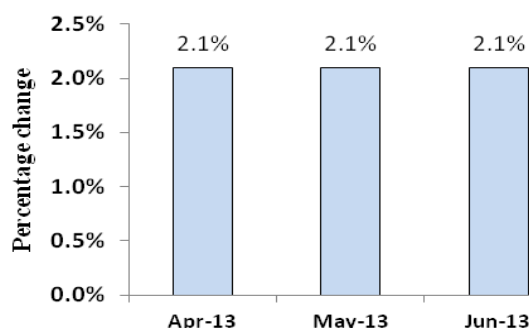
The index increased to 111.0 in June 2013 as a result of higher prices of timber carpentry (0.7%) and ceramic tiles (3.5%).

Chart 2: Percentage change from previous month



Compared to the corresponding months of the previous year, the overall indices show the same increase of 2.1% for April, May and June 2013 (Table 1.3).

Chart 3: Percentage change from corresponding month of previous year



4. Changes by Input Categories

Changes by input categories are shown in Tables 1.1 to 1.5.

During the second quarter of 2013 no change was registered in the “Labour” and “Transport” sub-indices.

The “Hire of Plant” sub-index increased by 0.8% from 105.0 in March 2013 to 105.8 in April 2013 following an increase in the rates for the hire of cornice, it remained unchanged up to June 2013.

The “Materials” sub-index increased from 110.8 in March 2013 to 111.6 in April 2013 mainly as a result of higher prices for block (2.8%), aggregate (2.9%), sand (1.7%), hardcore (2.4%) and cement (0.1%) partly offset by decreases in the prices of steel bars (-0.1%) and adhesive (-0.3%).

The sub-index stood at the same level in May 2013.

In June 2013 the sub-index increased to 111.7 following increases of 0.7% in the prices of timber carpentry and 3.5% in the prices of ceramic tiles.

The net monthly contributions of the input categories to the index during the period July 2012 to June 2013 are shown in Table 1.4.

Quarterly averages of the monthly indices by input category and the percentage change from quarter to quarter are shown in Table 1.5.

5. Changes by Work Category

Changes by work category are shown in Tables 2.1 to 2.5.

During the month of April 2013, the work categories which mainly affected the overall index were as follows: “Concrete” work category increased by (0.7%) due to increases in the prices of cement (0.1%), sand (1.7%) and aggregate (2.9%); “Blockwork” work category increased by 1.8% as a result of higher prices of cement, sand and block (2.8%); “Earth work” work category increased by 1.4% following a rise of 2.4% in the prices of hardcore; “Formwork” work category increased by 0.4% mainly due to higher rates for the hire of cornice (0.8%); “Rendering to wall/ceiling” and the “Bed & screed to floor/roof” work categories both rose by 0.2% following increases in the prices of sand and cement and “Tiling” work category registered an increase of 1.7% mainly as a result of increases in the prices of ceramic tiles (3.5%) and cement. On the other hand, the “Reinforcement” work category decreased by 0.1% as a result of a drop of 0.1% in the prices of steel bars.

In May 2013, all work categories remained unchanged as a result of no significant change in the prices of all inputs.

In June 2013, the “Formwork” work category registered an increase of 0.3% due to the increase of 0.7% in the prices of timber carpentry and the “Tiling” work category increased by 1.7% following a rise of 3.5% in the prices of ceramic tiles.

Table 2.4 shows the net monthly contributions of the work categories to the index since July 2012.

Quarterly averages of the monthly indices by work category and the percentage changes from quarter to quarter are shown in Table 2.5.

6. Past Trends

Table 3.1 summarises the monthly indices, the quarterly and yearly averages as well as the percentage changes in the yearly average since 2002. The base period for the calculation of the index from 2002 up to first quarter 2009 is the fourth quarter of 2001. As from April 2009 the base period used is the second quarter of 2009.

The series are not strictly comparable because of different base periods. However, for some particular purposes, comparison between the series may be necessary. A chain linked series with base period second quarter 2009 has been worked out and is given in Table 3.2.

Statistics Mauritius
Ministry of Finance and Economic Development
Port Louis
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Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009 = 100)

