

# Construction Activity on Contract Basis

Metadata

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

## 1. Contact Information

### 1.1. Responsible subdivision within NBS

#### Industry, Energy, and Constructions Statistics Division

Investments and Constructions Statistics

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## 2. Metadata Update

### 2.1. Last certification of metadata

29.01.2018

### 2.2. Last update of metadata

29.01.2018

## 3. Statistical presentation

### 3.1. General description

The construction activity represents the branch 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 basic profile of the executing unit's activities, the construction works may be carried out:

- on contract basis, by the economic units with their main activity "Constructions";
- on own initiative basis, with own forces, by the economic units with their main activity in other areas; the construction works carried out by the population with their own forces in their dwellings are also considered to be construction works on own initiative basis.

According to the Classifier of Activities in Moldova Economy (CAEM, rev. 2 (*Clasificatorul Activităților din Economia Moldovei in Romanian*), section F, divisions 41 – 43), the activity of constructions on contract basis 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 constructions equipment with the afferent service personnel.

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

The statistical surveys “Short-term indicators in constructions” and “Construction Activity on Contract Basis” 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, repair, and maintain the existing ones.

*Total value of construction works* covers the value of such works as: new constructions, capital and current repairing, and maintenance works for existing buildings and constructions, performed by economic units with their main activity “Constructions”. This indicator refers to the finished construction works by physical stages, accepted by the beneficiary for payment.

*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 reparation works* represents the value of the set of works performed for existing constructions, after the expiration of the entire functioning cycle provided in the technical norms and which aim to ensure the maintenance of the constructions’ technical-economic characteristics during the entire standards service duration.

*Value of maintenance and current repairing works* represents the set of operations (painting, coloring, repairing some insignificant parts, etc.) performed for an existing construction to ensure the continuity of its usage, hindering the rapid dilapidation, and prolonging the operational duration.

*Construction works* may be performed for residential buildings, non-residential buildings, as well as for engineering constructions.

*Building* is the permanent construction which is built on the soil, representing an integral construction from constructional and architectural point of view, isolated from space point of view or detached from other building through external walls, having its own roof and separate entrance.

*Residential buildings* are meant exclusively or mainly for dwellings (over 50% from the dwelling space or from the built volume is used for living). The buildings for collectivities (orphanages, asylums for elderly persons, hostels) are considered to be residential buildings.

*Non-residential buildings* are meant exclusively or mainly for other purposes than residential ones. The administrative buildings and other buildings are part of this category. Other buildings include: hotels, wholesale and retail trade buildings, transport and communications buildings, industrial and agricultural buildings, buildings for education, science, art, health, sport, and recreation, etc.

*Engineering constructions* represent the constructions which do not meet the characteristics for buildings and which aim to create conditions for carrying out production activities, services or social-cultural activities (roads, railroads, bridges, stadiums, etc.).

*Construction-assembling works* include:

- works regarding the construction, reconstruction, extension, technical re-equipment of permanent and temporary constructions and works for assembling construction from steel concrete, wood, etc.;
- works regarding the construction of external and internal networks of supplying water, sewerage, heat, gas, electricity, construction of installations for environment protection against pollution;
- works for installing technical and sanitary equipment;
- works for building petrol and gas pipes, electricity transportation through cables and airlines, telecommunication lines, works for building bridges and quays, works for repairing technical roads, diving works and other special construction works;
- construction works of the base, foundation and support-constructions for equipment, works for building in and padding boilers, ovens, and other installations;
- engineering works for preventing land erosion, landslips, avalanches, etc.;
- works for improving, preparing, and planning the construction territory and other non-listed

construction works, which are set forth by the regulation and normative acts in force.

*Other works performed on contract basis include:*

- technical-cultural works;
- works for re-cultivation of the land plots and primary improvement of the agricultural areas;
- construction and restoration works;
- 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;
- drilling works – aeration for performing research in constructions and other works.

*The following is not included in the value of construction works on contract basis:*

- the value of works performed to evacuate the scrap and to repair the non-qualitative construction-assembling works;
- the value of the assembled and reassembled equipment, as well as the value of the spare parts, which were procured or manufactured on the site to complete the equipment;
- production and services of auxiliary production units and service units;
- value of the pieces procured or manufactured on the site, blocks, constructions, construction material which are not yet used in work;
- transfer of advance payments from beneficiaries;
- means transferred to contracted organizations from the beneficiaries for developing production basis and creating social infrastructure;
- value added tax;
- value of the services related to renting machinery, mechanisms, mechanical tools, mobile workshops, and other equipment (without service personnel) to construction-assembling organizations;
- value of the loading – unloading works and other auxiliary works performed outside the construction site (for instance: for auxiliary production units and service units of the contracted organizations at the storage facilities, by enterprises, organizations, institutions), as well the work of machinery and construction mechanisms in quarries and other industrial enterprises, transportation companies, and auxiliary production units.

