

Construction Cost Index (for Dwellings)

Fourth quarter, 2013

Tirana, on March 4, 2014: In the fourth quarter 2013, Construction Cost Index (for Dwellings) reached 102.2 % versus the fourth quarter 2011. (Fourth quarter 2011=100).

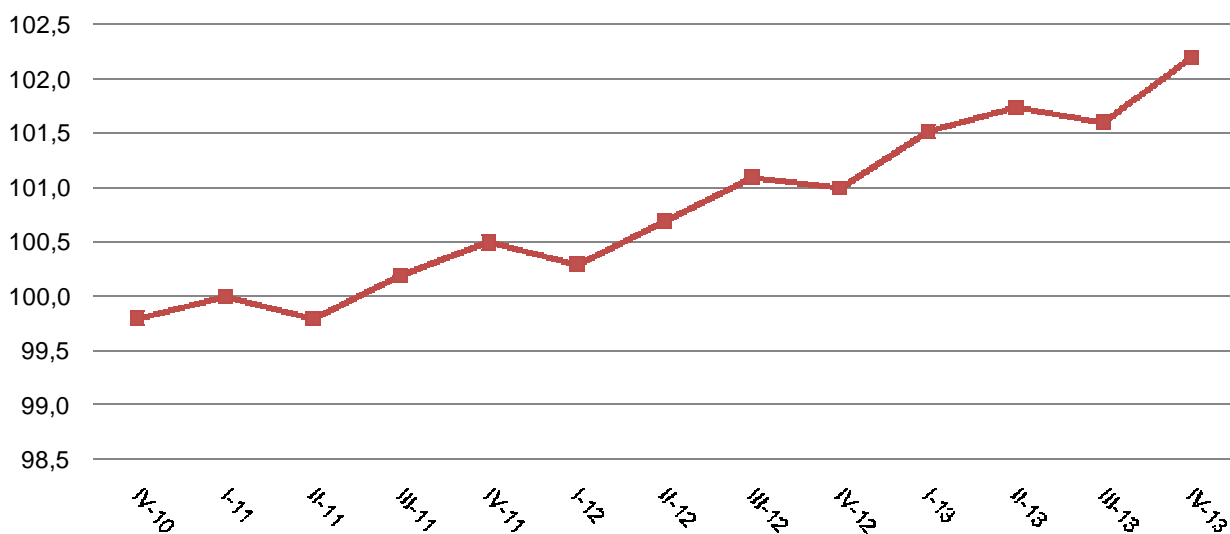
In the fourth quarter 2013, the annual change of Construction Cost Index (for Dwellings) is 1.2 %. In the same period of year 2012, this change was 0.5 %. Compare with fourth quarter of 2012, "Material expenditures" group is increased by 0.8 %. The largest increase within this group had the "Electric and communication materials" subgroup by 3.4 %. While, the largest decrease had the "Hydro sanitary materials" subgroup by 3.8 %.

The index groups of "Salary expenditures" and "Machinery expenditures" are increase respectively by 6.1% and 1.5%, compare with fourth quarter 2012.

In the fourth quarter 2013, the quarterly change of the CCI for dwellings is 0.6 %. In comparison with the third quarter of 2013, the index group of "Material expenditures" is decrease by 0.5 %. Within this group, the largest decrease had the "Construction materials" group by 0.8 %, and the largest increase had the "Electric and communication materials" subgroup by 1.9 %.

The index groups of "Salary expenditures" and "Other costs" are increase respectively by 3.2 % and 0.4 %, compare this previews quarter. While, the index groups of "Transport expenditures" and "Machinery expenditures" are decrease by 0.2 % each.

Fig. 1 Construction Cost Index (for Dwellings)



Tab. 1 Construction Cost Index (for Dwellings)

First quarter 2011=100																%
Code	Groups	Weights	IV-10	I-11	II-11	III-11	IV-11	I-12	II-12	III-12	IV-12	I-13	II-13	III-13	IV-13	
	Total (1+2+3+4+5+6)	100.0	99.8	100.0	99.8	100.2	100.5	100.3	100.7	101.1	101.0	101.5	101.7	101.6	102.2	
1	Material expenditures (a+b+c)	55.2	99.6	100.0	100.3	100.5	101.6	99.8	100.6	101.1	99.9	100.1	100.3	101.2	100.7	
	a. Construction materials	42.3	99.6	100.0	100.4	100.4	101.7	99.9	100.8	101.6	99.7	99.6	100.4	101.6	100.8	
	b. Electric and communication materials	6.7	99.5	100.0	101.0	101.0	101.2	99.3	99.1	99.3	98.7	101.6	100.7	100.1	102.0	
	c. Hydro - sanitary materials	6.2	99.7	100.0	100.3	100.3	100.9	99.9	100.8	100.1	103.1	102.0	98.9	99.1	99.2	
2	Salary expenditures	24.6	100.0	100.0	102.6	102.6	101.5	100.8	100.6	101.2	99.8	99.9	101.7	102.6	105.9	
3	Machinery expenditures	8.3	100.0	100.0	99.9	99.9	100.1	100.9	101.9	103.9	102.9	102.9	105.2	104.6	104.4	
4	Transport expenditures	5.3	99.9	100.0	99.4	99.4	100.2	100.5	101.7	102.4	102.7	102.4	103.7	102.8	102.6	
5	Energy expenditures	2.1		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.3	100.3	100.3	100.3	
6	Other costs	4.5		100.0	97.6	97.6	98.7	101.1	100.9	100.3	101.2	103.7	103.1	109.0	102.1	