Table 1.1: Monthly sub-indices by input category, July 2012 to June 2013

Input Categories	Weight	2012						2013					
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LABOUR	28.2	107.3	107.3	107.3	107.3	107.3	107.3	110.2	110.2	110.2	110.2	110.2	110.2
HIRE OF PLANT	3.3	103.4	103.4	103.4	103.4	103.4	103.4	105.0	105.0	105.0	105.8	105.8	105.8
MATERIALS :	64.2	109.6	109.6	109.7	109.7	109.8	109.8	109.9	111.0	110.8	111.6	111.6	111.7
Hardcore (remplissage)	1.8	115.4	115.4	115.4	115.4	115.9	115.9	115.9	115.9	115.9	118.7	118.7	118.7
Cement	12.7	110.4	110.4	110.4	110.1	110.1	110.1	110.1	116.9	116.9	117.1	117.1	117.1
Sand	4.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	121.3	121.3	121.3
Aggregate	3.4	117.0	117.0	117.0	117.0	117.3	117.3	117.3	117.3	117.3	120.7	120.7	120.7
Block	5.2	114.1	114.1	114.1	114.1	114.3	114.3	114.3	114.3	114.3	117.5	117.5	117.5
Steel bars (armature)	10.6	108.4	108.5	108.4	108.0	108.0	108.0	107.9	106.1	105.2	105.0	105.0	105.0
Galvanised corrugated cast iron sheeting	0.6	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
Timber: (a) Carpentry	3.9	104.4	103.9	104.8	104.8	104.8	104.8	106.0	106.0	106.0	106.0	106.0	106.8
(b) Joinery	1.6	108.7	108.8	109.0	109.0	109.6	109.6	110.1	110.4	110.4	111.4	111.4	111.4
Aluminium openings	4.1	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9
Metal openings	2.7	107.8	107.8	107.9	107.9	108.7	108.7	107.9	108.3	108.3	108.3	108.3	108.3
Ceramic tiles	0.8	102.4	102.4	102.4	102.4	101.5	104.0	104.0	104.9	105.6	106.9	106.9	110.7
Adhesive	1.7	104.1	104.1	104.1	104.1	104.1	104.1	104.1	105.0	105.0	104.7	104.7	104.7
Paint	2.5	111.3	111.3	114.3	115.6	116.7	116.7	116.7	116.8	116.8	116.8	116.8	116.8
Plumbing	1.5	103.4	103.4	103.4	103.4	103.6	103.6	103.6	103.6	103.8	104.1	104.1	104.1
Sanitary installation	2.2	104.1	104.1	104.1	104.5	104.4	104.5	104.5	104.1	104.1	104.7	104.7	104.6
Electrical installation	4.7	110.1	110.1	110.1	110.1	110.3	110.3	110.3	110.3	110.2	110.2	110.2	110.2
TRANSPORT	4.3	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1
Total	100.0	108.7	108.7	108.8	108.8	108.8	108.9	109.8	110.5	110.4	110.9	110.9	111.0

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009 = 100)

Table 1.2: Percentage change from previous month by input category, July 2012 to June 2013

Input Categories	Weight	2012						2013					
		Jul 12	Aug 12	Sep 12	Oct 12	Nov 12	Dec 12	Jan 13	Feb 13	Mar 13	Apr 13	May 13	Jun 13
LABOUR	28.2	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0
HIRE OF PLANT	3.3	0.6	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.8	0.0	0.0
MATERIALS :	64.2	0.1	0.0	0.1	-0.1	0.1	0.0	0.0	1.0	-0.1	0.7	0.0	0.1
Hardcore (remplissage)	1.8	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	2.4	0.0	0.0
Cement	12.7	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	6.2	0.0	0.1	0.0	0.0
Sand	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
Aggregate	3.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	2.9	0.0	0.0
Block	5.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	2.8	0.0	0.0
Steel bars (armature)	10.6	0.0	0.0	-0.1	-0.3	0.0	0.0	-0.1	-1.7	-0.9	-0.1	0.0	0.0
Galvanised corrugated cast iron sheeting	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Timber: (a) Carpentry	3.9	0.3	-0.5	0.9	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.7
(b) Joinery	1.6	0.2	0.1	0.1	0.0	0.6	0.0	0.4	0.3	0.0	0.9	0.0	0.0
Aluminium openings	4.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metal openings	2.7	0.0	0.0	0.1	0.0	0.7	0.0	-0.7	0.4	0.0	0.0	0.0	0.0
Ceramic tiles	0.8	0.0	0.0	0.0	0.0	-0.9	2.5	0.0	0.9	0.7	1.2	0.0	3.5
Adhesive	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	-0.3	0.0	0.0
Paint	2.5	0.0	0.0	2.6	1.2	0.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Plumbing	1.5	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0
Sanitary installation	2.2	0.0	0.0	0.0	0.3	0.0	0.1	0.0	-0.4	0.0	0.5	0.0	0.0
Electrical installation	4.7	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TRANSPORT	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	100.0	0.1	0.0	0.1	0.0	0.1	0.0	0.8	0.6	-0.1	0.4	0.0	0.1

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009 = 100)

Table 1.3: Percentage change from corresponding month of previous year by input category, July 2012 to June 2013