The construction works are grouped and presented:

*- according to the following structural elements:*

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

*- according to the following types of constructions:*

- residential buildings;
- non-residential buildings;
- engineering constructions.

### **3.2.2. Unit of measurement**

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

Indicators on: increase/decrease rhythm of the construction works volume, structure of contracted works by ownership forms, structure of construction works by elements and types of constructions are expressed

in percentage (%).	
<b>3.2.3. Formula of calculation</b>	
Increase/decrease rhythm of the construction works volume	$R_{LC} = \frac{\frac{LC_n}{K_{iplcm}}}{LC_{n-1}}, \text{ where:}$ <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 contracted works performed in average per organization	$LC_{med} = \frac{LC}{N_o}, \text{ where:}$ <p><math>LC_{med}</math> – volume of contracted works performed in average per organization;</p> <p><math>LC</math> – value of performed contracted works (in current prices);</p> <p><math>N_o</math> – number of organization, which have performed contracted works during the reported period</p>
Structure of performed contracted 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 contracted works by ownership forms;</p> <p><math>LC_i</math> – value of contracted works for an ownership form</p>
Structure of construction works by structural 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 structural elements;</p> <p><math>LC_s</math> – value of construction works for one structural element</p>
Structure of construction works by types of constructions	$LC_{(t)} = \frac{LC_t}{\sum_{t=1}^n LC_t} * 100 \% , \text{ where:}$ <p><math>LC_{(t)}</math> – structure of construction works by types of construction;</p> <p><math>LC_t</math> – value of construction works for one type of constructions</p>
<b>3.3. Used classifications</b>	
<b>Classifier of Economic Activities in Moldova rev.2</b> (CAEM- Clasificarea Activităților Economiei Moldovei in Romanian), harmonized with NACE rev.2, approved via NBS Collegium Decision no. 20 dated 29.12.2009.	
<b>Classifier of Administrative-Territorial Units of the Republic of Moldova</b> (CUATM-Clasificatorului unităților administrativ-teritoriale al Republicii Moldova in Romanian), approved via Moldova-Standard Department Decision no. 1398-ST dated 03.09.2003,with subsequent amendments.	
<b>3.4. Scope</b>	
<b>3.4.1. Sector coverage</b>	
The statistical surveys “Construction Activity on Contract Basis” includes the economic units with the main activity “Constructions”; which corresponds to the Classifier of Economic Activities in Moldova	

(CAEM rev.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 on constructions are disaggregated by:</p> <ul style="list-style-type: none"> <li>– total country;</li> <li>– regions (Chisinau municipality, North, Center, South, ATU Gagauzia);</li> <li>– rayons;</li> <li>– ownership forms;</li> <li>– structural elements;</li> <li>– types of constructions.</li> </ul> <p><u>More details see in point 3.3</u></p>
<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>
Disseminated data are preliminary for the reported period (n) and final for the basic period (the respective period of the previous year (n-1)).
<b>3.9. Period of reference</b>
The period of reference is quarter and the year.

<b>4. Data Collection and Processing</b>
<b>4.1. Data source</b>
<b>4.1.1. Statistical surveys</b>
The statistical surveys “Short-term indicators in constructions” (CONS TS) and “Constructions Activity on Contract Basis”(1-CC)
<b>4.1.2. Administrative sources</b>
Not used.
<b>4.1.3. Estimations</b>
Not applicable.
<b>4.2. Characteristics of the statistical survey</b>
<b>4.2.1. Objective and background</b>
The main objective of the statistical surveys “Short-term indicators in constructions” and “Constructions

Activity on Contract Basis” is to determine the value of the constructions 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 constructions activity at the national economy level.

The practical organization and implementation of the statistical survey is performed by the National Bureau of Statistics through its territorial statistical divisions/sections.

The implementation of the statistical survey through the statistical report “Constructions Activity on Contract Basis” was initiated in 1997, by filling in four separate chapters, which supply necessary data to estimate the evolution trends of the constructions activity, as a national economy branch.

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.

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 under contract for whole country, by categories of works and objects.

#### **4.2.2. Statistical unit**

Enterprises with main activity “Constructions”.

#### **4.2.3. Circle of units covered in the survey**

The general collectivity of units covered in the survey’s scope is set from units surveyed:

- Annually – exhaustively
- 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.

In 2016, 1550 units were covered in the annual survey and in 2017 - 540 units in quarterly survey.

#### **4.2.4. Survey periodicity**

Quarterly

Annually

#### **4.2.5. Data collection**

Data are collected by filling in the statistical forms “Short-term indicators in constructions” (CONS TS) and “Constructions Activity on Contract Basis” (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 “*e-Reporting*”.

### **4.3. Data processing and compilation**

#### **4.3.1. Data validation**

Data are verified and analyzed from quality point of view, especially the internal coherence and coherence with other data.

#### **4.3.2. Compilation/extrapolation of data**

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 approved by the UN Economic Commission for Europe in 1992 (and Statistical Commission/UN in 1994), as well as those set forth in the Republic of Moldova Law on Official Statistics No. 93 from 26.05.2017.

