



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

Quality Report

Main performance Indicators of the Industry of
the Republic of Kazakhstan for 2024

Contents

S.1 Contact information

S.2 Introduction – Relevance

S.3 Metadata update

S.4 Presentation of statistical information

S.5 Unit of measurement

S.6 Reference period

S.7 Legal basis

S.8 Confidentiality and data protection

S.9 Publication policy

S.10 Dissemination frequency

S.11 Dissemination format, accessibility and clarity

S.12 Availability of documentation

S.13 Quality management

S.14 Relevance

S.15 Accuracy and reliability (completed taking into account the type of observation)

S.16 Timeliness and punctuality

S.17 Comparability

S.18 Coherence

S.19 Burden

S.20 Data revision

S.21 Statistical data processing

S.22 Comments

S.1 Contact Information

S.1.1 Organization

Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan (hereinafter – the Bureau)

S.1.2 Structural Unit

Department of Production and Environmental Statistics

S.1.3 Name of Contact Person

Tileubergen Symbat Sailaukyzy

S.1.3.1 Name of the Head of the Responsible Structural Unit

Issabekova Aida Zharasovna

S.1.5 Postal Address of the Contact Person

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S.1.6 Contact Email Address

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S.1.7 Contact Phone Number

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S.2 Introduction – Relevance

The nationwide statistical survey 1-P “Enterprise Report on the Production and Shipment of Products (Goods, Services)” (annual) is organized for the purpose of generating key indicators that characterize the production of industrial products (goods, services) in the Republic of Kazakhstan.

Data on the main indicators of industrial performance (by regions, types of economic activity, structure of industrial production, as well as industrial output in physical terms) are compiled on a monthly, quarterly, and annual basis. Information on the main indicators of industrial performance is formed on the basis of primary statistical data in accordance with the “Methodology for the Formation of Indicators and Calculation of Gross Industrial Output (Goods, Services)”, approved by Order No. 202 of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated 20 December 2017 and registered with the Ministry of Justice of the Republic of Kazakhstan on 3 January 2018 under No. 16171.

Industrial production plays an important role in the development and effective functioning of the national economy.

The main users of the data include the Government of the Republic of Kazakhstan, government authorities, international organizations, educational institutions, business entities, and other users.

The Bureau holds meetings of working groups (focus groups) with the participation of potential users and respondents,

representatives of interested government authorities, as well as the National Chamber of Entrepreneurs “Atameken”, during which the indicators of nationwide statistical surveys are evaluated for their relevance and potential duplication with departmental statistics forms and administrative data sources. Feedback from respondents and users of official statistical information is provided through the Bureau’s Unified Contact Center – 1446.

S.3 Metadata Update

S.3.1 Last confirmation of updated metadata

17.11.2025

S.3.2 Last metadata publication

17.11.2025

S.3.3 Last metadata update

17.11.2025

S.4 Presentation of Statistical Information

S.4.1 Data Description

The main indicators of industrial performance are compiled by regions, types of economic activity, structure of industrial production, and industrial output in physical terms.

To calculate the Industrial Production Index (IPI), a Laspeyres-type volume index is used; its arithmetic version is the Young index, which represents a weighted average ratio of individual quantities ($Q_{i,t} / Q_{i,b}$), using weights $W_{i,b}$ of period b (where $b \leq 0$). The Young index equals the Laspeyres index when the base period for weights and the index calculation coincide ($b = 0$). In practice, the weight base period (b) is significantly longer than the periods 0 and t . Weight calculation is based on expenditure data for a yearly period or longer, while quantity data are taken monthly and correspond to a later year.

The IPI is calculated using the following formulas:

$$I_{t/b} = (Q_t \times P_b) / (Q_b \times P_b) \times 100, (1)$$

where:

$I_{t/b}$ – index measuring the change in production in reporting period t compared to the average monthly volume of the base year;

Q_t, Q_b – quantity of products in reporting and base periods;

P_b – average annual price of the base year.

$$I_{(t-1)/b} = (Q_{(t-1)} \times P_b) / (Q_b \times P_b) \times 100, (2)$$

where:

$I_{(t-1)/b}$ – indices characterizing the change in production in the previous period $t-1$ (the previous month, the corresponding month of the previous year, or the corresponding period from the beginning of the previous year) compared to the average

monthly volume of the base year;

$Q(t-1)$ – quantity of products in the previous month, the corresponding month of the previous year, or the corresponding period from the beginning of the previous year;

Q_b – quantity of products in the base period.