Input Categories	Weight	2012						2013					
		Jul 12	Aug 12	Sep 12	Oct 12	Nov 12	Dec 12	Jan 13	Feb 13	Mar 13	Apr 13	May 13	Jun 13
LABOUR	28.2	3.8	3.8	3.8	3.8	3.8	3.8	2.8	2.8	2.8	2.8	2.8	2.8
HIRE OF PLANT	3.3	2.0	2.0	1.7	2.4	2.4	2.4	3.3	3.3	3.3	3.0	3.0	3.0
MATERIALS :	64.2	4.7	3.7	3.5	3.2	3.3	3.2	3.1	4.0	3.8	1.9	2.0	2.0
Hardcore (remplissage)	1.8	-0.7	-0.7	-0.7	-0.7	-0.2	-0.2	-0.2	-0.2	-0.2	2.8	2.8	2.8
Cement	12.7	21.1	17.1	16.7	16.4	15.9	15.1	13.8	20.3	20.3	6.4	6.0	6.0
Sand	4.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	1.7	1.7	1.7
Aggregate	3.4	-0.3	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
Block	5.2	4.8	4.6	3.9	3.9	4.1	4.1	4.1	4.1	3.6	3.0	3.0	3.0
Steel bars (armature)	10.6	2.3	1.4	0.4	-1.6	-1.7	-1.4	-1.1	-3.3	-4.1	-3.9	-3.1	-3.1
Galvanised corrugated cast iron sheeting	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.0	0.0	0.0	0.0	0.0	0.0
Timber: (a) Carpentry	3.9	-0.1	-0.8	0.3	0.1	0.1	0.1	1.1	1.9	1.9	1.9	1.9	2.6
(b) Joinery	1.6	5.5	2.0	2.1	1.9	2.6	2.1	1.3	1.7	1.8	2.7	2.7	2.7
Aluminium openings	4.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Metal openings	2.7	0.2	0.1	0.2	0.2	0.9	0.9	0.1	0.5	0.5	0.6	0.5	0.5
Ceramic tiles	0.8	3.3	3.3	1.9	3.3	5.4	8.0	8.0	5.9	4.9	6.2	6.2	8.0
Adhesive	1.7	2.4	0.6	0.6	0.5	0.5	0.5	0.5	1.4	1.4	0.6	0.6	0.6
Paint	2.5	0.0	0.0	2.7	3.9	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9
Plumbing	1.5	1.4	1.4	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.7	0.6	0.6
Sanitary installation	2.2	1.3	0.0	0.0	0.3	0.2	0.6	0.6	0.1	0.1	0.6	0.6	0.5
Electrical installation	4.7	-0.3	-0.3	-0.4	-0.4	-0.3	-0.3	-0.1	0.8	0.8	0.7	0.7	0.1
TRANSPORT	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	100.0	4.2	3.5	3.4	3.2	3.3	3.2	2.9	3.5	3.4	2.1	2.1	2.1

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009 = 100)

Table 1.4: Net monthly contributions of input categories to the index, July 2012 to June 2013

Input Categories	Weight	2012						2013					
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LABOUR	28.2	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00	0.00
HIRE OF PLANT	3.3	0.02	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.03	0.00	0.00
MATERIALS :	64.2	0.05	-0.01	0.10	-0.04	0.09	0.02	0.03	0.71	-0.09	0.46	0.00	0.06
Hardcore (remplissage)	1.8	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.00	0.00
Cement	12.7	0.00	0.00	0.00	-0.04	0.00	0.00	0.00	0.87	0.00	0.02	0.00	0.00
Sand	4.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
Aggregate	3.4	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.12	0.00	0.00
Block	5.2	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.16	0.00	0.00
Steel bars (armature)	10.6	0.00	0.00	-0.01	-0.04	0.00	0.00	-0.01	-0.19	-0.10	-0.01	0.00	0.00
Galvanised corrugated cast iron sheeting	0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Timber: (a) Carpentry	3.9	0.01	-0.02	0.04	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.03
(b) Joinery	1.6	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.02	0.00	0.00
Aluminium openings	4.1	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metal openings	2.7	0.00	0.00	0.00	0.00	0.02	0.00	-0.02	0.01	0.00	0.00	0.00	0.00
Ceramic tiles	0.8	0.00	0.00	0.00	0.00	-0.01	0.02	0.00	0.01	0.01	0.01	0.00	0.03
Adhesive	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	-0.01	0.00	0.00
Paint	2.5	0.00	0.00	0.07	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plumbing	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sanitary installation	2.2	0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00
Electrical installation	4.7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRANSPORT	4.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	100.0	0.08	-0.01	0.10	-0.04	0.09	0.02	0.92	0.71	-0.09	0.49	0.00	0.06

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009= 100)

Table 1.5: Quarterly average of monthly indices and percentage changes by input category, 3rd Quarter 2012 to 2nd quarter 2013

