

# Construction activity

Metadata

National Bureau of Statistics of the Republic of Moldova (NBS)

## 1. Contact Information

### 1.1. Responsible subdivision within NBS

**General Division for Business Statistics**  
Investments and Constructions Statistics Division

### 1.2. Contact person

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## 2. Metadata Update

### 2.1. Last certification of metadata

26.02.2020

### 2.2. Last update of metadata

26.02.2020

## 3. Statistical presentation

### 3.1. General description

The construction activity represents the sector of the national economy which deals with carrying out construction works, meant to create fixed assets, as well as to maintain the existing constructions at a technical level as close as possible to the initial one.

According to the Classifier Activities of Economy of Moldova - 2 (*Clasificatorul Activităților din Economia Moldovei - 2*, CAEM-2, section F, divisions 41 – 43), the activity of construction covers:

- organization of the building yard and preparing the land plot;
- complete and partial construction of buildings and engineering constructions; civil constructions;
- buildings' equipping works;
- constructions' furnishings;
- renting construction equipment with the afferent service personnel.

The statistical surveys "Short-term indicators in constructions" (CONS TS) and "Construction activity" (1-CC) represent the information source for assessing the construction works.

The statistical surveys "Short-term indicators in constructions" and "Construction activity" supply significant data regarding the construction work, with multiple structuring modalities by different characteristics, so as to offer the possibility of obtaining a complete image about the entire construction activity at the national economy level.

### 3.2. Concepts and definitions

#### 3.2.1. Definitions

Construction works represent the entire set of activities performed with the aim to produce real estate assets, new buildings and civil constructions, as well as to restore, reconstruction and expansion, repair, and maintain the existing ones.

The construction works are grouped and presented:

- *by structure elements:*

- new construction works;
- capital repairs works,
- maintenance works and current repairs,
- other works.

Value of **new construction works** (including reconstruction and extension works) – represents the value of construction works performed for the first time, covered in the estimation items.

Value of **capital repairs works** is the value of a set of works and measures in order to restore the capacity or operating conditions of buildings, structures and their parts and components, including construction and machinery. Thus, for the overhaul work of buildings and constructions are carried out the replacement of used parts, or their exchange with other more resistant and advantageous. It improves the exploitation possibilities of the repaired object and increases the useful life, compared to the fixed duration of the initial entry, with the exception of the complete replacement of the basic constructions (walls, foundations, intermediate floors, etc.).

Value of **maintenance works and current repairs** represents the value of the works, done with the purpose to preserve or restore the possibilities of obtaining the future economic benefits (profit) from them, in the proportions established at the initial entry. The maintenance works and current repairs include all operations of painting, coloring and repairing of non-significant parts, which are done to ensure the continuity of its use, preventing the quick use and prolonging the useful life. Also, are included the installation of mechanical, electrical or heating systems, replacement of sewers and water pipes (even if they are new).

Value of **other works** include the value for technical-cultural works; works for re-cultivation of the land plots and primary improvement of the agricultural areas; works for cleaning the irrigation and drainage systems; drainage works for the forestry fund areas; works for supplying gas to flats, performed from population's means; works for substituting flameproof masonry of technical and thermal aggregates, works related to drilling technical wells and for reducing water, performed for the basic activity of the enterprise; renting construction equipment with the afferent service personnel.

- *by construction objects:*

- residential buildings;
- non-residential buildings;
- engineering structures.

**Residential buildings** – are constructions with a long-term exploitation, located on a batch of land within borders, with all auxiliary buildings and comfort elements, where more than half of the total building's area is used for dwelling purposes.

**Non-residential buildings** – are buildings designed, exclusively, for other purposes than residential (administrative and production buildings, shops, warehouses, cinemas).

**Engineering structures** – the construction objects which are not classified under buildings, but are designed to create conditions for production, services or social-cultural activities (roads, railways, bridges, stadiums, electric networks, sanitation networks, water networks, gas pipelines, communication networks etc.).

### 3.2.2. Unit of measurement

Data expressed in absolute values: value of construction works by structure elements and construction objects are presented in thousand lei (current prices).

Indicators on: increase/decrease rhythm of the construction works volume, structure of construction works by ownership forms, structure of construction works by structure elements and construction objects are expressed in percentage (%).

