



**PRESS RELEASE**

**UGANDA BUREAU OF STATISTICS**



## **CONSTRUCTION INPUT PRICE INDICES AND CONSTRUCTION SECTOR INFLATION**

**NOVEMBER 2023**

### **1.0 Annual Construction Sector Inflation**

Construction Sector Inflation as measured by the Construction Input Price Index for Uganda for the 12 months to November 2023 for inputs into the Construction Sector increased to 2.3 percent compared to 2.2 percent (revised) registered for the year ended October 2023 as shown in Table 1. This is mainly attributed to the Annual Construction Sector Inflation of inputs for Specialised Construction Activities which increased to 2.3 percent for the year ending November 2023 compared to 2.1 percent registered in the year ended October 2023 as shown in Table 2.

The main driver for Specialised Construction Activities was the Inflation of inputs into Demolition and Site Preparation which increased to minus 1.4 percent in the year ending November 2023 compared to minus 2.4 percent registered in the year ended October 2023. The inflation of inputs into Electrical, Plumbing and Other Construction Installation Activities was registered at 3.6 percent in the year ending November 2023 the same rate registered in the year ended October 2023. However, Building Completion and Finishing Inflation was registered at 3.6 percent in the year ending November 2023 compared to 3.9 percent registered in the year ended October 2023.

The Annual Construction Sector Inflation of inputs into Civil Engineering / Works increased to 1.4 percent in the year ending November 2023 compared to 1.3 percent registered for the year ended October 2023. This was mainly attributed to the Inflation of inputs for Construction of Roads and Railways which increased to 1.2 percent in the year ending November 2023 compared to 1.1 percent registered in the year ended October 2023. The Inflation of inputs for Construction of Utility Projects was registered at 2.0 percent for the year ending November 2023 the same rate registered in the year ended October 2023 as shown in Table 2.

The Annual Construction Sector Inflation of inputs into Construction of Buildings Activities was registered at 2.5 percent for the year ending November 2023 compared to 2.6 percent registered in the year ended October 2023. Specifically, the Inflation of inputs into Construction of Residential Buildings was registered at 2.6 percent in the year ending November 2023 compared to 2.8 percent registered in the year ended October 2023. In addition, the Inflation of inputs for Construction of Non Residential Buildings was

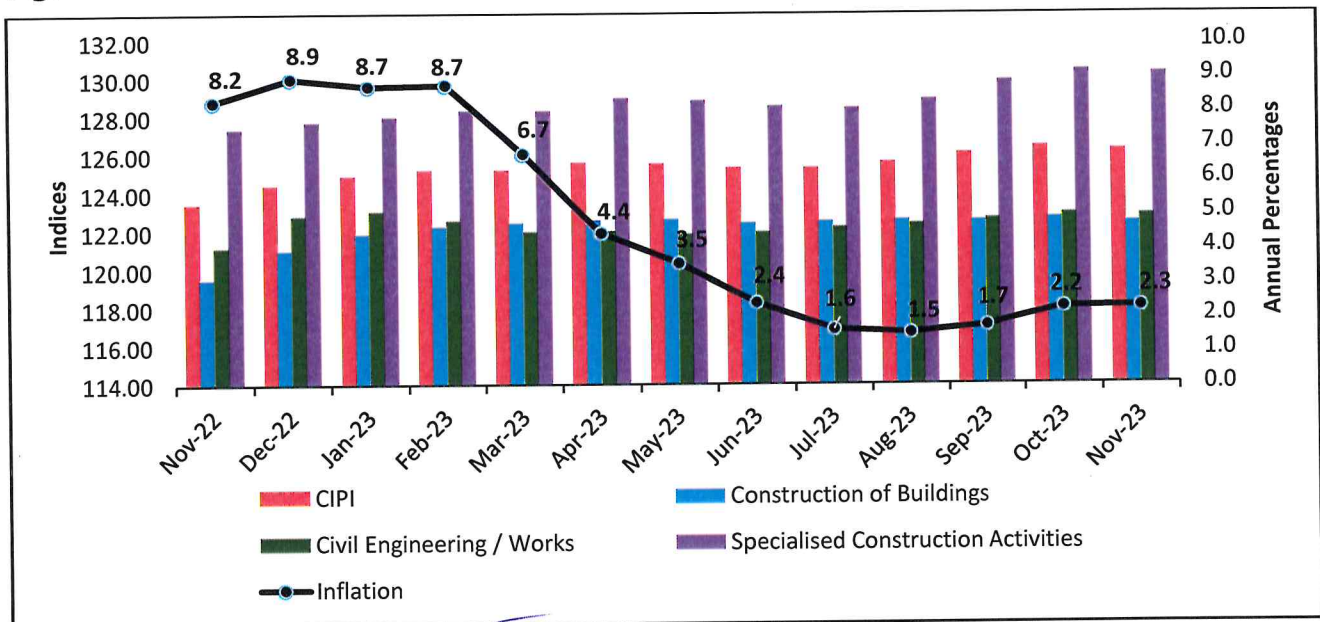
registered at 2.3 percent in the year ending November 2023 compared to 2.4 percent registered in the year ended October 2023.