Input Categories	Weight	2013		% change from previous quarter			
		1st Qr	2nd Qr	3rd Qr 2012	4th Qr 2012	1st Qr 2013	2nd Qr 2013
LABOUR	28.2	110.2	110.2	0.0	0.0	2.8	0.0
HIRE OF PLANT	3.3	105.0	105.8	0.6	0.0	1.6	0.8
MATERIALS :	64.2	110.6	111.6	0.1	0.1	0.7	0.9
Hardcore (remplissage)	1.8	115.9	118.7	0.0	0.3	0.2	2.4
Cement	12.7	114.6	117.1	0.1	-0.3	4.1	2.1
Sand	4.2	119.2	121.3	0.0	0.0	0.0	1.7
Aggregate	3.4	117.3	120.7	0.0	0.2	0.1	2.9
Block	5.2	114.3	117.5	0.0	0.2	0.1	2.8
Steel bars (armature)	10.6	106.4	105.0	-0.3	-0.4	-1.5	-1.3
Galvanised corrugated cast iron sheeting	0.6	101.5	101.5	0.0	0.0	0.0	0.0
Timber: (a) Carpentry	3.9	106.0	106.3	0.3	0.4	1.1	0.2
(b) Joinery	1.6	110.3	111.4	0.3	0.5	0.8	1.0
Aluminium openings	4.1	100.9	100.9	0.9	0.0	0.0	0.0
Metal openings	2.7	108.2	108.3	0.1	0.6	-0.2	0.1
Ceramic tiles	0.8	104.9	108.2	1.1	0.2	2.1	3.1
Adhesive	1.7	104.7	104.7	0.0	0.0	0.6	0.0
Paint	2.5	116.8	116.8	0.9	3.6	0.4	0.1
Plumbing	1.5	103.7	104.1	0.0	0.1	0.1	0.4
Sanitary installation	2.2	104.3	104.6	0.1	0.3	-0.2	0.4
Electrical installation	4.7	110.3	110.2	0.4	0.1	0.0	0.0
TRANSPORT	4.3	109.1	109.1	0.0	0.0	0.0	0.0
Total	100.0	110.2	110.9	0.1	0.1	1.3	0.6

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009 = 100)

Table 2.1: Monthly sub-indices by work category, July 2012 to June 2013

Work Categories	Weight	2012						2013					
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1. Setting up	1.5	106.9	106.9	106.9	106.9	106.9	106.9	108.4	108.8	108.8	109.0	109.0	109.0
2. Setting out	0.5	117.2	117.4	117.4	117.4	117.4	117.4	122.5	122.5	122.5	122.5	122.5	122.5
3. Earthworks	3.3	110.7	110.7	110.7	110.7	111.0	111.0	111.6	111.6	111.6	113.1	113.1	113.1
4. Concrete	21.3	110.9	110.9	110.9	110.8	110.8	110.8	111.5	114.2	114.2	115.0	115.0	115.0
5. Reinforcement	14.6	108.2	108.2	108.1	107.9	107.8	107.8	108.6	107.3	106.6	106.5	106.5	106.5
6. Formwork (coffrage)	8.5	104.5	104.3	104.7	104.7	104.8	104.8	106.4	106.4	106.4	106.8	106.8	107.2
7. Blockwork	8.7	112.1	112.1	112.1	112.1	112.2	112.2	112.6	113.5	113.5	115.5	115.5	115.5
8. Softwood joinery	1.5	109.8	109.8	109.9	110.1	110.5	110.5	112.0	112.1	112.1	112.6	112.6	112.6
9. Aluminium doors and openings	6.0	102.8	102.8	102.8	102.8	102.8	102.8	103.6	103.6	103.6	103.6	103.6	103.6
10. Metal openings	4.1	107.9	107.9	108.0	108.1	108.7	108.7	108.9	109.2	109.2	109.3	109.3	109.3
11. Rendering to wall/ceiling (crepissage)	10.4	109.5	109.5	109.5	109.4	109.4	109.4	111.3	112.6	112.6	112.8	112.8	112.8
12. Bed & screed to floor/roof	3.8	110.8	110.8	110.8	110.7	110.7	110.7	111.8	113.9	113.9	114.1	114.1	114.1
13. Tiling	1.6	104.6	104.6	104.6	104.7	104.3	105.5	106.4	107.2	107.5	108.2	108.2	110.1
14. Painting	3.2	109.5	109.5	111.7	112.5	113.2	113.2	114.0	114.1	114.1	114.1	114.1	114.1
15. Plumbing and Drainage	5.0	104.7	104.7	104.7	104.9	104.9	104.9	105.6	105.4	105.5	105.8	105.8	105.8
16. Electrical installation	6.0	109.4	109.4	109.4	109.4	109.6	109.6	110.2	110.2	110.2	110.2	110.2	110.2
Total	100.0	108.7	108.7	108.8	108.8	108.8	108.9	109.8	110.5	110.4	110.9	110.9	111.0

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009 = 100)

Table 2.2: Percentage change from previous month by work category, July 2012 to June 2013