### 3.2.3. Formula of calculation

Increase/decrease rhythm of the construction works volume	$R_{LC} = \frac{LC_n}{K_{iplcm} \cdot LC_{n-1}}, \text{ where:}$ <p><math>LC_n</math> – volume of construction works for the respective period of the current year;</p> <p><math>K_{iplcm}</math> – coefficient of the price index for constructions-assembling works;</p> <p><math>LC_{n-1}</math> – volume of construction works for the respective period of the previous year</p>
Volume of works performed in average per organization	$LC_{med} = \frac{LC}{N_o}, \text{ where:}$ <p><math>LC_{med}</math> – volume of works performed in average per organization;</p> <p><math>LC</math> – value of performed works (in current prices);</p> <p><math>N_o</math> – number of organization, which have performed construction works during the reported period</p>
Structure of performed works by ownership forms	$LC_{(i)} = \frac{LC_i}{\sum_{i=1}^n LC_i} * 100 \% , \text{ where:}$ <p><math>LC_{(i)}</math> – structure of performed works by ownership forms;</p> <p><math>LC_i</math> – value of works for one ownership form</p>
Structure of construction works by structure elements	$LC_{(s)} = \frac{LC_s}{\sum_{s=1}^n LC_s} * 100 \% , \text{ where:}$ <p><math>LC_{(s)}</math> – structure of construction works by structure elements;</p> <p><math>LC_s</math> – value of construction works for one structure element</p>
Structure of construction works by construction objects	$LC_{(t)} = \frac{LC_t}{\sum_{t=1}^n LC_t} * 100 \% , \text{ where:}$ <p><math>LC_{(t)}</math> – structure of construction works by construction objects;</p> <p><math>LC_t</math> – value of construction works for one construction object</p>

### 3.3. Used classifications

**Classifier Activities of Economy of Moldova - 2** (Clasificatorul Activităților din Economia Moldovei - 2, CAEM-2), approved via NBS Order No. 28 dated 07.05.2019. Implemented since 07.05.2019.

**Classification of ownership forms of the Republic of Moldova** (CFP – Clasificatorul formelor de proprietate din Republica Moldova): approved via the Decision of the Standards, Metrology, and Technical Supervision Department No. 276-st dated 04.02.1997.

**Classification of administrative-territorial units of the Republic of Moldova** (CUATM – Clasificatorul unităților administrativ-teritoriale al Republicii Moldova), approved via Moldova-Standard Department Decision No. 1398-ST dated 03.09.2003, with subsequent amendments.

<b>Nomenclature of the territorial statistical units of the Republic of Moldova (NUTS)</b> , approved via Government Decision of the Republic of Moldova No. 570 dated 19.07.2017. Implemented since 01.01.2018.
<b>3.4. Scope</b>
<b>3.4.1. Sector coverage</b>
The statistical surveys “Construction activity” includes the economic units with the main activity “Constructions”; which corresponds to the Classifier Activities of Economy of Moldova (CAEM-2), section F „Constructions”, divisions 41-43.
<b>3.4.2. Statistical population</b>
Economic units with legal entity status, with their main activity “Constructions”, which perform new construction works, capital and current repairs, as well as works for maintaining existing buildings and constructions.
<b>3.4.3. Geographical coverage</b>
Information is developed and disseminated without covering the data of the enterprises and organizations from the left side of the river Nistru and Bender municipality.
<b>3.4.4. Time coverage</b>
Time series are available starting with 2000.
<b>3.5. Level of disaggregation</b>
<p>The data obtained from the statistical survey “Construction activity” are disaggregated by:</p> <ul style="list-style-type: none"> <li>– total country;</li> <li>– regions (Chisinau municipality, North, Center, South, UTA Gagauzia);</li> <li>– districts;</li> <li>– ownership forms;</li> <li>– structure elements;</li> <li>– construction objects.</li> </ul>
<b>3.6. Dissemination frequency</b>
<p>Quarterly;</p> <p>Annually.</p>
<b>3.7. Timeliness</b>
<p>Quarterly – during 50 days following the reported quarter;</p> <p>Annually – up to May 30 following the reported year.</p>
<b>3.8. Revision</b>
<p>Disseminated data are preliminary for the reported period (n) and final for the basic period (the respective period of the previous year (n-1)).</p> <p>As from 2015 the data are final when disseminated for the first time.</p>
<b>3.9. Period of reference</b>
The period of reference is quarter and the year.