$I(t-1)/b$ – index measuring production change in period $t-1$

$Q(t-1)$ – product quantity in the previous period

P_b – average annual price of the base year.

$I_t/(t-1) = (I_t/b) / (I(t-1)/b) \times 100, (3)$

where:

$I_t/(t-1)$ – indices characterizing the change in production in the reporting period t (month or period from the beginning of the reporting year) compared to the previous period $t-1$ (the previous month, the corresponding month of the previous year, or the corresponding period from the beginning of the previous year), calculated by dividing the indices obtained from formulas (1) and (2);

I_t/b – indices characterizing the change in production in the reporting period t (month or period from the beginning of the reporting year) compared to the average monthly volume of the base year;

I_{t-1}/b – indices characterizing the change in production in the previous period $t-1$ (the previous month, the corresponding month of the previous year, or the corresponding period from the beginning of the previous year) compared to the average monthly volume of the base year. The comparison of production volumes for period t with those for period $t-1$ is performed by comparing the deviations of these two volumes from the average monthly value of the base year.

This index shows production change in t relative to $t-1$, obtained by comparing deviations of both periods from the average monthly value of the base year.

S.4.2 Classification System

The following main statistical classifiers are used:

1. Classifier of Administrative-Territorial Objects (KATO)
2. General Classifier of Types of Economic Activity (OKED)
3. Classifier of Forms and Types of Ownership (KFS)
4. Classifier of Enterprise Size (KRP)
5. Classifier of Organizational and Legal Forms (KOPF)
6. Classifier of Economic Sectors (KSE)
7. Industrial Products Directory (SKPP)

These classifiers are available on the Bureau's website in the section "Main Page" / "Classifiers".

S.4.3 Sector Coverage

According to the classification of products by types of economic activity, the following sectors are included in industrial statistics:

- Mining and quarrying
- Manufacturing
- Electricity, gas, steam, hot water and air conditioning supply
- Water supply; sewerage; waste collection, treatment and disposal; pollution remediation

S.4.4 Statistical Concepts and Definitions

1. Type of observation: complete enumeration

2. Scope of respondents – legal entities and/or their structural and separate subdivisions with the primary or secondary type of activity classified as “Industry” (according to the codes of the General Classifier of Economic Activities – OKEI 05-33, 35-39), regardless of the number of employees

3. Data collection tool: statistical form of nationwide observation 1-P “Enterprise Report on the Production and Shipment of Products (Goods, Services)” (annual). Submission deadline – until 14 March following the reporting period. Forms may be submitted electronically or on paper. Electronic submission is via the online Data Collection System on the Bureau’s website.

Key indicators of industrial statistics:

Volume of industrial production (goods, services) – the value of all finished products (goods), semi-finished products produced by the enterprise (both from its own raw materials and materials provided by the customer), intended for sale externally, for own capital construction, for the enterprise’s non-industrial subdivisions, or issued to employees as remuneration, as well as industrial works and services performed under customer orders. Calculated excluding value-added tax (VAT), excise duties, and excluding intra-factory turnover, work-in-progress, and the value of tolling (customer-supplied) raw materials.

Industrial production in physical terms – the gross output of specific types of products in physical terms, including products consumed for in-house industrial needs of the enterprise and produced from customer-supplied raw materials.

Industrial Production Index – a short-term economic indicator of industrial statistics that reflects changes over time in the physical volume of value added in the industry.

Volume of shipped industrial products (goods, services) in monetary terms – the value of own-production goods actually shipped (transferred) to consumers during the reporting period (including products delivered on-site to the customer), as well as works and services accepted by the customer, regardless of whether payment has been received by the enterprise.

Tolling (customer-supplied) raw materials – raw materials owned by the customer, transferred to other enterprises for industrial processing to produce goods from them.

S.4.5 Statistical Unit

The statistical units are legal entities and/or their divisions with primary/secondary activity “Industry” (OKED 05–33, 35–39). In 2024, the number of enterprises and production units amounted to 15293.