The overall Annual Construction Input Price Index and Construction Sector Inflation for the 12 months to November 2023 are shown in Table 1 below.

**Table 1: Overall Annual CIPI and Construction Sector Inflation (Base: 2016/17 = 100)**

MONTH	OVER ALL CIPI	CONSTRUCTION SECTOR INFLATION
November 2023	126.30	2.3
October 2023	126.48	2.2
September 2023	126.15	1.7
August 2023	125.66	1.5
July 2023	125.39	1.6
June 2023	125.39	2.4
May 2023	125.60	3.5
April 2023	125.67	4.4
March 2023	125.28	6.7
February 2023	125.27	8.7
January 2023	124.99	8.7
December 2022	124.49	8.9
November 2022	123.52	8.2

**Figure 1: Annual Headline Construction Sector Inflation: November 2022 – November 2023**



Chris N. Mukiza (PhD)  
**EXECUTIVE DIRECTOR / CHIEF STATISTICIAN**

The overall Monthly Construction Input Price Index and Construction Sector Inflation according to ISIC Divisions of Section F for the 12 months to November 2023 are shown in Table 2 below.

**Table 2: Annual Construction Sector Inflation by ISIC Divisions (Base: 2016/17 = 100)**

<b>Description</b>	<b>Weights</b>	<b>Annual % Change for October 2023</b>	<b>Annual % Change for November 2023</b>
<b>Construction Input Price Index (CIPI)</b>	<b>1000.00</b>	<b>2.2</b>	<b>2.3</b>
<b>Construction of Buildings</b>	<b>421.08</b>	<b>2.6</b>	<b>2.5</b>
Construction of Residential Buildings	195.00	2.8	2.6
Construction of Non Residential Buildings	226.07	2.4	2.3
<b>Civil Engineering / Works</b>	<b>96.89</b>	<b>1.3</b>	<b>1.4</b>
Construction of roads and railways	80.95	1.1	1.2
Construction of utility projects (Water projects)	15.94	2.0	2.0
<b>Specialised Construction Activities</b>	<b>482.04</b>	<b>2.1</b>	<b>2.3</b>
Demolition and site preparation	91.01	-2.4	-1.4
Electrical, plumbing and other construction installation activities	127.48	3.6	3.6
Building completion and finishing	263.55	3.9	3.6



## 2.0 Monthly Construction Sector Inflation

On a month to month basis, the Construction Sector Inflation of inputs into the Construction Sector decreased by 0.1 percent in the month of November 2023 compared to 0.3 percent increase registered in the month of October 2023.

This was mainly due to 0.2 percent decrease in the Construction Sector Inflation of inputs for Construction of Buildings in November 2023 compared to 0.1 percent increase registered in October 2023. Specifically, Construction Sector Inflation of inputs into Construction of Non Residential Buildings decreased by 0.2 percent in November 2023 compared to 0.1 percent increase registered in October 2023. In addition, Construction Sector Inflation of inputs for Construction of Residential Buildings decreased by 0.2 percent in November 2023 compared to 0.1 percent decrease registered in October 2023 as shown in Table 3 below.