Work Categories	Weight	2012						2013					
		Jul 12	Aug 12	Sep 12	Oct 12	Nov 12	Dec 12	Jan 13	Feb 13	Mar 13	Apr 13	May 13	Jun 13
1. Setting up	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.3	0.0	0.3	0.0	0.0
2. Setting out	0.5	0.1	0.2	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0
3. Earthworks	3.3	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.0	0.0	1.4	0.0	0.0
4. Concrete	21.3	0.0	0.0	0.0	-0.1	0.0	0.0	0.7	2.4	0.0	0.7	0.0	0.0
5. Reinforcement	14.6	0.0	0.0	-0.1	-0.2	0.0	0.0	0.7	-1.2	-0.7	-0.1	0.0	0.0
6. Formwork (coffrage)	8.5	0.4	-0.2	0.4	0.0	0.1	0.0	1.5	0.0	0.0	0.4	0.0	0.3
7. Blockwork	8.7	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.8	0.0	1.8	0.0	0.0
8. Softwood joinery	1.5	0.1	0.0	0.1	0.1	0.4	0.0	1.3	0.1	0.0	0.4	0.0	0.0
9. Aluminium doors and openings	6.0	0.6	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
10. Metal openings	4.1	0.0	0.0	0.1	0.1	0.5	0.0	0.3	0.3	0.0	0.0	0.0	0.0
11. Rendering to wall/ceiling (crepissage)	10.4	0.0	0.0	0.0	-0.1	0.0	0.0	1.7	1.2	0.0	0.2	0.0	0.0
12. Bed & screed to floor/roof	3.8	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	1.9	0.0	0.2	0.0	0.0
13. Tiling	1.6	0.0	0.0	0.0	0.1	-0.4	1.2	0.8	0.7	0.3	0.6	0.0	1.7
14. Painting	3.2	0.0	0.0	2.0	0.8	0.6	0.0	0.7	0.1	0.0	0.0	0.0	0.0
15. Plumbing and Drainage	5.0	0.0	0.0	0.0	0.1	0.0	0.0	0.6	-0.2	0.0	0.3	0.0	0.0
16. Electrical installation	6.0	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Total	100.0	0.1	0.0	0.1	0.0	0.1	0.0	0.8	0.6	-0.1	0.4	0.0	0.1

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009 = 100)

Table 2.3: Percentage change from corresponding month of previous year by work category, July 2012 to June 2013

Work Categories	Weight	2012						2013					
		Jul 12	Aug 12	Sep 12	Oct 12	Nov 12	Dec 12	Jan 13	Feb 13	Mar 13	Apr 13	May 13	Jun 13
1. Setting up	1.5	1.3	1.0	1.1	1.1	1.1	1.1	2.1	2.5	2.5	2.0	2.0	2.0
2. Setting out	0.5	4.4	2.2	2.2	2.1	2.1	1.9	4.6	4.7	4.7	4.7	4.7	4.7
3. Earthworks	3.3	-0.4	-0.4	-0.4	0.3	0.5	0.5	0.4	0.4	0.4	2.1	2.1	2.1
4. Concrete	21.3	8.2	7.0	6.8	6.7	6.6	6.3	5.6	8.0	8.0	3.9	3.7	3.7
5. Reinforcement	14.6	2.7	2.0	1.3	-0.2	-0.2	-0.1	-0.1	-1.7	-2.2	-2.1	-1.5	-1.5
6. Formwork (coffrage)	8.5	2.1	1.7	2.1	2.0	2.1	2.0	2.2	2.6	2.6	2.6	2.6	3.0
7. Blockwork	8.7	5.8	5.2	4.7	4.7	4.8	4.7	4.4	5.2	4.9	3.1	3.0	3.0
8. Softwood joinery	1.5	5.2	2.7	2.8	2.9	3.3	3.2	1.9	2.2	2.2	2.6	2.6	2.6
9. Aluminium doors and openings	6.0	1.7	1.7	1.7	1.7	1.7	1.7	1.4	1.4	1.4	1.4	1.4	1.4
10. Metal openings	4.1	1.2	1.1	1.2	1.2	1.8	1.8	1.0	1.3	1.2	1.3	1.3	1.3
11. Rendering to wall/ceiling (crepissage)	10.4	6.0	5.2	5.2	5.1	5.0	4.9	4.0	5.2	5.2	3.1	3.0	3.0
12. Bed & screed to floor/roof	3.8	7.4	6.2	6.1	6.0	5.9	5.7	4.9	6.8	6.8	3.1	3.0	3.0
13. Tiling	1.6	3.8	3.4	2.7	3.4	4.4	5.6	5.2	4.6	4.1	4.3	4.2	5.2
14. Painting	3.2	1.0	1.0	3.0	3.8	4.4	4.4	4.1	4.1	4.1	4.2	4.2	4.1
15. Plumbing and Drainage	5.0	1.8	1.2	1.0	1.1	1.1	1.3	1.1	0.9	0.9	1.1	1.1	1.0
16. Electrical installation	6.0	0.5	0.5	0.4	0.4	0.6	0.5	0.5	1.2	1.2	1.2	1.2	0.7
Total	100.0	4.2	3.5	3.4	3.2	3.3	3.2	2.9	3.5	3.4	2.1	2.1	2.1

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009 = 100)