S.4.6 Target Population

Observation is carried out by a complete enumeration method.

S.4.7 Geographical Coverage

All regions of the Republic of Kazakhstan, cities of republican significance, and the capital.

S.4.8 Time Coverage

Time series are available from 1990 to 2024.

S.4.9 Base Period

Compared with the previous year.

S.5 Unit of Measurement

Thousand Kazakhstani tenge.

S.6 Reporting Period

Annual.

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” (hereinafter – the Law).
2. Code of the Republic of Kazakhstan dated July 5, 2014 No. 235-V ZRK “On Administrative Offenses”.
3. Rules for the Submission of Primary Statistical Data by Respondents, approved by Order No. 173 of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 9, 2010.
4. Statistical Work Plan, approved in accordance with the legislation of the Republic of Kazakhstan by the Order of the Head of the Bureau.
5. Schedule for the Dissemination of Official Statistical Information, approved by the Order of the Head of the Bureau.
6. Rules for Providing Databases in De-identified Form for Use in Scientific and Scientific-Technical Activities, approved by Order No. 168 of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010.
7. Methodology for the Formation of Indicators and Calculation of Gross Output of Industrial Products (Goods, Services), approved by Order No. 202 of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated December 20, 2017.
8. Methodology for Calculating the Industrial Production Index, approved by Order No. 235 of the Chairman of the Committee on

Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated October 11, 2016.

9. Methodology for Editing Data in Production and Environmental Statistics, approved by Order No. 51 of the Acting Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated March 29, 2016.

S.8 Confidentiality and Data Protection

S.8.1 Confidentiality Policy

1. Article 8 of the Law ensures confidentiality and protection of data submitted by respondents.
2. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan ensures protection of commercial secrets.
3. The Information Security Policy (hereinafter – the Policy), approved by Order No. 20 of the Head of the Bureau of ASPiR of the Republic of Kazakhstan dated February 10, 2021, defines the objectives, tasks, guiding principles, and practical measures for ensuring information security at the National Statistics Bureau. The primary objective of the Policy is to ensure the availability of official statistical information, the confidentiality of information stored and processed on the computing resources of the National Statistics Bureau, while maintaining its integrity and authenticity.

S.8.2 Data Confidentiality – Data Handling

Regulated by the Rules for the provision and use of anonymized databases for scientific purposes (Order No. 168 from 2 July 2010).

S.9 Политика публикаций

S.9.1 Publication Calendar

According to paragraphs 1 and 2 of Article 26 of the Law, the state statistics authorities ensure that users have equal rights to simultaneous access to high-quality official statistical information, including in machine-readable data formats and to statistical methodology, by publishing them on the official website of the state statistics authorities. All statistical information provided for in the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information is made publicly available on the Bureau's website www.stat.gov.kz.

The Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information are available on the Unified Platform of Internet Resources of State Bodies (UPIR SB) at www.gov.kz in the section "Bureau" / "Home" / "Key Documents."

S.9.2 Access to the Schedule

The Schedule for the Dissemination of Official Statistical Information is available on the Unified Platform of Internet Resources of State Bodies (UPIR SB) at www.gov.kz in the section "Bureau" / "Home" / "Key Documents."

S.9.3 User Access

According to paragraphs 1 and 2 of Article 26 of the Law, the state statistics authorities ensure that users have equal rights to simultaneous access to high-quality official statistical information, including in machine-readable data formats and to statistical methodology, by publishing them on the official website of the state statistics authorities. All statistical information provided for in the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information is made publicly available on the Bureau's website www.stat.gov.kz.

S.10 Frequency of Dissemination

Annually.

S.11 Dissemination Format, Accessibility and Clarity

S.11.1 News Publications

Press releases are not provided.

S.11.2 Publications

1. The web publication "Key Indicators of Industrial Performance of the Republic of Kazakhstan" is available on the Bureau's website www.stat.gov.kz in the section "Home" / "Statistics" / "Sectoral Statistics" / "Industrial Production Statistics" / "Publications";

2. The electronic tables "Key Indicators of Industrial Performance of the Republic of Kazakhstan" are available on the Bureau's website www.stat.gov.kz in the section "Home" / "Statistics" / "Sectoral Statistics" / "Industrial Production Statistics" / "Electronic Tables";

3. The dynamic series are available on the Bureau's website www.stat.gov.kz in the section "Home" / "Statistics" / "Sectoral Statistics" / "Industrial Production Statistics" / "Dynamic Series".