**Table 3: Monthly Construction Sector Inflation by ISIC Divisions (Base: 2016/17 = 100)**

Description	Weights	Monthly % Change for October 2023	Monthly % Change for November 2023
<b>Construction Input Price Index (CIPI)</b>	<b>1000.00</b>	<b>0.3</b>	<b>-0.1</b>
<b>Construction of Buildings</b>	<b>421.08</b>	0.1	-0.2
Construction of Residential Buildings	195.00	0.1	-0.2
Construction of Non Residential Buildings	226.07	0.1	-0.2
<b>Civil Engineering / Works</b>	<b>96.89</b>	<b>0.2</b>	<b>-0.1</b>
Construction of roads and railways	80.95	0.3	0.0
Construction of utility projects (Water projects)	15.94	0.0	-0.2
<b>Specialised Construction Activities</b>	<b>482.04</b>	<b>0.4</b>	<b>-0.1</b>
Demolition and site preparation	91.01	1.8	0.1
Electrical, plumbing and other construction installation activities	127.48	0.0	0.0
Building completion and finishing	263.55	-0.1	-0.2

In the month of November 2023, products whose prices decreased were; High Tensile Steel Bars by 1.0 percent compared to 0.5 percent increase in October 2023, Sand by 0.4 percent compared to 0.9 percent increase in October 2023, Timber by 0.1 percent compared to 0.3 percent increase in October 2023 and Aggregate, Hardcore & Crushed or Broken Stones by 0.1 percent compared to 0.2 percent increase in October 2023.

However, Clay Bricks increased by 0.7 percent in November 2023 compared to 0.0 percent in October 2023, Adhesives & Sealants increased by 0.0 percent in November 2023 compared to 0.3 percent decrease registered in the month of October 2023 and Nails, Bolts & Screws increased by minus 0.3 percent in November 2023 compared to 0.7 percent decrease registered in the month of October 2023.

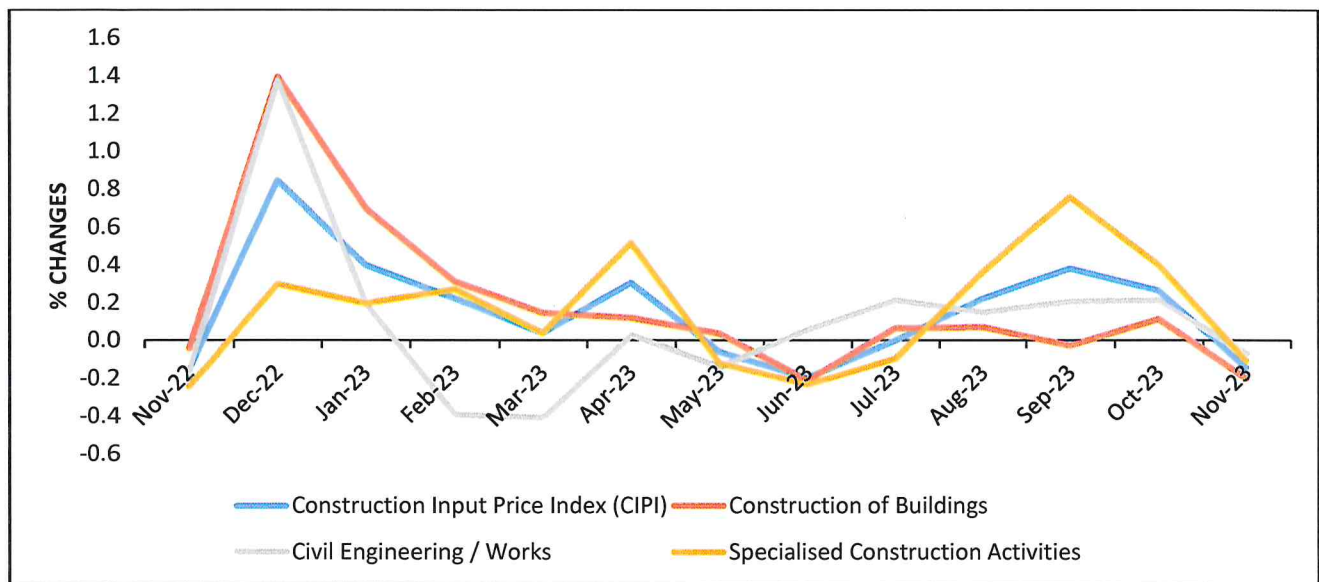
The overall monthly Construction Input Price Index for the 12 months to November 2023 are shown in Table 4 below.