Table 2.4: Net monthly contributions of work categories to the index, July 2012 to June 2013

Work Categories	Weight	2012						2013					
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1. Setting up	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00
2. Setting out	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
3. Earthworks	3.3	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.05	0.00	0.00
4. Concrete	21.3	0.00	0.00	0.00	-0.03	0.01	0.00	0.15	0.57	0.00	0.17	0.00	0.00
5. Reinforcement	14.6	0.00	0.00	-0.01	-0.04	0.00	0.00	0.11	-0.19	-0.10	-0.01	0.00	0.00
6. Formwork (coffrage)	8.5	0.04	-0.02	0.04	0.00	0.01	0.00	0.13	0.00	0.00	0.04	0.00	0.03
7. Blockwork	8.7	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.08	0.00	0.17	0.00	0.00
8. Softwood joinery	1.5	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.01	0.00	0.00
9. Aluminium doors and openings	6.0	0.04	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
10. Metal openings	4.1	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00
11. Rendering to wall/ceiling (crepissage)	10.4	0.00	0.00	0.00	-0.01	0.00	0.00	0.19	0.14	0.00	0.02	0.00	0.00
12. Bed & screed to floor/roof	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.00	0.01	0.00	0.00
13. Tiling	1.7	0.00	0.00	0.00	0.00	-0.01	0.02	0.02	0.01	0.01	0.01	0.00	0.03
14. Painting	3.2	0.00	0.00	0.07	0.03	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00
15. Plumbing and Drainage	5.0	0.00	0.00	0.00	0.01	0.00	0.00	0.03	-0.01	0.00	0.02	0.00	0.00
16. Electrical installation	6.0	0.00	0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00
Total	100.0	0.08	-0.01	0.10	-0.04	0.09	0.02	0.92	0.71	-0.09	0.49	0.00	0.06

Input Cost Index for the construction of a single storey house

(Base: 2nd Quarter 2009= 100)

Table 2.5 Quarterly average of monthly indices and percentage changes by work category, 3rd Quarter 2012 to 2nd quarter 2013

Work Categories	Weight	2013		% change from previous quarter			
		1st Qr	2nd Qr	3rd Qr 2012	4th Qr 2012	1st Qr 2013	2nd Qr 2013
1. Setting up	1.5	108.6	109.0	0.0	0.0	1.6	0.4
2. Setting out	0.5	122.5	122.5	0.3	0.1	4.3	0.0
3. Earthworks	3.3	111.6	113.1	0.0	0.2	0.6	1.4
4. Concrete	21.3	113.3	115.0	0.0	-0.1	2.3	1.5
5. Reinforcement	14.6	107.5	106.5	-0.2	-0.3	-0.3	-0.9
6. Formwork (coffrage)	8.5	106.4	106.9	0.4	0.3	1.5	0.5
7. Blockwork	8.7	113.2	115.5	0.0	0.1	0.9	2.0
8. Softwood joinery	1.5	112.0	112.6	0.2	0.5	1.5	0.5
9. Aluminium doors and openings	6.0	103.6	103.6	0.6	0.0	0.8	0.0
10. Metal openings	4.1	109.1	109.3	0.0	0.5	0.6	0.1
11. Rendering to wall/ceiling (crepissage)	10.4	112.2	112.8	0.0	-0.1	2.5	0.6
12. Bed & screed to floor/roof	3.8	113.2	114.1	0.0	-0.1	2.3	0.8
13. Tiling	1.7	107.0	108.8	0.6	0.2	2.1	1.7
14. Painting	3.2	114.0	114.1	0.7	2.5	0.9	0.0
15. Plumbing and Drainage	5.0	105.5	105.8	0.0	0.2	0.6	0.3
16. Electrical installation	6.0	110.2	110.2	0.3	0.1	0.6	0.0
Total	100.0	110.2	110.9	0.1	0.1	1.3	0.6

