

QUALITY REPORT FOR STATISTICAL SURVEY

Industrial Producer Price Index in 2023

Organisation unit: Industry Statistics Department / Industrial Annual Business Statistics and
Producer Prices Unit

Prepared by: Goran Dolšak

March 2025

0. Basic information

- Purpose, goal, and subject of the survey

The survey measures the changes of producer prices of manufactured goods produced in the Republic of Croatia and sold by producers on the domestic (Croatian) and/or the non-domestic (non-Croatian) market.

- Reference period

Month

- Legal acts and other agreements

The legal basis at the national level is the Official Statistics Act (NN, Nos 25/20 and 155/23), which defines the responsibilities for the collection, processing and dissemination of data. Croatian Bureau of Statistics is the main producer, disseminator and coordinator of the system of official statistics of the Republic of Croatia. The objectives of official statistics are defined by the Official Statistics Act (NN, Nos 25/20 and 155/23). Producers of official statistics have the right to collect data from all available sources. Concepts and terms are aligned with EU concepts and terms, and especially with the Regulation (EU) 2019/2152 of the European Parliament and of the Council and the Commission Implementing Regulation (EU) 2020/1197. Statistical activities are defined by the Programme of Statistical Activities of the Republic of Croatia 2021 - 2027 and the Development Strategy of Official Statistics of the Republic of Croatia 2021 - 2030.

- Classification system

Statistical standards for the Monthly Survey of Industrial Producer Prices (IND-3/KPS/M), Nomenclature of industrial products 2021, National Classification of Activities 2007, Statistical Classification of Products by Activity in Republic of Croatia, 2015.

- Statistical concepts and definitions

Total industrial producer price index is composed of two subindices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market. Industrial producer price indices on the domestic market and the non-domestic market are calculated according to the Laspeyres formula for different levels of the NKD 2007. Individual indices for each representative product are calculated from data on prices by dividing prices of the current period by prices of the base period (December of the previous year). Aggregate indices, that is, indices of groups, divisions and sections of the NKD 2007 as well as the total industry index are calculated by a weighted arithmetic mean from individual indices according to the modified Laspeyres formula.

- Statistical units

The reporting units included in the IND-3/KPS/M Survey are selected enterprises (legal entities and tradesmen) that produce selected products.

- Statistical population

The reporting units included in the IND-3/KPS/M Survey are selected enterprises (legal entities and tradesmen) that produce selected products as defined in the Nomenclature of Industrial Products - NIP 2021, classified in the NKD 2007 activity sections B Mining and quarrying, C Manufacturing, D Electricity, gas, steam and air conditioning supply and E Water supply, sewerage, waste management and remediation activities (only division 36).

1. Relevance

1.1 Data users

Internal - users from Croatian Bureau of Statistics.

External - national users: ministries and state administration bodies, Croatian Chamber of Economy, businesses on request and International users: Eurostat, United Nations (UN).

1.1.1 User needs

The users require detailed data of short-term industry indicators movements (specific activity) in purpose of market analysis, business monitoring and decision-making (enterprises), for research and writing academic papers (students).

1.1.2 User satisfaction

The first user satisfaction survey of the Croatian Bureau of Statistics was conducted in 2013, the second one in 2015, and the last one at the end of 2022. The results of the survey are available on the website of the Croatian Bureau of Statistics <https://dzs.gov.hr/highlighted-themes/quality/user-satisfaction-surveys/686>.

1.2. Completeness

The data are completely harmonized with the EU concepts and definitions and especially with the Regulation (EU) No. 2019/2152 of the European Parliament and of the Council and the Commission Implementing Regulation EU (2020/1197).

1.2.1 Data completeness rate

The data completeness rate is 100%.

2. Accuracy and reliability

2.1. Sampling error

The survey is based on a cut-off sample.

2.1.1 Sampling error indicators

Indicator for this survey is not applicable.

2.2. Non-sampling error

The errors in estimations which can not be linked to the sample selection is the non-response rate (approximately 2,4 %). In that case, the data are estimated but without affecting the key results.

2.2.1. Coverage error

In order to collect data on industrial producer prices on the domestic and the non-domestic market, the IND-3/KPS/M Survey for 2023 covers a representative sample of industrial products at the level of covered activity classes of the NKD 2007, that is, all products exceeding 3 million EUR on the domestic market and 2 million EUR on the non-domestic market according to the results of the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2021, while the selection of enterprises has been done according to their share in the production of selected products, separately for the domestic and the non-domestic market.