**Table 4: Overall Monthly CIPI and Construction Sector Inflation (Base: 2016/17 = 100)**

MONTH	OVER ALL CIPI	CONSTRUCTION SECTOR INFLATION
November 2023	126.30	-0.1
October 2023	126.48	0.3
September 2023	126.15	0.4
August 2023	125.66	0.2
July 2023	125.39	0.0
June 2023	125.39	-0.2
May 2023	125.60	-0.1
April 2023	125.67	0.3
March 2023	125.28	0.0
February 2023	125.27	0.2
January 2023	124.99	0.4
December 2022	124.49	0.8
November 2022	123.52	-0.2

Figure 2 below shows the monthly trends for the overall Construction Input Price Index, Construction of Buildings, Civil Engineering/Civil Works and Specialised Construction Activities for one year period.

**Figure 2: Monthly Headline Inflation: November 2022 – November 2023**



## Annex 1: OVERALL CONSTRUCTION INPUT PRICE INDEX

Base Period 2016/17=100

S No	Selected Products	Weight	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
1	Aggregate, hardcore, crushed / broken stone	30.4496	135.75	135.71	136.87	137.63	138.36	138.41	138.15	138.79	141.35	141.12	140.51	140.78	140.57
2	Cement	105.7605	104.48	108.14	108.21	110.10	109.58	108.61	109.12	108.44	108.22	107.84	108.19	108.24	107.60
3	Ceramic wall and floor tiles	37.6980	155.54	153.72	153.72	153.72	155.76	158.95	158.95	158.95	158.95	158.95	158.95	158.95	158.95
4	Clay bricks and tiles	24.0773	136.57	139.60	139.54	139.72	142.41	142.42	142.40	142.34	144.46	146.01	145.19	145.21	146.24
5	Concrete bricks, blocks and slabs	12.6706	108.88	109.40	108.56	108.27	107.67	107.45	107.44	107.41	106.75	106.76	107.10	107.57	107.75
6	Diesel	86.2827	189.82	187.98	182.33	181.62	179.60	177.80	176.74	175.64	173.83	176.62	182.96	186.44	186.66
7	Eucalyptus Props	2.4599	144.09	150.26	150.26	154.26	151.02	148.40	148.40	147.71	147.21	147.21	147.21	147.21	147.21
8	High tensile steel bars	25.6560	153.33	160.31	159.28	157.85	156.35	156.50	156.40	155.20	154.31	154.52	153.67	154.41	152.81
9	Lime	3.8459	111.99	116.48	115.41	115.41	116.37	115.83	115.83	115.83	113.22	115.05	117.51	117.03	117.03
10	Nails, bolts & screws	30.4726	119.42	121.55	123.30	121.86	121.80	120.26	121.67	120.92	121.06	122.17	120.92	120.06	119.70
11	Paints and varnishes	45.5466	120.71	122.18	120.84	123.87	122.68	124.01	123.84	124.08	125.17	124.09	124.11	123.37	123.10
12	Plastic pipes and fittings	13.9662	109.15	110.19	109.99	109.87	110.23	109.16	109.16	107.34	106.62	106.62	106.48	105.58	105.25
13	Sand	15.9509	142.43	143.83	143.64	145.28	145.31	145.51	145.42	142.93	142.82	142.85	142.69	144.03	143.39
14	Sheet steel, roofing sheets and similar	9.0705	134.09	136.75	135.44	134.81	133.29	132.85	132.39	130.89	129.51	128.87	128.95	128.92	128.75
15	Timber, coniferous, greater than 6mm thick	22.7874	116.39	116.87	116.87	116.68	117.38	117.38	117.90	117.96	117.64	117.64	117.64	117.96	118.07
	<b>Materials</b>	<b>802.6220</b>	<b>127.67</b>	<b>128.55</b>	<b>128.93</b>	<b>129.23</b>	<b>129.20</b>	<b>129.58</b>	<b>129.50</b>	<b>129.17</b>	<b>128.96</b>	<b>129.26</b>	<b>129.81</b>	<b>130.20</b>	<b>130.05</b>
16	Utilities	7.1000	125.05	125.05	125.05	125.05	125.05	125.05	125.05	125.05	137.56	138.94	140.32	141.72	141.72
17	Equipment Hire Charges	121.1523	102.63	103.93	103.42	103.33	103.18	103.18	103.14	103.18	103.67	103.88	104.10	104.19	103.59
18	Labour	69.1257	111.69	113.36	117.04	117.78	118.57	119.78	119.78	120.38	120.66	120.70	120.79	120.77	120.96
	<b>OVERALL CONSTRUCTION INDEX</b>	<b>1000.0000</b>	<b>123.52</b>	<b>124.49</b>	<b>124.99</b>	<b>125.27</b>	<b>125.28</b>	<b>125.67</b>	<b>125.60</b>	<b>125.39</b>	<b>125.39</b>	<b>125.66</b>	<b>126.15</b>	<b>126.48</b>	<b>126.30</b>

