



Agency for Strategic planning
and reforms of the
Republic of Kazakhstan
Bureau of National statistics

Quality report

*The price index of industrial products
manufacturers (goods and services)*

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S.1 Contact details

S.1.1 Organization

Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan

S.1.2 Structural subdivision

Department of price statistics

S.1.3 Name of contact person

Shemyakina Lyubov Nikolaevna

S.1.3.1 Name of the head of the responsible structural unit

Acting Head of Department - Tlepbergenova Emma Narimanovna

S.1.5 Contact person's mailing address

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S. 2 Introduction-Relevance

Price statistics - a branch of economic statistics, studying the price behavior of the subjects in the various sectors of the economy by monitoring the level of prices and their changes through a system of price indices.

Indicators of price statistics are used to assess the state of the market economy, the impact of price changes on the standard of living of the population and business activity.

The purpose of constructing the producer price index is to measure the average value of price changes for products, services, at the time of their implementation. The producer price index characterizes the change in prices for finished products manufactured by industrial enterprises and the services they provide of a production nature.

The producer price index has been formed since 1992.

The producer price index is used for: deflation of the main aggregates of the System of National Accounting; taking into account the current value and calculating indices of the physical volume of industrial production; the formation of derived statistical indicators and their individual components by other branches of statistics: coefficients of revaluation of fixed assets, price indices for equipment as part of the elements of the technological structure of construction production and others; economic monitoring, forecasting, comparisons carried out by state bodies and international organizations.

The Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan holds meetings of working groups (focus groups), with the participation of potential users and respondents, representatives of interested government agencies, as well as NPP "Atameken", which analyze in detail indicators of national statistical forms for their relevance and avoidance of duplication with indicators of departmental statistical forms and forms of administrative data.

Feedback from users is carried out through the blog of the Minister of National Economy of the Republic of Kazakhstan on the website of the Ministry of National Economy of the Republic of Kazakhstan www.economy.gov.kz.

S.3 Updating metadata

S.3.1 Latest confirmation of updated metadata

S.3.2 Latest placement of metadata

S.3.3 Latest metadata update

S.4 Presentation of statistical information

S.4.1 Data description

Producer price indices for industrial products are calculated by regions of the Republic of Kazakhstan, by types of economic activity, types of products and services, final destination, sales channels for the month by comparison periods (reporting month to the previous month, December of the previous year, to base years; month and period of the reporting year to the corresponding months and periods of the previous year).

S.4.2 Classification system

When constructing industrial producer price indices, the following classifications are used:

OKED - "General classifier of types of economic activities",

SKPP - "Directory of industrial products (goods, services)", which are posted on the website of the Bureau of national statistics www.stat.gov.kz in the section Home / Classifiers.

S.4.3 Sectoral coverage

Producer price indices reflect changes in prices for the production of goods and services for units operating in a particular class of industrial activity in accordance with the General Classifier of Economic Activities (hereinafter - OKED).

According to OKED, industrial activities are classified in sections B "Mining and quarrying", C "Manufacturing", D "Supply of electricity, gas, steam, hot water and conditioned air", E "Water supply; collection, processing and disposal of waste, activities for the elimination of pollution. "

S.4.4 Statistical concepts and definitions

Observation type is selective.

- The circle of respondents - legal entities and (or) their structural and separate subdivisions with primary and (or) secondary types of activity according to the codes of the General Classifier of Economic Activities: 05-39, 46, 70.

- Data collection toolkit - a statistical form of national statistical observation "Report on prices for manufactured industrial products (goods, services) and purchase prices for industrial products" (code 261101165, index 1-CP, monthly frequency).

- Submission deadline - up to the 17th day (inclusive) of the reporting period. The statistical form is available on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section For respondents / Statistical forms for 20__ / Monthly forms / 1-CP.

Definitions:

- 1) Aggregation - combining low-level economic indicators into larger aggregates at all subsequent levels;
- 2) registration of prices - a method of collecting information on the level of prices for goods, products, services, carried out on a sample of a representative set of basic objects;
- 3) basic object - a legal entity selected for monitoring and registering prices in it;
- 4) classification - dividing a set of objects into groups based on similarity or difference in accordance with the accepted features;
- 5) weighing - a procedure used in index calculations to obtain aggregated indicators and ensuring the commensurability of different goods that cannot be summed up directly;

6) weighing scheme - a set of weights for specific types of products, goods, services, determined by all degrees of aggregation according to the standard classification;

7) sampling - individual items from approved classifiers, nomenclatures and reference books used in the collection and processing of statistical data.

S.4.5 Statistical object

The statistical object for the producer price index is a sample network of basic objects, taking into account the geographical, sectoral coverage and market characteristics, engaged in the production of industrial products and providing industrial services of all forms of ownership, various organizational and legal forms.