Tab. 2 Quarterly changes of Construction Cost Index (for Dwellings)

Code	Groups	IV-10	I-11	II-11	III-11	IV-11	I-12	II-12	III-12	IV-12	I-13	II-13	III-13	IV-13
	Total (1+2+3+4+5+6)	0.1	0.2	-0.2	0.4	0.3	-0.2	0.4	0.4	-0.1	0.5	0.2	-0.1	0.6
1	Material expenditures (a+b+c)	0.1	0.4	0.3	0.2	1.1	-1.7	0.7	0.5	-1.2	0.1	0.2	0.9	-0.5
	a. Construction materials	0.1	0.4	0.4	0.0	1.3	-1.8	0.9	0.8	-1.9	-0.1	0.8	1.2	-0.8
	b. Electric and communication materials	0.3	0.5	-0.3	1.4	0.1	-1.9	-0.2	0.2	-0.6	3.0	-0.9	-0.6	1.9
	c. Hydro - sanitary materials	0.1	0.3	0.0	0.3	0.5	-0.9	0.8	-0.7	3.0	-1.1	-3.0	0.2	0.1
2	Salary expenditures	0.0	0.0	0.3	2.3	-1.1	-0.7	-0.2	1.0	-1.7	0.0	1.9	0.9	3.2
3	Machinery expenditures	0.1	0.1	0.0	-0.1	0.2	0.9	0.9	2.0	-0.9	0.0	2.2	-0.5	-0.2
4	Transport expenditures	0.2	0.0	-1.2	0.6	0.8	0.3	1.2	0.7	0.2	-0.3	1.3	-0.8	-0.2
5	Energy expenditures			0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
6	Other costs			-1.0	-1.4	1.1	2.4	-0.2	-0.6	0.9	2.5	-0.5	-1.4	0.4

Tab. 3 Annual changes of Construction Cost Index (for Dwellings)

Code	Groups	IV-10/IV-09	I-11/I-10	II-11/II-10	III-11/III-10	IV-11/IV-10	I-12/I-11	II-12/II-11	III-12/III-11	IV-12/IV-11	I-13/I-12	II-13/II-12	III-13/III-12	IV-13/IV-12
	Total (1+2+3+4+5+6)	0.5	0.5	0.2	0.5	0.7	0.3	0.9	0.9	0.5	1.2	1.0	0.5	1.2
1	Material expenditures (a+b+c)	0.8	0.9	1.1	1.0	2.0	-0.2	0.3	0.6	-1.6	0.3	-0.3	0.1	0.8
	a. Construction materials	0.8	0.9	1.2	0.9	2.1	-0.1	0.4	1.2	-2.0	-0.3	-0.4	0.0	1.1
	b. Electric and communication materials	4.4	4.5	1.9	1.9	1.7	-0.7	-0.6	-1.7	-2.5	2.3	1.6	0.8	3.4
	c. Hydro - sanitary materials	0.1	0.4	0.4	0.7	1.2	-0.1	0.8	-0.2	2.2	2.1	-1.9	-1.0	-3.8
2	Salary expenditures	0.0	0.0	0.3	2.6	1.5	0.8	0.3	-1.4	-1.6	-0.9	1.1	1.4	6.1
3	Machinery expenditures	0.4	0.2	0.2	0.1	0.1	0.9	1.9	4.0	2.8	2.0	3.2	0.7	1.5
4	Transport expenditures	1.8	1.2	-0.8	-0.4	0.3	0.5	2.9	3.0	2.4	1.9	2.0	0.4	0.0
5	Energy expenditures						0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0
6	Other costs						1.1	1.9	2.8	2.5	2.5	2.2	1.4	0.9

Methodology

The Construction Cost Index (for Dwellings) (CCI) measures the price development of the production factors raw materials, labour, machinery, transports, energy and other costs that are used in building projects. The CCI is an important economic indicator for the construction sector. The main users of Construction Cost Index are the National Accounts as a deflator, Ministries, the Bank of Albania, IMF, World Bank and for analysing the construction sector. The CCI from first quarter 2011 is calculated with a new basket of materials and expenditures. The new weights are calculated based on the projections for multi-dwelling buildings taken by firms. The first quarter 2011 is the base period for calculating the index (First quarter 2011=100). The new basket contains 73 items of which 68 are construction materials. The prices for construction materials collected from 126 distributors and retailers of construction materials. The data for salaries, machineries and transport collected in 50 biggest construction companies concentrated mostly in Tirana. The selection of companies is based on the volume of construction companies realized over a period of one year. The expenditure classification is based on classification of EUROSTAT for Construction Cost Index. The new CCI have six expenditure groups:

- Material Expenditures
- Salary Expenditures
- Machinery Expenditures
- Transport Expenditures
- Energy Expenditures
- Other costs

For calculation of Construction Cost Index we use the Laspeyres index model:

$$I_{0t}^L = \frac{\sum_{i=1}^n \left(\frac{p_t^i}{p_0^i} \times w_0^i \right)}{\sum_{i=1}^n w_0^i} \times 100$$

Where:

I_{ot} = Index number at a point in time t

P_t^i = Price per unit at point in time t (current period)

P_0^i = Price per unit at point in time 0 (base period)

w_0^i = Weight of product i at the base period

Measure of index

The annual rate measures the price change between current quarter and the same quarter of the previous year.

The quarterly change measures the price between current quarter and previous quarter.