



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

# Quality report

*Index of prices and purchase prices for  
industrial products by industrial enterprises*

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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

Mambetov Nuritdin Tanirbergenuly

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

Tlepbergenova Emma Narimanovna

### S.1.5 Postal address of the contact person

010000, Kazakhstan, Nur-Sultan, Left bank of the Ishim river, st. Mangilik el 8, House of Ministries, 4 entrance

### S.1.6 E-mail address of the contact person

n. mambetov@economy.gov.kz

### S. 1.7 Telephone number of the contact person

+ 7 (7172) 74-95-33

## S. 2 Introduction-Relevance

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

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

The purpose of constructing the acquisition price index is to measure the average price change for industrial and technical products at the time of their acquisition, which takes into account the prices of products (goods) and services purchased by industrial enterprises as intermediate products, both domestic production and imported.

The acquisition price index characterizes the change in prices for industrial and technical products required by industrial enterprises for the production process and purchased by them.

Acquisition price - the price of a specific type of product (service) for industrial and technical purposes, taking into account value added tax, transport, trade and marketing, intermediary and other costs.

The purchase price index has been formed since 1996.

The purchase price index meets the needs of the System of National Accounts in order to determine the main aggregates (for calculating gross capital formation, revaluation of inventories and working capital). Data on changes in these prices are used to analyze profits and the relationship between the dynamics of prices for factors of production and finished goods.

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](http://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

The price indices for the acquisition of products for industrial and technical purposes by industrial enterprises are calculated by regions of the Republic of Kazakhstan, by types of economic activity, by types of products, by purchase channels, by comparison periods (the reporting month to the previous month, December of the previous year, to base years; month and period the reporting year to the corresponding months and periods of the previous year).

The prices for the acquisition of products for industrial and technical purposes by industrial enterprises are calculated by the regions of the Republic of Kazakhstan, by types of products.

#### S.4.2 Classification system

When constructing prices and price indices for the acquisition of industrial products, the following classifications are used:

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

SKPP - "Directory of industrial products (goods, services)",

SKPSH - "Directory of products (services) of agriculture, forestry and fisheries",

which are 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](http://www.stat.gov.kz) in the section "Classifiers" / "Reference books" /.

#### S.4.3 Sectoral coverage

Purchase price indices for industrial and technical products reflect changes in the purchase prices of products from units operating in a particular class of industrial activity in accordance with the General Classifier of Economic Activities (hereinafter - OKED). In accordance with OKED, industrial activities are classified in sections B "Mining and quarrying", C "Manufacturing industry", D "Power supply, gas, steam and air conditioning", E "Water supply, sewerage system, control over the collection and distribution of waste".

#### S.4.4 Statistical concepts and definitions

1) Type of observation - selective;

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

3) Data collection toolkit is 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 1CP), monthly frequency).

Submission deadline - up to the 17th day (inclusive) of the reporting period;

The statistical form is available on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan [www.stat.gov.kz](http://www.stat.gov.kz) in the section "For respondents" / "Statistical forms for 20\_year" // "Monthly form" // "1-cpu".

#### S.4.5 Statistical object

The statistical object for the acquisition 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 services of an industrial nature of all forms of ownership, various organizational and legal forms, purchased material and technical resources for the technological process.

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

The nationwide statistical observation of the prices of manufacturing enterprises for industrial products (goods, services) and the purchase prices of production and technical products by industrial enterprises is carried out on a sample set 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 the 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 basic objects with the maximum possible coverage of the main product groups, material and technical resources, determined for national statistical observation.

#### S.4.7 Territorial coverage

Republic of Kazakhstan, regions, Nur-Sultan, Almaty, Shymkent.

#### S.4.8 Time coverage

The price index for the acquisition of industrial products by industrial enterprises has been formed since January 1996; there are time series from 1996 to the present.

#### S.4.9 Base period

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

Kazakh tenge

#### S.6 Reporting period

month

#### S.7 Legal basis S.7.1

Legal basis

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 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 on a gratuitous basis of statistical information 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 the order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated May 20, 2010 No. 113.
7. 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.
8. "Methodology for constructing producer price indices in industry", approved by 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 ... Available on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Methodology" / "Price statistics", and on the website [www.adilet.kz](http://www.adilet.kz).

## 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 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.8.2 Privacy - 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.