S.4.6 General population (principle of selection of survey units)

National statistical observation of the prices of manufacturing enterprises for industrial products (goods, services) is carried out for a sample of basic objects, products (goods, services).

The sample set of basic objects is compiled taking into account the geographical, industry coverage and market characteristics. The general population for compiling samples of basic objects is the data of the statistical business register.

Samples of basic objects are created by combining methods of continuous and selective observation, which are used depending on the type of economic activity being surveyed and the size of industrial enterprises in terms of the number of employees in them.

Large and medium-sized industrial enterprises of the mining industries, industrial enterprises belonging to the sphere of natural monopolies, and industrial enterprises specializing in the provision of production services are covered by continuous observation.

In selecting large and medium-sized industrial enterprises in the manufacturing industry, a sampling method of observation is used, based on the "value of goods produced and services rendered". Small businesses are connected when the goods they produce are the basis for the formation of economic indicators in general for the type of economic activity.

The optimal sample size is achieved by selecting base objects with the maximum possible coverage of the main product groups identified for national statistical observation.

S.4.7 Territorial coverage

Republic of Kazakhstan (regions, cities of republican significance and the capital)

S.4.8 Time coverage

The producer price index has been formed since 1992, there are time series from 1992 to the present.

S.4.9 Base period

The construction of price indices for the corresponding month (period) of the previous year is carried out using the "basic" method. The "linkage" (linkage) of monthly price indices for a number of years is carried out among themselves in such a way that they form a sequential dynamic series having a fixed reference point or base period as a base.

The base period changes every five years.

In 2011-2015. the base period is December 2010, in 2016-2020. - December 2015 etc.

S.5 Unit of measurement

Percent

S.6 Reporting period

month

S.7 Legal basis

S.7.1 Legal framework

1. Law of the Republic of Kazakhstan dated March 19, 2010 No. 257-IV "On state statistics".
2. Rules for the provision of primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 9, 2010 No. 173.
3. Rules for the submission of administrative data by administrative sources on a gratuitous basis, approved by the order of the Acting Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 14, 2010 No. 183.
4. The plan of statistical work, approved in accordance with the established legislative procedure of the Republic of Kazakhstan by the Order of the Minister of National Economy of the Republic of Kazakhstan.
5. Schedule for the dissemination of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.

6. Rules for the provision of statistical information on a gratuitous basis that is not provided for by the schedule for the dissemination of official statistical information and developed on the basis of primary statistical data submitted by respondents in accordance with the schedule for submitting primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics of May 20, 2010 No. 113.
7. Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778.
8. "Methodology for constructing producer price indices in industry", approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated May 31, 2016 No. 98 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 13845.

S.8 Privacy and data protection

S.8.1 Privacy Policy

1. Article 8 of the Law of the Republic of Kazakhstan No. 257-IV of March 19, 2010 "On State Statistics", in accordance with which a guarantee of confidentiality and protection of the submitted data by respondents is ensured.
2. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan No. 183 dated October 29, 2015 ensures the protection of information constituting a commercial secret.
3. Information security policy (hereinafter referred to as the Policy) approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated October 31, 2016 No. 252 defines the goals, objectives, guidelines and practices in the field of ensuring information security of the Committee. The main goal of the Policy is to ensure the accessibility of official statistical information, confidentiality of information stored and processed on the computer facilities of the Committee under the conditions of its integrity and authenticity.
4. Rules for the provision of primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 9, 2010 No. 173.

S.8.2 Confidentiality - data handling

1. Rules for the provision and use of databases in a de-identified form for scientific purposes, approved by the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778.

2. Information security policy (hereinafter - the Policy) approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated October 31, 2016 No. 252 defines the goals, objectives, guidelines and practical techniques in the field of ensuring information security of the Committee. The main goal of the Policy is to ensure the availability of official statistical information, confidentiality of information stored and processed on the computer equipment of the Committee under the conditions of its integrity and authenticity.

S.9 Publication Policy

S.9.1 Publication Calendar

According to clause 1, clause 2 of Article 26 of the Law of the Republic of Kazakhstan "On State Statistics" dated March 19, 2010 No. 257, the Schedule for the dissemination of official statistical information is being formed.

S.9.2 Access to the Graph

The schedule for the dissemination of official statistical information is posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the Home / Basic documents section.

S.9.3 User access

Official statistical information is subject to dissemination in accordance with the schedule for the dissemination of official statistical information in the volumes stipulated by the statistical work plan.

State statistics bodies provide users with equal rights to simultaneous access to high-quality official statistical information and statistical methodology by posting them on the Internet resources of state statistics bodies (Website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz).