Table 3.1: Construction Price Index - January 2002 to June 2013

	<i>(Base: 4th Quarter 2001 = 100)</i>								<i>(Base: 2nd Quarter 2009 = 100)</i>				
	2002	2003	2004	2005	2006	2007	2008	2009	2009	2010	2011	2012	2013
January	100.3	105.8	109.5	118.7	126.7	140.7	159.0	166.0	100.3	102.8	106.7	109.8	
February	100.5	106.8	112.2	122.5	127.3	140.7	159.0	166.0	100.3	104.1	106.8	110.5	
March	100.6	107.0	112.3	122.5	127.3	141.2	157.9	163.5	98.8	104.5	106.8	110.4	
<i>1st Quarter</i>	<i>100.5</i>	<i>106.5</i>	<i>111.3</i>	<i>121.3</i>	<i>127.1</i>	<i>140.9</i>	<i>158.7</i>	<i>165.2</i>	<i>99.8</i>	<i>103.8</i>	<i>106.8</i>	<i>110.2</i>	
April	100.7	107.1	112.3	122.5	127.9	144.1	157.9		100.2	98.8	104.5	108.6	110.9
May	101.5	107.1	112.3	122.7	127.9	144.3	157.9		100.0	100.2	104.4	108.6	110.9
June	101.5	107.1	115.5	122.7	129.9	147.4	161.2		99.8	100.4	104.4	108.6	111.0
<i>2nd Quarter</i>	<i>101.3</i>	<i>107.1</i>	<i>113.4</i>	<i>122.6</i>	<i>128.6</i>	<i>145.2</i>	<i>159.0</i>		<i>100.0</i>	<i>99.8</i>	<i>104.4</i>	<i>108.6</i>	<i>110.9</i>
July	105.4	108.1	116.4	124.6	134.4	150.5	165.2		100.6	100.9	104.3	108.7	
August	105.4	108.6	116.4	124.6	135.1	151.3	167.5		100.2	100.8	105	108.7	
September	105.4	109.4	117.0	124.6	135.1	151.6	169.2		100.2	100.8	105.2	108.8	
<i>3rd Quarter</i>	<i>105.4</i>	<i>108.7</i>	<i>116.6</i>	<i>124.6</i>	<i>134.9</i>	<i>151.1</i>	<i>167.3</i>		<i>100.3</i>	<i>100.9</i>	<i>104.8</i>	<i>108.7</i>	
October	105.2	109.4	117.3	125.3	135.1	152.9	170.0		100.3	101.4	105.4	108.8	
November	105.3	109.5	117.8	126.1	136.9	151.1	168.7		100.3	101.6	105.4	108.8	
December	105.3	109.5	118.4	126.1	137.1	151.4	167.2		100.3	101.7	105.5	108.9	
<i>4th Quarter</i>	<i>105.3</i>	<i>109.5</i>	<i>117.8</i>	<i>125.8</i>	<i>136.4</i>	<i>151.8</i>	<i>168.6</i>		<i>100.3</i>	<i>101.6</i>	<i>105.4</i>	<i>108.8</i>	
Yearly average	103.1	107.9	114.8	123.6	131.8	147.2	163.4			100.5	104.6	108.2	
% change in the yearly average	4.6	4.7	6.3	7.7	6.6	11.8	11.0		0.1	-0.1	4.1	3.5	

Table 3.2: Construction Price Index - January 2002 to June 2013 (base period 2nd Qtr 2009=100)

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
January	61.7	65.0	67.3	73.0	77.9	86.5	97.8	102.1	100.3	102.8	106.7	109.8
February	61.8	65.7	69.0	75.3	78.3	86.5	97.8	102.1	100.3	104.1	106.8	110.5
March	61.9	65.8	69.1	75.3	78.3	86.8	97.1	100.6	98.8	104.5	106.8	110.4
<i>1st Quarter</i>	<i>61.8</i>	<i>65.5</i>	<i>68.5</i>	<i>74.6</i>	<i>78.2</i>	<i>86.6</i>	<i>97.6</i>	<i>101.6</i>	<i>99.8</i>	<i>103.8</i>	<i>106.8</i>	<i>110.2</i>
April	61.9	65.9	69.1	75.3	78.7	88.6	97.1	100.2	98.8	104.5	108.6	110.9
May	62.4	65.9	69.1	75.5	78.7	88.7	97.1	100.0	100.2	104.4	108.6	110.9
June	62.4	65.9	71.0	75.5	79.9	90.6	99.2	99.8	100.4	104.4	108.6	111.0
<i>2nd Quarter</i>	<i>62.3</i>	<i>65.9</i>	<i>69.7</i>	<i>75.4</i>	<i>79.1</i>	<i>89.3</i>	<i>97.8</i>	<i>100.0</i>	<i>99.8</i>	<i>104.4</i>	<i>108.6</i>	<i>110.9</i>
July	64.8	66.5	71.6	76.6	82.7	92.5	101.6	100.6	100.9	104.3	108.7	
August	64.8	66.8	71.6	76.6	83.1	93.0	103.0	100.2	100.8	105.0	108.7	
September	64.8	67.3	72.0	76.6	83.1	93.2	104.1	100.2	100.8	105.2	108.8	
<i>3rd Quarter</i>	<i>64.8</i>	<i>66.9</i>	<i>71.7</i>	<i>76.6</i>	<i>82.9</i>	<i>92.9</i>	<i>102.9</i>	<i>100.3</i>	<i>100.9</i>	<i>104.8</i>	<i>108.7</i>	
October	64.7	67.3	72.2	77.1	83.1	94.0	104.6	100.3	101.4	105.4	108.8	
November	64.8	67.3	72.4	77.6	84.2	92.9	103.7	100.3	101.6	105.4	108.8	
December	64.8	67.3	72.8	77.6	84.3	93.1	102.8	100.3	101.7	105.5	108.9	
<i>4th Quarter</i>	<i>64.7</i>	<i>67.3</i>	<i>72.5</i>	<i>77.4</i>	<i>83.9</i>	<i>93.3</i>	<i>103.7</i>	<i>100.3</i>	<i>101.6</i>	<i>105.4</i>	<i>108.8</i>	
Yearly average	63.4	66.4	70.6	76.0	81.0	90.6	100.5	100.6	100.5	104.6	108.2	
% change in the yearly average	4.6	4.7	6.3	7.7	6.6	11.8	11.0	0.1	-0.1	4.1	3.5	

