

ANNUAL SURVEY ON CONSUMPTION OF CONSTRUCTION AND POWER MATERIAL

LEGAL BASIS

Истраживање се спроводи на основу Закона о званичној статистици („Сл. гласник РС“, бр. 104/2009), и Програма званичне статистике у периоду од 2016. до 2020. Године („Службени гласник РС“ бр. 55/15).

METHODOLOGICAL BASIS

Aim of the statistical survey

Considering versatile materials and services consumed in construction, this survey is important as it enables better understanding of huge part of reproductive materials' market and numerous characteristics of construction technology. Therefore, the aim of the survey is providing information related to level and structure changes of consumption in construction. This aim is realized by collecting the data on consumption of construction and power material (for over 100 versatile types/ sorts).

Reporting units and statistical units

Reporting units are legal units that, during the reporting year, performed works on new construction, extension, reconstruction, adaptation, modernization, huge repairs and regular maintenance. The statistical units are the enterprises and kind of activity units (KAU).

Contents of the statistical survey

The survey encompasses the data on quantities of built in construction and power materials, value of such materials, quantity of stocks at the end of the reporting year and average prices of consumed materials. The referent material is grouped by sorts/ types.

Method, time and sources for data collecting

Data are collected annually (applied is questionnaire GRADJ-13).

Obligation to protect individual data

Obligation of individual data protection is based on article 3 of the Provision on protection of data suppliers/ providers, articles 44, 45, 46, 47, 48 and 49 of the Provision on confidentiality of the Law on Official Statistics („Official Gazette of RS“, No 104/2009).

List and definitions of main items- indicators

Material for which the data are collected is grouped as follows:

1. building elements,
2. elements for ceilings and arches,
3. prefabricated elements and finished constructions,
4. binding material,
5. aggregates and profiled material of stone,
6. reinforcing and attaching material,
7. timber,
8. insulating material and coatings,
9. roofing material,
10. material for floor and wall covering,
11. material for plumbing, sewerage system, heating and ventilation,
12. material for power supply installations,
13. other material and elements for incorporating, and
14. consumed power material.

Material of each group is further divided into sub-groups. For example, the group building elements involves the following materials: solid brick, perforated brick, brick facade- solid, hollow clay blocks, façade blocks, brick and blocks- based on cement, slag and dross and brick and blocks made of other materials (kermesite, "siporex", etc.).

Regarding each of the listed materials, the following data are entered in the questionnaire: data on consumed quantities, values, stocks and average price. Quantity of built- in, i.e. consumed material is expressed in corresponding units of measure as printed in the form. It is particularly significant to present data on quantities of really consumed material in the reporting period and not purchased material.

In case there is any difference between units of measure as presented in the questionnaire and units in which materials are expressed in the records of enterprises, they are to be re-calculated according to the standards used in practice. A block of non-standardized form is calculated into the standard size on the basis of its volume. If it can be replaced with three standard bricks (dimensions 25 h 12 h 6.5), the number is to be multiplied by three.

In case the reporting unit records gasoline and diesel in liters, calculation into tons is done according to the following coefficients: 1 liter of gasoline = 0.741 kg; diesel: 1 liter D-1 = 0.822 kg; 1 liter D-2 = 0.839 kg.

Value of incorporated, i.e. consumed material is expressed at actual/ real prices, based on the invoice. In case an enterprise records purchased and used material at preliminary prices, it is to be expressed at real prices. Value of the material also involves transport costs to the main storage of the reporting unit or to the construction site.

Quantity of stocks as of the end of the year presents unincorporated material, including both the material on construction sites and material returned to central storage.

Average price in RSD is calculated by dividing value of consumed material by quantity of consumed material, as it is defined in the questionnaire.

Level of data representativeness (*territorial and CA*)

Data are available for the Republic of Serbia, Central Serbia and AP Vojvodina.

Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available certain data relative to AP Kosovo and Metohia and therefore these data are not included in the coverage for the Republic of Serbia (total).

Harmonization with international recommendations, standards and practice

List of materials was revised and adjusted in 2002, aiming at modernization and harmonization with the new Nomenclature of Industrial Products. The mentioned changes did not affect the time series comparability.

DESCRIPTION OF THE SURVEY MANAGEMENT

Bodies in charge of the survey management (*responsible producer of official statistics*)

The Statistical Office of the Republic of Serbia, Statistical Section of AP Vojvodina and regional departments of the Office, as well as the Institute for Informatics and Statistics of the city of Belgrade and perpetrators of the survey, i.e. responsible persons in the reporting units are in charge of preparation and implementation of the survey.

Obligation to provide data

The obligation to provide data is laid down in Article 26 of the penalty provision relative to the refusal of providing data or providing incomplete and false data according to Article 52 of the Law on Official Statistics ("Official Gazette of RS", No 104/2009).

Timetable of the main phases of the survey (*including data publishing*)

The reporting units are due to deliver the completed questionnaire GRADJ-13 to the relevant statistical authority not later than May 1st (with the data for the previous year).

- Regional departments and the Institute for Informatics and Statistics of the city of Belgrade are to send the inputted and examined questionnaires to SORS not later than July 1st, and regarding Statistical Section of AP Vojvodina, deadline is August 1st.
- Results are to be designed not later than September 15th.

SURVEY TOOLS

Questionnaire

Questionnaire on annual consumption of construction and power materials (GRADJ-13) is used for conducting the annual survey.

Instructions for filling the questionnaire

Reporting unit completes a questionnaire for all construction material incorporated in the constructions on which the unit performed works, meaning all consumed material, regardless of the fact whether the reporting unit has purchased the material by itself, by investor or has produced it.

The questionnaire does not include material from the records or material provided to some other enterprise, as well as previously used material (e.g. from demolished constructions).

Consumption of construction and power material is shown for whole construction enterprise that submits the report, including the consumption of electricity and fuel for common services. Enterprises not belonging to the section of construction present consumption of the material only for their business units that perform construction works, as well as the consumption of power and other material used for own purposes.

Data on all printed sorts of material are filled in the table, on the basis of the records, disregarding whether the reporting unit purchased the material, obtained it from the investor or produced it by itself. If the provided data relate to prefabricated element or e.g. mortar and concrete, materials used for their production are not to be presented (cement, sand, gravel, etc.).

If a reporting unit, due to some specific characteristics of its work, records significant consumption of certain materials not listed in the questionnaire, it has to note it in the form, in the table placed at the end of the questionnaire "material, consumed in huge quantities but not listed in the form".

List of nomenclatures and classifications used in the survey

(with the information where to obtain them)

- Classification of Activities CA (2010): register of enterprises, institutions and other legal entities, register of shops, Statistical Office of the Republic of Serbia, Official Gazette, 1997.
- Nomenclature of Industrial Products, Methodologies and Standards, book 1, 2003.

Classifications are also available on the website of the Statistical Office of the Republic of Serbia (www.stat.gov.rs).

List of publications in which the methodology and the survey results can be found

(in printed form and/or in scope of internet presentation)

Detailed methodological notes of this survey can be found in SORS edition – Methodologies and standards: Annual survey on consumption of construction and power material, book no. 24/2007.

Processing results of the survey on consumption of construction and power material are published in Statistical Yearbook of Serbia, as well as on the website of the Statistical Office of the Republic of Serbia.

Contact person – Dejana Đorđević, ext. 260