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 "Constructions Activity on Contract Basis" 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 line with the Government Decision No. 1034 dated 29.12.11 on approval of the NBS Regulation and the Nominal Composition of the NBS Collegium, the National Bureau of Statistics:

- develops alone or jointly with other central administrative authorities and approves the methodologies for statistical surveys, as well as the methodologies for calculating statistical



indicators, in line with the international standards, especially the EU standards, and with the advanced practice of other countries, and taking into account the peculiarities of the social-economic conditions of the Republic of Moldova;

- organizes, in line with the Program of Statistical Work, approved annually by the Government, statistics surveys regarding the economic, social, and demographic situation and development of the country, carrying out collection, processing, centralization, stocking, and dissemination of statistical data;

The legislative and normative acts ruling the activity of the NBS are available on its official page [www.statistica.md](http://www.statistica.md) , under About NBS (<http://www.statistica.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 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.



<b>8.1.2. Access to the calendar of statistical publications</b>
The press release calendar is posted on the NBS official page <a href="http://www.statistica.md">www.statistica.md</a> .
<b>8.1.3. Access to statistical data</b>
<p>According to the Law on Official Statistics No. 93 dated 26.05.2017, art. 23:</p> <ol style="list-style-type: none"> <li>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.</li> <li>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</li> </ol> <p>The program of statistical work may be accessed on the web page <a href="http://www.statistica.md">www.statistica.md</a>, under About NBS / legislative and normative acts (<a href="http://www.statistica.md/pageview.php?l=en&amp;idc=323&amp;">http://www.statistica.md/pageview.php?l=en&amp;idc=323&amp;</a> )</p> <p>The NBS web page <a href="http://www.statistica.md">www.statistica.md</a> represents the most important information source for ensuring users' access to different statistical information and transparency about the NBS activity.</p> <p>All the operative information, informative notes, time series, as well as the statistical publications developed by NBS are placed on its official web page.</p>
<b>8.2. Dissemination format</b>
<b>8.2.1. Operative information / Analytical notes</b>
The operative information and analytical notes are published on the official page of NBS: <a href="http://www.statistica.md">http://www.statistica.md</a> under Press Releases, according to the Press Release Calendar.
<b>8.2.2. Publications</b>
<p>Statistical publications: Statistical Yearbook, Statistical pocket-book "Moldova in figures", Statistical Bulletin, Bulletin by Rayons, Social-Economic Situation of the Republic of Moldova.</p> <p>Access to publications:</p> <ul style="list-style-type: none"> <li>in electronic format, on NBS official page <a href="http://www.statistica.md">www.statistica.md</a>, under Products and services / Publications <a href="http://www.statistica.md/pageview.php?l=en&amp;idc=350&amp;nod=1&amp;">http://www.statistica.md/pageview.php?l=en&amp;idc=350&amp;nod=1&amp;</a></li> <li>in hardcopy format – in NBS library (more details at the address <a href="http://www.statistica.md/libview.php?l=en&amp;idc=340&amp;id=2400">http://www.statistica.md/libview.php?l=en&amp;idc=340&amp;id=2400</a> )</li> <li>or may be procured at the NBS office (more details at the address <a href="http://www.statistica.md">www.statistica.md</a>, under Publications <a href="http://www.statistica.md/pageview.php?l=en&amp;idc=350&amp;id=2219">http://www.statistica.md/pageview.php?l=en&amp;idc=350&amp;id=2219</a> )</li> </ul>
<b>8.2.3. Databases/time series</b>
<ul style="list-style-type: none"> <li><b>Statistical databank</b> <a href="http://statbank.statistica.md">http://statbank.statistica.md</a> , under Economic statistics / Constructions/ Constructions under contract</li> <li><b>NBS official page:</b> <a href="http://www.statistica.md">http://www.statistica.md</a> under: Press Releases, Statistics by themes / Investments in long term tangible assets and Constructions, Products and Services/ Publications;</li> </ul>
<b>8.2.4. Questionnaires/data sent upon request from international organizations</b>
Not sent.
<b>8.2.5. Requests for additional data</b>
<p>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 or via online web form – <a href="http://www.statistica.md">www.statistica.md</a> heading Products and services / Statistical data request <a href="http://www.statistica.md/solicitare_informatii_statistice.php?l=en">http://www.statistica.md/solicitare_informatii_statistice.php?l=en</a></p>

## 9. Useful References (links)

### 9.1. Accessibility of documentation on methodology

The methodology is available on the official page [www.statistica.md](http://www.statistica.md) , under Metadata (<http://www.statistica.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.md](http://www.statistica.md) , under About NBS / Assessments and Opinions on NBS / Assessment Reports (<http://www.statistica.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.md](http://www.statistica.md) , under About NBS / Assessments and Opinions on NBS / User Surveys (<http://www.statistica.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.md/SDDS/?lang=en">http://www.statistica.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>