S.11.3 Online Databases

The information and analytical system Taldau (<http://taldau.stat.gov.kz>) is available in the section "Industrial Production and Environmental Statistics."

S.11.3.1 AC1 Data Table Consultations

Not implemented.

S. 11.4 Access to Microdata

The provision of databases in de-identified form is regulated by the "Rules for Providing Databases in De-identified Form for Use in Scientific and Scientific-Technical Activities," approved by Order No. 168 of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010. Information on the conditions for submitting an application to obtain de-identified databases is available on the Bureau's website www.stat.gov.kz in the section "Home" / "For Researchers."

The application is generated and submitted through the "Personal Account" / "User Account" on the Bureau's website www.stat.gov.kz, authenticated by an electronic digital signature and accompanied by the required documents.

S.11.5 Other

S.11.5.1 AC2 Metadata Consultations

Not implemented.

S.12 Documentation Accessibility

S.12.1 Methodological Documentation

The “Methodology for the Formation of Indicators and Calculation of Gross Output of Industrial Products (Goods, Services),” approved by Order No. 202 of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated December 20, 2017;

the “Methodology for Calculating the Industrial Production Index,” approved by Order No. 235 of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated October 11, 2016; and

the “Methodology for Editing Data in Production and Environmental Statistics,” approved by Order No. 51 of the Acting Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated March 29, 2016. Are available on the Bureau’s website www.stat.gov.kz in the section “Methodology” / “Industrial Production Statistics.”

S.12.2 Quality Documentation

1. The Standard Methodology for Describing the Process of Producing Statistical Information by State Bodies, approved by Order No. 53 of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated March 30, 2015;

2. The Methodology for Assessing the Quality of Official Statistical Information, approved by Order No. 63 of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated May 23, 2018.

S.13 Quality Management

S.13.1 Quality Assurance

The quality and reliability of industrial statistics data are maintained through commonly accepted procedures:

- compliance with the fundamental principles of primary accounting;
- use of standard statistical classifications of goods, products, and services;
- implementation of all control schemes (format–logical and arithmetic) at the stages of collecting and processing primary data;
- a legally established provision allowing the collection of additional information from respondents to confirm the reliability of primary data;
- conducting comparative analysis of statistical data (in dynamics).

S.13.2 Quality Assessment

In developing the “Methodology for the Formation of Indicators and Calculation of Gross Output of Industrial Products (Goods, Services),” the 2008 System of National Accounts, the International Recommendations for Industrial Statistics, and the United Nations International Recommendations for the Index of Industrial Production were used as the methodological basis.

S.14 Relevance

S.14.1 User Needs

Main users: Government, state bodies, international organizations (CIS Stat Committee, UN Statistics Division, UNECE, EEC, UNIDO), academia, businesses.

S.14.2 User Satisfaction

An annual survey of users of official statistical information is conducted. The user questionnaire is available on the Bureau’s website www.stat.gov.kz in the section “Home” / “Surveys” / “User Questionnaire.”

S.14.3 Completeness / R1 Completeness Ratio

In 2024, 31,134 respondents reported.

Share of active enterprises: 93.7%,

Share of active among functioning: 41.4%.

S.15 Accuracy and Reliability (It is filled out taking into account the type of observation.)

S.15.1 Overall Accuracy

Accuracy and reliability are ensured through the use of an optimally selected observation method, in accordance with the “Methodology for the Formation of Indicators and Calculation of Gross Output of Industrial Products (Goods, Services),” which is based on international standards.

Data quality is maintained during the collection and processing of primary data through the application of arithmetic–logical controls and format–logical controls.

S.15.2 Sampling Error Indicators / A1.

Not applicable.

S.15.3 Non-sampling Error

Not applicable

S.15.3.1 Coverage Error

Not applicable.

S.15.3.1.1 A2 Over-coverage Rate

Не применимо.

S.15.3.1.2 A3 Common Units Ratio

Not applicable.

S.15.3.3 Nonresponse Errors

S.15.3.3.1 A4 Unit Nonresponse Rate

Not applicable.