## 4. Data Collection and Processing

<b>4.1. Data source</b>
<b>4.1.1. Statistical surveys</b>
The statistical surveys “Short-term indicators in constructions” (CONS TS) and “Construction activity”(1-CC)

<b>4.1.2. Administrative sources</b>
Not used.
<b>4.1.3. Estimations</b>
Quarterly, value indicators “Volume of construction works” are estimated based methods to extend the selective research data.
<b>4.2. Characteristics of the statistical survey</b>
<b>4.2.1. Objective and background</b>
<p>The main objective of the statistical surveys “Short-term indicators in constructions” and “Construction activity” is to determine the value of the construction works by types of objects and structural elements, as well as to determine the structure of these categories and evolution trends, for the subsequent supply of essential data about the construction activity at the national economy level.</p> <p>The practical organization and implementation of the statistical survey is performed by the National Bureau of Statistics through its territorial statistical divisions/sections.</p> <p>The implementation of the statistical survey through the statistical report “Construction activity” was initiated in 1997, by filling in four separate chapters, which supply necessary data to estimate the evolution trends of the construction activity, as a national economy branch.</p> <p>The re-design of the statistical report in its current structure was initiated in 2007 and was performed in compliance with the international definitions and concepts, as well as in line with the legislation in force, with the aim to further-on improve the level of harmonization with the international and European standards.</p> <p>The implementation of the statistical survey CONS TS “Short-term indicators in constructions” began in 2011 by implementing the chapter VLC: Value of construction works performed for whole country, by categories of works and objects.</p>
<b>4.2.2. Statistical unit</b>
Enterprises with main activity “Constructions”.
<b>4.2.3. Circle of units covered in the survey</b>
<p>The general collectivity of units covered in the survey’s scope is set from units surveyed:</p> <ul style="list-style-type: none"> <li>- Annually – exhaustively</li> <li>- Quarterly. For the circle of enterprises included in the quarterly surveys, exhaustively are surveyed enterprises with average number of employees 20 and more, and sample surveyed – with up to 20 employees.</li> </ul> <p>In 2019 were covered in the quarterly survey – 605 units, and in the annual survey – 2609 units.</p>
<b>4.2.4. Survey periodicity</b>
Quarterly
Annually
<b>4.2.5. Data collection</b>
Data are collected by filling in the statistical forms “Short-term indicators in constructions” (CONS TS) and “Construction activity” (1-CC) and submitting the filled in statistical reports to the territorial bodies; the reports are filled in by the economic units covered in the survey or can be filled in via electronic statistical reporting portal “ <i>Raportare.gov.md</i> ”.
<b>4.3. Data processing and compilation</b>
<b>4.3.1. Data validation</b>
Data are verified and analyzed from quality point of view, especially the internal coherence and coherence with other data.
<b>4.3.2. Compilation/extrapolation of data</b>
Data are not compiled.

#### **4.3.3. Adjustments**

No adjustments are made.

#### **4.3.4. Quality assurance**

The quality of statistical data is assured by observing the Fundamental Principles of Official Statistics adopted by the UN General Assembly on 29 January 2014, as well as those set forth in the national Law on Official Statistics no. 93 of 26 May 2017.

In its activity of producing statistical information, NBS pays huge importance to ensuring high quality of data. In this respect, a number of measures for quality assurance are carried out at every stage of the statistical process: organization of statistical surveys, collection, processing, and development of statistical information.

Important efforts are undertaken to ensure the plenitude and quality of data presentation by the respondents included in the statistical surveys.

Errors, inconsistencies, and suspicious data are brought to light so as to be verified and corrected.

The primary data are verified and analyzed from internal coherence point of view (within the questionnaire), temporal coherence (with data from previous periods), with data of other similar units, as well as with data available from other statistical surveys and administrative data sources. The missing or inconsistent data are imputed, if needed.

To ensure the quality of the primary data, meetings (seminars) are organized with interviewers – respondents for explaining the definitions, the correct way to fill in the questionnaires, especially when they are modified or implemented.

#### **4.4. Data accuracy**

##### **4.4.1. Non-response rate**

Not applicable.

##### **4.4.2. Sampling errors**

Not applicable.

### **5. Comparability and Coherence**

#### **5.1. International comparability**

European Union Regulations No. 1165/1998 and 1158/2005 on short term indicators.