S.10 Propagation frequency

month

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

Once a month, on the 1st day of the month following the reporting month, a press release is published "On changes in prices of enterprises producing industrial products", which contains brief data on price changes for the month compared to the previous month, December of the previous year, the corresponding month and the period of the previous year, December of the base year.

S.11.2 Publications

1) Express information "On changes in prices of enterprises producing industrial products" is published monthly on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz and contains data on price indices for the republic and in the context of regions for all periods of comparison by types of economic activity, types of products, final destination.

Placed in the section Official statistics / By industries / Price statistics / Express information.

2) The statistical bulletin "Price Index of Industrial Producers" is published monthly on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz and contains data on price indices in the republic and in the context of regions for all periods of comparison by type of economic activity.

Placed in the section Official statistics / By industries / Price statistics / Bulletins.

3) Annual statistical compendium "Prices in industry" - annual data on the level and changes in prices in dynamics (monthly, quarterly) by groups, classes, types of products in general for the republic and regions are published on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz.

Placed in the section Official statistics / By industries / Price statistics / Publications.

4) Other publications of the Committee, which are posted on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz. in the section Official statistics / Publications.

5) Information and analytical system "Taldau".

S.11.3 Databases in on-line mode

IAS "Taldau" / Price statistics

taldau.stat.kz

S.11.3.1 AC1. Data tables-consultation

Not implemented.

S.11.4 Access to microdata

The rules for the provision and use of databases in a de-identified form for scientific purposes, approved by the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778.

S.11.5 Other

The producer price index is distributed by the Eurasian Economic Commission, the Special Data Dissemination Standard of the International Monetary Fund, and the Interstate Statistical Committee of the Commonwealth of Independent States.

S.11.5.1 AC2. Metadata consultation

Not implemented.

S.12 Availability of Documentation

S.12.1 Methodology documentation

«Methodology for constructing producer price indices in industry », approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan No. 98 dated May 31, 2016 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 13845. Available on the Bureau website of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz. in the section: Methodology / Price Statistics / and on the website www.adilet.kz.

S.12.2 Quality documentation

1. Policy in the field of quality, approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated April 23, 2015 No. 67.
2. Objectives in the field of quality Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan, Objectives in the field of quality of the relevant structural unit.
3. Documented information of the quality management system: Quality manual; Documented procedures; Instructions; Process maps.
4. Standard methodology for describing the process of production of statistical information by state bodies, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated March 30, 2015 No. 53.
5. Methodology for assessing the quality of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated May 23, 2018 No. 63..

S.13 Quality control

S.13.1 Quality assurance

The quality and reliability of price statistics data is supported by generally accepted procedures:

- compliance with the basic principles of primary accounting;
- use of standard statistical classifications of goods, products, services;
- at the stages of collection and processing of primary data, all control schemes (format-logical, arithmetic) have been developed and implemented;
- to confirm the reliability of primary data, the possibility of obtaining additional information from respondents is legally enshrined;
- rotation of sample sets of lists of goods, products, services and basic objects selected for price observation;
- annual revision of the weighing scheme;
- the use of uniform formulas for calculating price indices at all levels of aggregation.

S.13.2 Quality control

At regular intervals, the International Monetary Fund assesses the quality of the price index of manufacturing enterprises, the results of which are sent to the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.

The producer price index has been improved within the framework of the KAZSTAT: National Statistical System Strengthening Project.

S.14 Relevance

S.14.1 Needs

The producer price index for industrial products satisfies the needs of a wide range of users, internal (sectoral statistics bodies), external (government bodies, economists, employees of governing bodies and financial and economic services of enterprises, organizations, scientific, entrepreneurial and bank employees, faculty, students, mass media).

S.14.2 User satisfaction

On the satisfaction of users in the official statistical information, information is collected in the annual survey according to the questionnaire Q-002 "User survey". The Office of User Relations of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan reflects the results of this questionnaire and is sent annually to the offices of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.

S.14.3 Completeness / R1. Data completeness-share

Not applicable

S.15 Accuracy and reliability (to be completed according to the type of observation)

S.15.1 Overall accuracy

The accuracy and reliability of the calculated price indices of enterprises producing industrial products is ensured by carrying out an optimally chosen observation method.

The methodology for calculating the price index of industrial manufacturing enterprises is based on international standards, which lay down the requirements for the selection of basic objects, for statistical observation of prices and procedures for calculating the indicator.

S.15.2 Sample errors - indicators / A1.

Cannot be estimated due to targeted sampling.

S.15.3 Non-sampling error

Not identified

S.15.3.1 Coverage error

Cannot be estimated due to targeted sampling.

S.15.3.1.1 A2. Overcoverage-share

Cannot be estimated due to targeted sampling.

S.15.3.1.2 A3. Common units-ratio

Cannot be estimated due to targeted sampling.