S.15.3.3.2 A5 Item Nonresponse Rate

Not applicable.

S.16 Timeliness and Punctuality

S.16.1 Timeliness

S.16.1.1 TP1. Waiting period – first results

The publication of preliminary annual results is not provided. Before the publication of annual data, operational (monthly) data are compiled.

S.16.1.2 TP2. Waiting period – final results

The time spent on processing the first results, from the deadline for respondents' submission to the first publication of the main industrial indicators, averages 110 days.

The results in electronic tables are published annually on July 3, and these are final results. Release dates are approved and published in the Statistical Work Plan and the Schedule for Dissemination of Official Statistical Information.

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

Data are published in accordance with the Statistical Work Plan and the Schedule for Dissemination of Official Statistical Information, approved by an Order of the Head of the Bureau. Actual and planned publication dates coincide; no delays occurred in 2024. If a publication date falls on a weekend or public holiday, the release is postponed to the next working day.

S.17 Comparability

S.17.1 Geographical Comparability

Within the territory of the Republic of Kazakhstan.

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

Not applicable.

S.17.2 Length of comparable time series / CC2

The time series for industrial production (goods, services) are comparable and uninterrupted since 1990.

Time series are available on the Bureau's website in the section "Main" / "Statistics" / "Sectoral Statistics" / "Industrial Production Statistics" / "Time Series".

S.18 Coherence

S.18.1 External, cross-coherence

The "Methodology for the Formation of Indicators and Calculation of Gross Industrial Output (Goods, Services)" is based on the System of National Accounts 2008, the International Recommendations for Industrial Statistics, and the UN International Recommendations for the Index of Industrial Production.

S.18.2 Internal coherence

The National Accounts Department uses gross output data and the

Industrial Production Index for the compilation of GDP and GRP.

The Department of Services and Energy Statistics uses data on the production of certain types of industrial products for the monthly bulletin “Resources and Use of Selected Types of Products (Goods) and Raw Materials in the Republic of Kazakhstan”.

S.19 Burden

Data collection is carried out electronically and on paper. Online data submission includes automated arithmetic and logical controls to prevent typical input errors. Data processing procedures are automated, with input and output data validation.

There is no duplication with other surveys. Administrative or other external data sources are not used.

In 2024, 31,134 respondents submitted reports, of which over 94% submitted online.

S.20 Data Revision

S.20.2 Data Revision / A6

No revision of data for 2024 was carried out. The statistical form was revised in 2023 and is available on the Bureau’s website in the section “Main” / “For Respondents” / “Statistical Forms for 2025” / “Annual Forms”. There were no republications of official statistical information for 2024.

S.21 Statistical Data Processing

S.21.1 Source Data

The information base for industrial production indicators (goods, services) consists of primary data from nationwide statistical observations of industrial enterprises, enterprises with secondary industrial activity, production volumes of individual entrepreneurs, peasant or farm households, and household expenditure and income survey data.

S.21.2 Survey Frequency

Annually

S.21.3 Method of Primary Data Collection

The statistical form 1-P “Enterprise Report on the Production and Shipment of Products (Goods, Services)” is submitted electronically or on paper.

Electronic submission is performed through the online Data Collection System available on the Bureau’s website in the section “For Respondents” / “Respondent’s Cabinet”.

S.21.4 Reliability of Primary Statistical Data

Data reliability is confirmed by primary reports: paper reports are certified by seals and signatures of chief executives; electronic submissions are certified by digital signatures.

Data quality is ensured by applying arithmetic and logical controls when verifying primary reports. If extreme values or anomalies are detected, respondents must either confirm the

data or make corrections as required by law. Primary data are compiled on the basis of primary accounting documents prepared according to international financial reporting standards. Unjustified discrepancies between accounting data and statistical observation data are not permitted.

In accordance with Article 17 of the Law, respondents are required to provide reliable primary statistical data in accordance with the submission schedule and statistical methodology.

S.21.5 Imputation – share / A7

Not applicable.

S.21.6 Adjustments

Data adjustments are made directly during the statistical observation process.

S.21.6.1 Seasonal Adjustment

Not applicable.

S.22 Continue work to ensure the quality of statistical data.

Comments

Continue work to ensure the quality of statistical data.