#### **5.2. Comparability over the time**

Indicators on construction works' volume increase/decrease rhythm, the values from the current period as against the respective period of the previous year are comparable with the data series from the previous years.

#### **5.3. Coherence with other statistics**

The data of the statistical surveys "Short-term indicators in constructions" and "Construction activity" are not correlated with other statistics.

### **6. Institutional Mandate (normative-legal basis)**

The NBS activity is based on respecting the Republic of Moldova Constitution, the Law on Official Statistics No. 93 dated 26.05.2017, other legislative and normative acts, NBS management decisions and orders.

The Law on Official Statistics regulates the organization and operation of the unique system of official statistics, establishing the general principles for collecting, processing, centralizing, diminishing, and stocking statistical information (art.1).

Art. 5 of the Law provides that the production of statistical information is based on respecting the following principles: impartiality, objectiveness, relevance, transparency, confidentiality, cost-efficiency etc.

Being the central statistical body, the National Bureau of Statistics is an administrative authority created under the Government for leading and coordinating the activity in the statistics area.

In accordance with Government Decision 935 of 24.09.2018 on the organization and operation of the NBS, the Bureau exercises the following tasks:

- 1) Coordinates the national statistical system on the development and production of official statistics;
- 2) Elaborates and implements strategies for the development of the national statistical system, annual and multiannual statistical programs;
- 3) Elaborates the normative and institutional framework necessary for the achievement of the strategic objectives in its field of activity, as well as the mechanisms for their implementation in practice;
- 4) Performs the management and control of the achievement in quality conditions of the programs and statistical plans adopted at central and regional level;
- 5) Harmonizes and aligns national statistical indicators, methodologies, methods and techniques with international regulations and standards;
- 6) Promotes the statistical culture in the society.

The legislative and normative acts ruling the activity of the NBS are available on its official page [www.statistica.gov.md](http://www.statistica.gov.md), under About NBS <http://www.statistica.gov.md/pageview.php?l=en&idc=323&>

## 7. Confidentiality

### 7.1. Principles

According to art. 19 of the Law on Official Statistics No. 93 dated 26.05.2017, producers of official statistics shall take all regulatory, administrative, technical and organizational measures to protect confidential data and prevent their disclosure.

Chapter VII of the above-mentioned law stipulates that the data collected processed and stored for the production of statistical information are confidential if they allow the direct or indirect identification of the respondents. ) The following shall not be considered confidential:

- a) data that can be obtained from publicly accessible sources according to the legislation;
- b) individual data on address, telephone, name, type of activity, number of employees of legal entities and individual entrepreneurs;
- c) data referring to public enterprises, institutions and organizations funded from the budget, submitted at the request of the public administration authorities.

According to the Law on Official Statistics, art. 20, access to confidential information is granted to the persons who, according to their official functions, participate in the production of statistical information shall have access to individual data in so far as individual data are necessary for producing this information.

The same article stipulates that the access to individual data, which do not allow the direct identification of respondents, may be given for scientific survey projects, whose expected results do not refer to identifiable individual units, under the regulation approved by the central statistical authority.

Art. 23 (5) of the Law stipulates that the statistical information cannot be disseminated to users if it refers to 1-3 statistical units.

### 7.2. Practical assurance of the confidentiality rules

To ensure the protection of confidential statistical data in compliance with the Law on Official Statistics No. 93 dated 26.05.2017, the National Bureau of Statistics undertakes all the regulatory, administrative, technical, and organizational measures to protect the confidential statistical information and prevent its disclosure.

In compliance with the above-mentioned law, the employees of producers of official statistics, including temporary employees who, according to their official functions, have direct access to individual data shall be obliged to observe the confidentiality of these data during and after termination of employment.

Before being disseminated, the statistical data are verified if they meet the protection requirements set for



confidential data. If the statistical data contain confidential information (see p. 7.1), they are not disseminated, but aggregated at the minimum available level which ensures the protection of data confidentiality.

## 8. Access to Information and Dissemination Format

### 8.1. Access to information

#### 8.1.1. Calendar of statistical publications

Annually the Advance release calendar is developed by NBS.

#### 8.1.2. Access to the calendar of statistical publications

The press release calendar is posted on the NBS official page [www.statistica.gov.md](http://www.statistica.gov.md).