Technical Note

Methodology for the compilation of the Construction Price Index

(i) Introduction

A Construction Price Index measures the change in the level of construction prices. The construction industry is very broad and highly diversified with considerable variations from one type of construction to another. This makes it difficult to derive generalized indices that would be applicable to the industry as a whole. Hence, separate indices for the different types of construction need to be compiled. At present, Statistics Mauritius publishes an index that covers residential buildings only.

(ii) Types of Construction Price Indices

Different approaches to index number compilation are used depending on the purpose for which the index is required. There are two main types of construction price indices:

The Output Price Index

In this approach, specific projects representative of the various categories of construction works are selected as models and construction firms are surveyed and asked to provide estimates of the prevailing market prices for each of the projects. As such, the output price indices respond to the changes in prices of materials used and cost of labour, as well as changes in overhead costs and profits.

The Input Price Index

The index is based on prices of a representative selection of basic inputs (labour, plant, materials and transport) that go into the construction work. Hence, the input price index measures the change in the cost of resources to the contractor, and not the change in the price that the client pays.

The office opted for the input price index which, though more limiting than the output price index, is simpler and less expensive to construct and maintain.

(iii) Selection of representative dwelling

Since it would have been too time-consuming and costly to include all major types of residential dwellings, it was decided to restrict the index to a model dwelling, representing the most common type of dwelling in 2007. This model dwelling was determined on the basis of the 2000 Housing Census data and developments assumed to have taken place during the period 2000 to 2007. The drawings of the prototype model dwelling were provided by the Mauritius Housing Company Ltd. A description of the model is given at paragraph (viii) below.

(iv) Weighting scheme

The quantity survey work to determine the weighting pattern for the index was entrusted to a private Quantity Surveyor following established procedures.

Any given construction consists of an assembly of a certain number of stages or work categories. Sixteen stages or broad work categories were identified and detailed costs of inputs in terms of labour, plant, materials and transport that go into the construction of the selected model were calculated under each of the 16 work categories. The weights have been worked out in such a way that they can be presented in terms of inputs as well as work categories. For publication purposes, weights and sub-indices are shown not only for the 16 work categories, but also for the 4 broad input categories of labour, plant, materials and transport, the “materials” category being further sub-divided into 17 sub-categories.

Changes in the weight structure from 2001 to 2009 are given at the end of this technical note. It is noted that there has been some reclassification within work categories while new ones have been identified. Also within work categories there has been some changes in the product mix as well as the introduction of some new products.

(v) Data collection

The data needed for the computation of the index are collected every month from a sample of 50 outlets in 8 regions of the island. Prices are collected in respect of some 109 items, representative of all items that go into the computation of the index.

(vi) Calculation of the Construction Price Index

The Construction Price Index is a weighted average of price relatives of individual items, based on the modified Laspeyres formula:

$$I_t = \frac{\sum W_i (P_{it} / P_{io})}{\sum W_i} \times 100$$

where I_t = index for current period t
 P_{io} = price of item i at base period 0
 P_{it} = price of item i at current period t
 W_i = weight of item i

The base period is the 2nd quarter of 2009.

(vii) Uses

- a) Construction price indices give an indication of the change in the level of prices of construction works. As such, they are used as deflators for the measurement of real growth in the construction sector.
- b) They are also useful for evaluating cost fluctuations in contracts regarding construction works and for renegotiating owner-tenant agreements.

(viii) Description of model dwelling

The model used is a single storey (ground floor) detached house of 138 square metres (1,485 square feet) in floor area measured at plinth level to the external face of the external walls. The overall area is inclusive of 18.55 square metres (200 square feet) in respect of a garage.

It comprises three bedrooms, a living-dining room, a kitchen, two toilets, a utility room, a bathroom, a verandah and an attached garage. The building has concrete block walls, reinforced concrete flat roof, internal flush plywood doors, aluminium openings for windows and entrance door, screeded floor and roof, tiling to floor and walls of w.c. and bathroom and kitchen worktop; the ceilings and walls are rendered and painted both internally and externally. Plumbing, sanitary installation and electrical installation are included as well as drainage which is to be connected to the sewerage system.

Provision has been made, in the form of more substantial foundations and of stub columns on the roof, for converting the single into a two-storey house eventually. Site works are restricted to spreading and leveling surplus excavated material around the site.

The index excludes the cost of the building permit and the draughtman's fee.

It is assumed that although the house is not constructed by a contractor, the client has recourse to the services of a foreman.