

MONTHLY SURVEY OF INDUSTRY

LEGAL BASIS

The survey is regulated by the Law on Official Statistics ("Official Statistics of RS", No 104/2009) and Program of Official Statistics of the Republic of Serbia over 2016-2020 ("Official Gazette of RS", No 55/2015).

METHODOLOGICAL BASIS

Objective and scope of the survey

Calculation of the index of physical volume of industrial output and index of finished product stocks in industry.

Survey coverage

Two questionnaires are used for the collection of data on industrial production output:

- Questionnaire IND-1, which serves the purpose of collecting data on the total produced quantities, sub-contracted produced quantities, quantity of stocks at the end of the reporting months and on sold industrial products from the beginning of the current year;
- Questionnaire for small-size business entities IND-1 sample, which serves the purpose of collecting data on monthly basis as regard the income generated by the sale of own products and services of producers belonging to the section "Manufacturing".

Reporting units and statistical units (coverage)

Reporting units are enterprises. Observational units are enterprises registered in sections B (mining and quarrying), C (manufacturing) and D (electricity, gas, steam and air conditioning supply) of the Classification of Activities CA (2010), as well as kind of activity units (KAU) of non-industrial enterprises performing industrial activity.

The questionnaire IND-1 is used to monitor the observational units, which makes at least 80% of turnover for NACE Rev. 2 divisions 05 to 35. The survey used for those observational units with less than 50 employees, which are not covered by the questionnaire IND-1, is a sample-based one that is carried out by using the questionnaire IND-1 sample. Stratification criteria are the amount of turnover generated by the sale of products and services, as well as the activity division.

Method, period and sources for data collection

Data are collected on monthly basis by means of interview method. The reporting units should send the filled out questionnaires to the Statistical Office not later than the 8th in the month for the previous month. The monthly questionnaires IND-1 and IND-1 sample are used for that purpose and are available on the website of the Statistical Office of the Republic of Serbia www.stat.gov.rs.

Data sources are accounting, warehouses and other records and documentation available in the reporting units.

Obligation to protect personal data

The obligation to protect personal data is laid down in Article 3 of the Provision on the protection of data providers, and Articles 44, 45, 46, 47, 48 and 49 of the Provision on the confidentiality of the Law on Official Statistics ("Official Gazette of RS", No 104/2009).

List and definition of main concepts - indicators

- **Product** – outcome of an industrial activity. It is defined in the Nomenclature of Industrial Products. The concept itself is used in general terms, both for physical products and industrial services. A finished product is meant to be any product that has reached a corresponding processing level, thus being indicated in the Nomenclature under a separate code and description. A product is finished when its quality is checked by the quality control unit in the factory or elsewhere. Rejects are not considered finished products.
- **Total production** – it is recorded for the reference month and the period that extends from the beginning of the year to the end of the reference month on the territory of the Republic of Serbia. The total production for the reference month is the quantity of products finished in the month to which the questionnaire refers to although for selected business entities the month in which a product is anticipated to be finished is not that when the product is fully finalized.
- **Stocks of products at the end of the reference month** – they are recorded according to the Nomenclature of Industrial Products for all products whether they are produced in the reference month or in the preceding period of the current or previous year.
- **Sale of products** – are to be recorded the quantities of products being delivered away of the reporting companies and for which an invoice has been delivered. They are indicated as cumulates – sums of sales from the beginning of the year to the end of the reporting month.
- **Income from own products and services** – item 61 of the Rulebook on Account Item Frame).
- **Industrial production index** – it shows the quantity, expressed in percentages, of industrial products/services more or less produced in the current period on a selected territory. Therefore, the industrial production index indicates change trends in the evolution of industry and the dynamics of its production over shorter time intervals. The industrial production index is calculated in two phases according to Laspeyre's formula: 1) indices for classes, groups and divisions are calculated on the basis of data on quantities, which are collected monthly, and on the basis of weights by products/services. The weight for the product is the value added per unit of measurement for the product. 2) the index for the overall industry, sections, and Main Industrial Groupings (MIGs) is calculated on the basis of the index of divisions and weight by divisions. The weight for divisions is the percentage of value added of the overall industry. Weights for divisions and products are corrected once a year. Complete weight change is done once in five years, but in the event of specific difficulties in the economy and society the cited period may be longer. The last general weight revision has been performed on the basis of 2010 data.
- Data on the economic activity of a set of business entities, which are not covered by the survey IND-1, serves the purpose of estimating the monthly index of production trends for that set and the purpose of correcting the monthly industrial production index of manufacturing and overall industry.
- The industrial production index for the overall industry and manufacturing is seasonally adjusted by X13-ARIMA method.
- **Index of stocks of finished products** in industry indicates the trend of changes in stocks over shorter time intervals.