2.2.2. Over-coverage rate

Indicator was not computed for this survey.

2.2.3. Measurement error

The data collection through the electronic form on the Croatian Bureau of Statistics website has highly reduce the possibility of calculation errors, incorrect codes and measurement units. Also there are incorporated various warnings when submitting a form if there is a visible oscillation between previous months. Errors by companies entering the incorrect data are also possible and these data don't pass logical-accounting control. They are resolved by contacting the person in charge of filling in the form.

2.2.4. Non-response error

In the case of non-response units, the data are estimated and they have no impact on the key results.

2.2.5. Unit non-response rate

Unweighted unit non-response rate

Domain	Domain value	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Croatia	Croatia	2,6%	3,5%	1,1%	1,6%	1,9%	1,7%	2%	1,8%	2,3%	1,3%	1,7%	2,4%	1,99%

2.2.6. Item non-response rate

Unweighted item non-response rate

Variable	Domain	Domain value	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Producer prices of industrial products	Croatia	Croatia	2,6%	3,5%	1,1%	1,6%	1,9%	1,7%	2%	1,8%	2,3%	1,3%	1,7%	2,4%	1,99%

2.2.7. Processing error

The classification according to NKD classification is taken from the annual PRODCOM Survey and Statistical Business Register (SBR). Compatibility checks of types of production and listed NKD activities for enterprises included in the research scope are performed at the beginning of each year. In this way incorrect NKD classification are reduced. Logical calculation controls are established for the data itself.

2.2.8. Imputation rate

Indicator for this survey is not applicable.

2.2.9. Model assumption error

Assessment calculating model is not used.

2.3. Data revision

2.3.1. Data revision – policy

The users of statistical data are informed about revisions on the website of the Croatian Bureau of Statistics, on the link – [General Revision Policy of the CBS](#).

2.3.2. Data revision – practice

The data are published as final and therefore are not revised.

2.3.3. Data revision – average size
Indicator for this survey is not applicable.

2.4. Seasonal adjustment

Not applied.

3. Timeliness and Punctuality

3.1. Timeliness

Data publishing: T+11 - expressed in days.

3.1.1. Time lag – first results

Time lag - first results is: T + 10,083.

3.1.2. Time lag – final results

Time lag - final results is: T + 10,083.

3.2. Punctuality

All First Releases are published on time according to the Calendar of Statistical Data Issues.

3.2.1. Punctuality – delivery and publication

Delivery and publication is: 1

4. Accessibility and clarity

Monthly Monthly First Releases, PC-Axes Databases, Annual Statistical Reports of Industry. The data are available on the Central Bureau of Statistics website in an electronic form.

4.1. News release

Monthly First Release: [IND-2023-1-1 Industrial Producer Price Index](#)

4.2. On-line database

On the Central Bureau of Statistics website under the section [PC-Axes Databases](#) and [STS Database](#).

4.3. Micro-data access

The conditions under which certain users can have access to microdata are regulated by [the Ordinance on the conditions and terms of access and use of confidential statistical data of the Croatian Bureau of Statistics for scientific purposes](#) (NN, No. 5/23).

4.4. Documentation on methodology

Description of the methodology and data sources can be found at the end of each First Release and Report: Monthly First Release IND-2023-1-1 Industrial Producer Price Index and Annual Report: Short-Term Indicators of Industry- Industrial Production, Producer Prices and Turnover of Industry.

5. Comparability over time

5.1. Asymmetry for mirror flows statistics

Not applicable.

5.2. Comparability - over time

Since 2001.

5.2.1. Length of comparable time series

Domain	Domain value	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Croatia	Croatia	157	158	159	160	161	162	163	164	165	166	167	168

5.2.2. Reasons for break in time series

Main revisions are planned every five years with the change of the reference year due to the change of National classification of Activities (NKD). So far, the year 2015 is used as a base year with no major needs for a revision.

5.3. Coherence – subannual and annual statistics

Indicator for this survey is not applicable.

5.4. Coherence – national accounts

Indicator for this survey is not applicable.

5.5. Coherence – administrative sources

Indicator for this survey is not applicable.

6. Cost and burden

6.1. Cost

Data collection is based on an online survey and according with that costs are minimal.

6.2. Burden

Response burden is greatly reduced by switching to an on-line survey by filling out an electronic form in which the main features such as name of the reporting units, product codes and units of measurement are already filled in for all months except for January.