Revised Figures



## Annex 2: CONSTRUCTION OF BUILDINGS INDEX

Base Period 2016/17=100

S No	Selected Products	Weight	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
1	Aggregate, hardcore, crushed or broken stone	<b>14.8789</b>	135.75	135.71	136.87	137.63	138.36	138.41	138.15	138.79	141.35	141.12	140.51	140.78	140.57
2	Cement	<b>53.3576</b>	104.48	108.14	108.21	110.10	109.58	108.61	109.12	108.44	108.22	107.84	108.19	108.24	107.60
3	Ceramic wall and floor tiles	<b>9.1332</b>	155.54	153.72	153.72	153.72	155.76	158.95	158.95	158.95	158.95	158.95	158.95	158.95	158.95
4	Clay bricks and tiles	<b>16.0338</b>	136.57	139.60	139.54	139.72	142.41	142.42	142.40	142.34	144.46	146.01	145.19	145.21	146.24
5	Concrete bricks, blocks slabs	<b>6.9015</b>	108.88	109.40	108.56	108.27	107.67	107.45	107.44	107.41	106.75	106.76	107.10	107.57	107.75
6	Diesel	<b>4.2963</b>	189.82	187.98	182.33	181.62	179.60	177.80	176.74	175.64	173.83	176.62	182.96	186.44	186.66
7	Eucalyptus Props	<b>2.4419</b>	144.09	150.26	150.26	154.26	151.02	148.40	148.40	147.71	147.21	147.21	147.21	147.21	147.21
8	High tensile steel bars	<b>23.7058</b>	153.33	160.31	159.28	157.85	156.35	156.50	156.40	155.20	154.31	154.52	153.67	154.41	152.81
9	Lime	<b>2.1570</b>	111.99	116.48	115.41	115.41	116.37	115.83	115.83	115.83	113.22	115.05	117.51	117.03	117.03
10	Nails, bolts & screws	<b>10.0770</b>	119.42	121.55	123.30	121.86	121.80	120.26	121.67	120.92	121.06	122.17	120.92	120.06	119.70
11	Paints and varnishes	<b>10.8116</b>	120.71	122.18	120.84	123.87	122.68	124.01	123.84	124.08	125.17	124.09	124.11	123.37	123.10
12	Plastic pipes and fittings	<b>3.7058</b>	109.15	110.19	109.99	109.87	110.23	109.16	109.16	107.34	106.62	106.62	106.48	105.58	105.25
13	Sand	<b>8.7466</b>	142.43	143.83	143.64	145.28	145.31	145.51	145.42	142.93	142.82	142.85	142.69	144.03	143.39
14	Sheet steel, roofing sheets & similar	<b>9.0705</b>	134.09	136.75	135.44	134.81	133.29	132.85	132.39	130.89	129.51	128.87	128.95	128.92	128.75
15	Timber, coniferous, greater than 6mm thick	<b>17.7297</b>	116.39	116.87	116.87	116.68	117.38	117.38	117.90	117.96	117.64	117.64	117.64	117.96	118.07
	<b>Total Materials</b>	<b>315.0840</b>	<b>123.80</b>	<b>125.35</b>	<b>126.08</b>	<b>126.50</b>	<b>126.67</b>	<b>126.70</b>	<b>126.76</b>	<b>126.40</b>	<b>126.26</b>	<b>126.31</b>	<b>126.20</b>	<b>126.35</b>	<b>126.11</b>
16	<b>Utilities</b>	<b>2.9907</b>	125.05	125.05	125.05	125.05	125.05	125.05	125.05	125.05	137.56	138.94	140.32	141.72	141.72
17	<b>Equipment Hire Charges</b>	<b>59.6470</b>	102.63	103.93	103.42	103.33	103.18	103.18	103.14	103.18	103.67	103.88	104.10	104.19	103.59
18	<b>Labour</b>	<b>43.3536</b>	111.69	113.36	117.04	117.78	118.57	119.78	119.78	120.38	120.66	120.70	120.79	120.77	120.96
	<b>Overall Building Index</b>	<b>421.0753</b>	<b>119.56</b>	<b>121.08</b>	<b>121.93</b>	<b>122.31</b>	<b>122.50</b>	<b>122.64</b>	<b>122.68</b>	<b>122.48</b>	<b>122.56</b>	<b>122.64</b>	<b>122.61</b>	<b>122.75</b>	<b>122.50</b>