S.15.3.3 No response errors

S.15.3.3.1 A4. Absence unit-fraction

The methods of calculating "notional" prices are applied in accordance with the Methodology for constructing the producer price index in industry.

The missing response rate is not calculated.

S.15.3.3.2 A5.No answer item - share

The calculation is not carried out.

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1 TP1 Waiting period - first results

The first results in the bulletin are published on the 15th calendar day after the deadline for submitting the primary statistical information by the respondents and are final. The release dates were approved and published in the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information.

S.16.1.2 TP2.Waiting Period - Latest Results

The first results are final.

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

The data are published and disseminated in accordance with the Schedule for Dissemination of Official Statistical Information, approved annually by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan. The terms of publication are set in the Plan of statistical work, approved annually by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan and registered with the Ministry of Justice of the Republic of Kazakhstan.

S.17 Comparability

S.17.1 Geographic comparability

Within the territories of the Republic of Kazakhstan.

S.17.1.1 Asymmetry in mirror flow statistics-coefficient / CC1

not

S.17.2 Length of comparable time series / CC2

The dynamic series of price indices for industrial manufacturers has been comparable and continuous since 1992.

S.18 Consistency

S.18.1 Consistency, external, cross

The main approaches to the methodology for constructing the producer price index have been agreed and developed taking into account the principles and recommendations of the Guidelines on the Producer Price Index: Theory and Practice, 2004, prepared by the International Labor Organization, the International Monetary Fund, the Organization for Economic Cooperation and Development, and the Statistical Office of the European Communities, The United Nations Economic Commission for Europe and the World Bank.

S.18.2 Internal consistency

The methodology for constructing producer price indices in industry has been agreed with all structural divisions of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.

S.19 Load

The collection of prices is carried out in electronic form and on paper at the request of the respondent.

Data collection is carried out online, in which automated arithmetic and logical controls are provided for the respondent, excluding the possibility of typical input errors.

Information processing processes are automated using local software systems, control of input and output information, procedures for imputing missing data are provided.

There is no duplication with other examinations.

No administrative data or other sources are used.

S.20 Revision of data

S.20.2 Revision of data / A6

Not applicable.

S.21 Processing of statistical data

S.21.1 Input

The construction of the price index of enterprises producing industrial products involves the use of two data streams: weight components (weighing scheme) and changes in prices for industrial products.

The weighing scheme is formed centrally for each region and the republic as a whole.

Its construction is based on the distribution of the value data of manufactured industrial products by subspecies, types, classes, groups, departments and sections included in the observation.

The use of sample sets (products (goods, services), basic objects) for price estimation makes it necessary to adjust the weights to take into account data that are not included in the producer price index.

The collection of information on changes in prices for industrial products is carried out within the framework of the statistical observation "Report on prices for manufactured industrial products (goods, services) and purchase prices for industrial products" (code 261101165, 1-CP).

S.21.2 Inspection frequency

month

S.21.3 Method (method) of collecting primary statistical data

The submission of the statistical form 1CP "Report on the prices of manufactured industrial products (goods, services) and the purchase prices of industrial products" is carried out on paper on purpose in one window, through postal communication services or in electronic form.

Filling in the statistical form in electronic form is carried out through the information system "Online data collection" posted on the Internet resource Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan (www.stat.gov.kz).

S.21.4 Reliability of primary statistical data

When entering and processing primary statistical data, formatting and logical controls of the minimum and maximum price indices are laid; comparison with the price level of the previous month, various output data controls are also laid.

In accordance with Article 17 of the Law of the Republic of Kazakhstan "On State Statistics", the respondent is obliged to provide reliable primary statistical data when conducting statistical observations in accordance with the schedule for submitting primary statistical data by respondents and with statistical methodology.

S.21.5 Imputation - share / A7

The imputation is carried out according to the Methodology for constructing producer price indices in industry.

The calculation of "conditional" prices of industrial producers is carried out on the basis of:

- 1) the relative change in prices for similar goods in the form of products;
- 2) the average change in prices for the product group, which includes the disappeared type of product;
- 3) the average change in prices for the sub-industry, the industry on average in the republic;
- 4) using the price of the last (previous) registration. The use of the price of the last (previous) registration is applied in conditions of stabilization of price dynamics, when the costs of production for the period have remained unchanged.

In case of complete termination of the production of the observed product (service) -representative in the base facility or its closure (liquidation, reorganization) during the year, the products and services are replaced. For the optimal implementation of the procedure for replacing the disappeared type of product (service) - a representative, in addition to the goods and services participating in the calculations, the monitoring of their similar types with similar specifications is additionally carried out.

S.21.6 Adjustment

Not applicable.

S.21.6.1 Seasonal adjustment

Not implemented.

S.22 Notes

Continue work to ensure the quality of statistical data.