#### 8.1.3. Access to statistical data

According to the Law on Official Statistics No. 93 dated 26.05.2017, art. 23:

- a) Producers of official statistics shall be obliged to disseminate the statistical information within the deadlines specified in the programme of statistical works and in the press-release calendar.
- b) The dissemination of statistical information laid down in the programme of statistical works to all categories of users shall be made free of charge and under equal access conditions in terms of volume, quality and time of dissemination

The program of statistical work may be accessed on the web page [www.statistica.gov.md](http://www.statistica.gov.md), under About NBS / legislative and normative acts <http://www.statistica.gov.md/pageview.php?l=en&idc=323&>

The NBS web page [www.statistica.gov.md](http://www.statistica.gov.md) represents the most important information source for ensuring users' access to different statistical information and transparency about the NBS activity.

All the operative information, informative notes, time series, as well as the statistical publications developed by NBS are placed on its official web page.

### 8.2. Dissemination format

#### 8.2.1. Operative information / Analytical notes

The operative information and analytical notes are published on the official page of NBS: <http://www.statistica.gov.md> under Press Releases, according to the Press Release Calendar.

#### 8.2.2. Publications

Statistical publications: Statistical Yearbook, Territorial statistics, Statistical pocket-book "Moldova in figures", Quarterly statistical bulletin.

Access to publications:

- in electronic format, on NBS official page [www.statistica.gov.md](http://www.statistica.gov.md), under Products and services / Publications <http://www.statistica.gov.md/pageview.php?l=en&idc=350&nod=1&>
- in hardcopy format – in NBS library (more details at the address <http://www.statistica.gov.md/libview.php?l=en&idc=340&id=2400>)
- or may be bought at the NBS office (more details at the address [www.statistica.gov.md](http://www.statistica.gov.md), under Publications <http://www.statistica.gov.md/pageview.php?l=en&idc=350&id=2219>)

#### 8.2.3. Databases/time series

- **Statistical databank** <http://statbank.statistica.md>, under Economic statistics / Construction/ Construction activity

- **NBS official page:** <http://www.statistica.gov.md> under:

- *Press Releases*
- *Statistics by themes / Economic statistics / Constructions*
- *Products and Services / Publications*

#### 8.2.4. Questionnaires/data sent upon request from international organizations

Not sent.



### 8.2.5. Requests for additional data

NBS makes available for users additional statistical information beyond the data presented in the statistical publications, informative notes, operative information, as well as the data placed on the official web page in the limits of available information, in line with the Law on Official Statistics. Request can be sent personally, by post, by e-mail [moldstat@statistica.gov.md](mailto:moldstat@statistica.gov.md) or via online web form – [www.statistica.gov.md](http://www.statistica.gov.md) heading Products and services / Statistical data request  
[http://www.statistica.gov.md/solicitare\\_informatii\\_statistice.php?l=en](http://www.statistica.gov.md/solicitare_informatii_statistice.php?l=en)

## 9. Useful References (links)

### 9.1. Accessibility of documentation on methodology

The methodology is available on the official page [www.statistica.gov.md](http://www.statistica.gov.md), under Metadata  
<http://www.statistica.gov.md/pageview.php?l=en&idc=351&nod=1&>

### 9.2. Accessibility of documentation on Evaluation Reports

The NBS assessment reports are available on the official page [www.statistica.gov.md](http://www.statistica.gov.md), under About NBS / Assessments and Opinions on NBS / Assessment Reports  
<http://www.statistica.gov.md/pageview.php?l=en&idc=399&id=2739>

### 9.3. Accessibility of information on user surveys

User surveys are available on the official page [www.statistica.gov.md](http://www.statistica.gov.md), under About NBS / Assessments and Opinions on NBS / User Surveys  
<http://www.statistica.gov.md/pageview.php?l=en&idc=399&id=2740>

### 9.4. Other useful references

IMF Special Data Dissemination Standard (SDDS)	<a href="http://www.statistica.gov.md/SDDS/?lang=en">http://www.statistica.gov.md/SDDS/?lang=en</a>
EUROSTAT database	<a href="http://ec.europa.eu/eurostat/data/database">http://ec.europa.eu/eurostat/data/database</a>
UNData database	<a href="http://data.un.org/Browse.aspx">http://data.un.org/Browse.aspx</a>
UN Economic Commission for Europe database	<a href="http://w3.unece.org/pxweb/Dialog/">http://w3.unece.org/pxweb/Dialog/</a>