#### T. 9 Publication Policy

#### S.9.1 Publications calendar

According to paragraph 1, paragraph 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 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](http://www.stat.gov.kz) in the "Home" section // "Basic documents".

#### 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 Plan of statistical work.

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](http://www.stat.gov.kz)).

#### S.10 Propagation frequency

month

#### S.11 Dissemination format, accessibility and clarity

##### S.11.1 News publications

##### S.11.2 Publications

1) The statistical bulletin "Index of prices and purchase prices for industrial products by industrial enterprises of the Republic of Kazakhstan" 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](http://www.stat.gov.kz) and contains data on the price level in the republic and price changes in the republic and in the context of regions for all periods. Placed in the section Official statistical information (by industry) / Prices and tariffs.

2) Annual statistical compilation "Prices in industry in the Republic of Kazakhstan" - annual data on the level and changes in prices in dynamics (monthly, quarterly) by types of economic activities, types of products in the whole country 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](http://www.stat.gov.kz). Placed in the section Official statistical information / Collections, quarterly publications, spreadsheets, analytics.

3) 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](http://www.stat.gov.kz). in the section Official statistical information / Collections, quarterly editions, spreadsheets, analytics.

##### T. 11.3 Online databases

Taldau Information and Analytical System / Statistics sections / Price statistics / Price and tariff indices / Industrial price indices / Purchase price index for industrial products by industrial enterprises (Purchase prices for industrial and technical products by industrial enterprises)

##### S.11.3.1 AC1. Data tables-consultation

Not implemented

##### S.11.4 Microdata access

The 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

#### S.11.5 Other

No

##### 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 dated May 31, 2016 No. 98 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 13845. Available on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Methodology" / "Price statistics", and on the website [www.adilet.kz](http://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

#### T. 13 Quality management

##### 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;
- a comparative analysis of statistical data is carried out (in dynamics, with administrative data, cross-sectoral);
- rotation of sample sets of lists of goods, products, services and basic objects selected for price observation;
- annual review of weighing systems;
- 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 price index for the acquisition of industrial products by industrial enterprises satisfies the needs of a wide range of users, internal (sectoral statistics bodies), external (government agencies, economists, employees of management bodies and financial and economic services of enterprises, organizations, scientific, entrepreneurial and bank employees, professors. - teaching staff, 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”.

### 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 for the acquisition of industrial and technical products by industrial enterprises is ensured by conducting an optimally selected observation method.

The methodology for calculating price indices for the acquisition of industrial and technical products by industrial enterprises is based on international standards, which contain requirements for the selection of basic objects, products, 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 18th 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 the 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

Unacceptable.

##### S.17.2 Length of comparable time series / CC2

The dynamic range of prices and price indices for the acquisition of industrial and technical products by industrial enterprises has been comparable and continuous since 1996

#### 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

Unacceptable.

## S.21 Processing of statistical data

### S.21.1 Input data

Construction of the price index for the acquisition of industrial and technical products involves the use of two data streams: weight components (weighing scheme) and changes in prices for purchased 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 the purchased products for industrial and technical purposes in the types of economic activities included in the observation.

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 prices for manufactured industrial products (goods, services) and purchase prices for industrial products" is carried out on paper on purpose in one window, through postal communication services or in electronic form. Filling out the statistical form in electronic form is carried out through the information system "Data collection in on-line mode", 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](http://www.stat.gov.kz)).

### S.21.4 Reliability of primary statistical data

When entering primary statistical data, format-logical controls of the minimum and maximum price indices are laid down; 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 submit reliable primary statistical data when conducting statistical observations in accordance with the schedule for submitting primary statistical data by respondents and with the statistical methodology.

### S.21.5 Imputation - share / A7

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

In the event of a temporary suspension of the purchase of products, it provides for the use of “notional” prices pending the receipt of data on the actual purchase prices. To ensure the continuity of the time series of the acquisition price index, there are the following methods for calculating "conditional" prices for temporarily missing price information:

- 1) using the price of the last (previous) registration;
- 2) the use of prices for similar types of resources, services from other consumers;
- 3) determination of the "estimated" price obtained by using the price of the last registration and the producer price index (regional or national).

#### S.21.6 Adjustment

Not applicable.

##### S.21.6.1 Seasonal adjustment

Not implemented.

#### S.22 Notes