Level of representativeness (*territory and CA*)

Data refer to:

- Total industry; sections B (Mining and Quarrying), C (Manufacturing) and D (Electricity, gas, steam and air conditioning supply); divisions 05-35 of the Classification of Activities CA (2010) and Main Industrial Groupings (MIGs): energy, intermediate goods, capital goods, durable consumer goods and non-durable consumer goods.
- Territory of the Republic of Serbia and AP Vojvodina. The statistical Office of the Republic of Serbia has no available data for Kosovo and Metohia, therefore they are not included in the data for the Republic of Serbia (total).

Harmonization with international recommendations, standards and practice

- The methodology for the calculation of industrial production complies generally with the recommendations of Eurostat because Laspeyre's formula and multiple-phase weighting system are used.
- Full compliance will be achieved with the introduction of the three weighting phases (weights for products, groups and divisions).

As the Classification of Activities CA (2010), which has been harmonized with the European classification of activities *NACE-rev2*, the results of the survey IND-1 comply with those of EUROSTAT.

DESCRIPTION OF THE SURVEY MANAGEMENT

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

- Statistical Office of the Republic of Serbia: Unit of Industry Statistics in Belgrade, Division of Statistics in the Sector of Statistics in AP Vojvodina and regional divisions in Subotica, Zrenjanin, Novi Sad, Sremska Mitrovica, Pančevo, Smederevo, Šabac, Valjevo, Kraljevo, Kragujevac, Zaječar, Niš, Leskovac and Užice.
- Belgrade City administration, Secretariat for administration, Statistics sector.

Obligation to provide data

- The obligation to provide data is laid down in Article 26, and penalty provisions in case of refusal or incorrect or incomplete data provided in 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 publication*)

- The reporting unit is requested to send the filled out questionnaire IND-1 to the relevant statistical body not later than the 8th in the month for the previous month.
- The Statistical Office of the Republic of Serbia shall publish data on industrial production the last working day in the month for the previous month.

SURVEY TOOLS

Explanatory notes on how to fill in the questionnaire IND-1

The reporting units are requested to indicate the **total production** that, having reached such a level of manufacture, can be presented in the Nomenclature of Industrial Products (NIP). The products should be indicated in all units of measurements required in the Nomenclature without decimals. If the reporting units are engaged in **sub-contracted production**, i.e. is dealing with raw materials for third parties account, it should be indicated in a separate row along with the relevant code, name, all units of measurement from the Nomenclature and a note explaining its nature.

Stocks of finished products refer to the situation at the end of the reporting month.

The sale of products is meant to be the quantities of products that are dispatched to third parties and for which an invoice has been delivered.

If in the course of the year there has been **correction of data** sent in previous months, reporting units are kindly asked to **notify** the Statistics so correction of the relevant data could be made.

(the questionnaire is available on the website of the Statistical Office of the Republic of Serbia www.stat.gov.rs).

List of nomenclatures and classifications used for the survey (*along with the information where they can be found*)

- Classification of Activities CA (2010), „Official Gazette of RS “, No 54/2010.
- Nomenclature of Industrial Products for the Monthly Survey of Industry, Methodologies and Standards, volume 65, 2016. Statistical Office of the Republic of Serbia.
- Main industrial Groupings (MIGs).

(The Classification of Activities CA [2010] and Nomenclature of Industrial Products for the Monthly Survey of Industry are available on the website of the Statistical Office of the Republic of Serbia www.stat.gov.rs)

List of publications in which survey methodology and results are published
(hard copies and/or within Internet presentations)

- Data on industrial production are published on monthly basis in the following publications: „Industrial Production Indices“, „Indices of Finished Products Stocks in Industry“ and „Monthly Statistical Bulletin“.
- Data are published on quarterly basis in Trends.
- Data are published on annual basis in the following publications “Industrial production by products from Monthly industrial survey” and „Statistical Yearbook of Serbia“.
- Statistical Database.
- Methodological Papers: „Index of the Physical Volume Industrial Output (Methodologies and Standards, volume No 10, 2005).

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

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