Revised Figures

### Annex 3: CIVIL ENGINEERING WORKS INDEX

Base Period 2016/17=100

S No	Selected Products	Weight	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
1	Aggregate, hardcore, crushed/broken stone	14.8509	135.75	135.71	136.87	137.63	138.36	138.41	138.15	138.79	141.35	141.12	140.51	140.78	140.57
2	Bitumen and bitumen primer	22.4555	120.90	125.23	125.06	122.03	118.42	118.54	118.39	118.41	118.04	118.41	118.85	119.07	119.29
3	Cement	3.6797	104.48	108.14	108.21	110.10	109.58	108.61	109.12	108.44	108.22	107.84	108.19	108.24	107.60
4	Clays and murrum	4.2186	125.00	125.84	125.84	126.79	126.79	126.79	126.08	126.52	124.87	124.87	124.87	124.87	124.87
5	Concrete bricks, blocks and slabs	5.4440	108.88	109.40	108.56	108.27	107.67	107.45	107.44	107.41	106.75	106.76	107.10	107.57	107.75
6	Diesel	2.9294	189.82	187.98	182.33	181.62	179.60	177.80	176.74	175.64	173.83	176.62	182.96	186.44	186.66
7	High tensile steel bars	1.9412	153.33	160.31	159.28	157.85	156.35	156.50	156.40	155.20	154.31	154.52	153.67	154.41	152.81
8	Insulated Electrical Cables	1.4732	123.99	123.99	123.55	123.54	123.60	123.61	123.59	123.59	123.59	123.59	123.59	124.79	124.79
9	Iron pipes	0.1992	147.67	147.67	147.67	147.67	166.93	166.93	166.93	166.93	166.93	166.93	166.93	166.93	166.93
10	Nails, bolts & screws	0.6857	119.42	121.55	123.30	121.86	121.80	120.26	121.67	120.92	121.06	122.17	120.92	120.06	119.70
11	Plastic pipes and fittings	1.6945	109.15	110.19	109.99	109.87	110.23	109.16	109.16	107.34	106.62	106.62	106.48	105.58	105.25
12	Steel pipe fittings	0.1594	123.95	132.13	132.13	132.13	132.13	132.13	132.13	132.13	129.34	129.34	129.34	129.34	129.34
13	Steel tubes and pipes	0.9924	130.91	128.85	128.20	128.14	138.90	138.91	133.73	138.31	138.31	138.51	140.71	140.96	141.29
	<b>Total Materials</b>	<b>73.4809</b>	<b>125.76</b>	<b>127.49</b>	<b>127.41</b>	<b>126.69</b>	<b>125.84</b>	<b>125.72</b>	<b>125.51</b>	<b>125.56</b>	<b>125.66</b>	<b>125.84</b>	<b>126.11</b>	<b>126.43</b>	<b>126.40</b>
14	Utilities	0.6604	125.05	125.05	125.05	125.05	125.05	125.05	125.05	125.05	137.56	138.94	140.32	141.72	141.72
15	Equipment Hire Charges	13.1711	102.63	103.93	103.42	103.33	103.18	103.18	103.14	103.18	103.67	103.88	104.10	104.19	103.59
16	Labour	9.5732	111.69	113.36	117.04	117.78	118.57	119.78	119.78	120.38	120.66	120.70	120.79	120.77	120.96
	<b>Overall Civil Engineering works Index</b>	<b>96.8855</b>	<b>121.22</b>	<b>122.88</b>	<b>123.11</b>	<b>122.62</b>	<b>122.04</b>	<b>122.07</b>	<b>121.90</b>	<b>122.00</b>	<b>122.26</b>	<b>122.44</b>	<b>122.69</b>	<b>122.95</b>	<b>122.86</b>

Revised Figures



## Annex 4: SPECIALISED CONSTRUCTION ACTIVITIES INDEX

Base Period 2016/17=100

S No	Selected Products	Weight	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
1	Aggregate, hardcore, crushed / broken stone	<b>0.7198</b>	135.75	135.71	136.87	137.63	138.36	138.41	138.15	138.79	141.35	141.12	140.51	140.78	140.57
2	Cement	<b>48.7231</b>	104.48	108.14	108.21	110.10	109.58	108.61	109.12	108.44	108.22	107.84	108.19	108.24	107.60
3	Ceramic wall and floor tiles	<b>28.5648</b>	155.54	153.72	153.72	153.72	155.76	158.95	158.95	158.95	158.95	158.95	158.95	158.95	158.95
4	Clay bricks and tiles	<b>8.0435</b>	136.57	139.60	139.54	139.72	142.41	142.42	142.40	142.34	144.46	146.01	145.19	145.21	146.24
5	Concrete bricks, blocks and slabs	<b>0.3251</b>	108.88	109.40	108.56	108.27	107.67	107.45	107.44	107.41	106.75	106.76	107.10	107.57	107.75
6	Diesel	<b>79.0569</b>	189.82	187.98	182.33	181.62	179.60	177.80	176.74	175.64	173.83	176.62	182.96	186.44	186.66
7	Doors, windows & frames of iron, steel / aluminum	<b>50.7817</b>	106.06	105.81	114.66	115.40	116.10	116.10	116.03	115.37	115.33	115.46	115.68	115.68	115.43
8	Eucalyptus Props	<b>0.0180</b>	144.09	150.26	150.26	154.26	151.02	148.40	148.40	147.71	147.21	147.21	147.21	147.21	147.21
9	High tensile steel bars	<b>0.0090</b>	153.33	160.31	159.28	157.85	156.35	156.50	156.40	155.20	154.31	154.52	153.67	154.41	152.81
10	Insulated Electrical Cables	<b>3.5327</b>	123.99	123.99	123.55	123.54	123.60	123.61	123.59	123.59	123.59	123.59	123.59	124.79	124.79
11	Lime	<b>1.6889</b>	111.99	116.48	115.41	115.41	116.37	115.83	115.83	115.83	113.22	115.05	117.51	117.03	117.03
12	Nails, bolts & screws	<b>19.7099</b>	119.42	121.55	123.30	121.86	121.80	120.26	121.67	120.92	121.06	122.17	120.92	120.06	119.70
13	Paints and varnishes	<b>34.7350</b>	120.71	122.18	120.84	123.87	122.68	124.01	123.84	124.08	125.17	124.09	124.11	123.37	123.10
14	Plastic pipes and fittings	<b>8.5659</b>	109.15	110.19	109.99	109.87	110.23	109.16	109.16	107.34	106.62	106.62	106.48	105.58	105.25
15	Sand	<b>7.2043</b>	142.43	143.83	143.64	145.28	145.31	145.51	145.42	142.93	142.82	142.85	142.69	144.03	143.39
	<b>Total Materials</b>	<b>414.0571</b>	<b>130.96</b>	<b>131.17</b>	<b>131.37</b>	<b>131.76</b>	<b>131.72</b>	<b>132.45</b>	<b>132.28</b>	<b>131.92</b>	<b>131.61</b>	<b>132.12</b>	<b>133.22</b>	<b>133.81</b>	<b>133.71</b>
16	<b>Utilities</b>	<b>3.4489</b>	125.05	125.05	125.05	125.05	125.05	125.05	125.05	125.05	137.56	138.94	140.32	141.72	141.72
17	<b>Equipment Hire Charges</b>	<b>48.3343</b>	102.63	103.93	103.42	103.33	103.18	103.18	103.14	103.18	103.67	103.88	104.10	104.19	103.59
18	<b>Labour</b>	<b>16.1989</b>	111.69	113.36	117.04	117.78	118.57	119.78	119.78	120.38	120.66	120.70	120.79	120.77	120.96
	<b>Overall Specialised Construction Activities</b>	<b>482.0392</b>	<b>127.43</b>	<b>127.80</b>	<b>128.04</b>	<b>128.39</b>	<b>128.37</b>	<b>129.04</b>	<b>128.89</b>	<b>128.61</b>	<b>128.48</b>	<b>128.95</b>	<b>129.93</b>	<b>130.45</b>	<b>130.31</b>

Revised Figures