Tanzania - Census of Industrial Production 2023

National Bureau of Statistics, Office of the Chief Government Statistician

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Identification

SURVEY ID NUMBER
TZA-NBS-CIP-2023-v01.

TITLE
Census of Industrial Production 2023

TRANSLATED TITLE
SENSA YA UZALISHAJI VIWANDANI KWA MWAKA REJEA 2023

COUNTRY

Name	Country code
UNITED REPUBLIC OF TANZANIA	URT

STUDY TYPE
Enterprise Census [en/census]

SERIES INFORMATION
The Census of Industrial Production (CIP) is a periodic national census conducted by the National Bureau of Statistics (NBS) and the Office of the Chief Government Statistician (OCGS). It provides benchmark information on industrial establishments and serves as the basis for updating the industrial statistical frame and supporting subsequent Annual Surveys of Industrial Production (ASIP).

ABSTRACT
The census revealed that, there were a total of 57,684 establishments operating in 2023 in Tanzania with a majority of 53,149 (92.1 percent) classified as small and 4,535 (7.9 percent) as large establishments. The manufacturing sector accounted for the highest number of small establishments, amounting to 51,902 (97.7 percent), while lowest was recorded for electricity, gas, steam, and air conditioning supply with 33 (0.1 percent). Likewise, for large establishments, manufacturing had the highest number 3,489 (76.9 percent), whereas electricity, gas, steam, and air conditioning supply had the lowest number with 95 (2.1 percent) establishments.

Single establishments comprised the vast majority of all industries, accounting for 56,313 (97.6 percent) of the totals. This was followed by head offices 751 (1.3 percent) and finally branches with 620 (1.1 percent) establishments. This implies that industrial sector is largely driven by single establishments.
In Tanzania, most establishments were engaged in manufacturing (96.0 percent). Whereby, the majority were engaged in production of food (40.4 percent), manufacturing of wearing apparel (20.7 percent), manufacture of furniture (14.1 percent) and manufacture of fabricated metal products except machinery and equipment (12.2 percent). This highlights the importance of agriculture in supporting manufacturing. Within the non-manufacturing sectors, the largest share was recorded in mining and quarrying (3.3 percent), followed by water supply; sewerage, waste management and remediation activities (0.5 percent) and the electricity, gas, steam and air conditioning supply sector contributed a marginal share of 0.2 percent.
The industrial sector created 471,482 jobs in Tanzania, underscoring its vital role in economic development. Total personal engaged for large establishments were 276,196 persons representing 58.6 percent of the total. Small establishments contributed the remaining 195,286 persons engaged accounting for 41.4 percent. This distribution highlights the dominant role of large-scale operations in driving employment, while also affirming the essential contribution of small establishments in supporting inclusive growth across diverse industries.
Tanzania's total value added amounted to TZS 19,791,037 million, with Mainland Tanzania contributing the largest share of TZS 19,463,064 million, while Zanzibar recorded TZS 327,973 million of value added. Looking on industrial sector, manufacturing was the leading contributor to total value added (58.2 percent), followed by mining and quarrying (37.8 percent), while electricity, gas, steam and air conditioning supply (2.5 percent) and water supply; sewerage, waste management and remediation activities (1.5 percent) accounted for relatively small shares

KIND OF DATA
Census/enumeration data [cen]

UNIT OF ANALYSIS
Establishment

Version

VERSION DESCRIPTION
v0.1

VERSION DATE
2026-07-31

Scope

NOTES
The Census of Industrial Production (CIP) 2023 covered all industrial establishments operating from fixed premises and classified according to the International Standard Industrial Classification of All Economic Activities (ISIC), Revision 4. The census followed the International Recommendations for Industrial Statistics 2008 (IRIS 2008) and UNIDO Industrial Statistics Guidelines and Methodology 2010, covering four industrial sectors: Mining and Quarrying; Manufacturing; Electricity, Gas, Steam and Air Conditioning Supply; and Water Supply, Sewerage, Waste Management and Remediation Activities. A complete enumeration was conducted for all establishments employing 10 or more persons, while a sample survey was used for establishments employing 1–9 persons. In Zanzibar, all industrial establishments were covered through total enumeration.

TOPICS

Topic	Vocabulary	URI
International Standard Industrial Classification	(ISIC) Revision 4.	Link
Central Product Classification	(CPC) Revision 2.1	Link
International Recommendations for Industrial Statistics	IRIS 2008	
UNIDO Industrial Statistics Guidelines and Methodology of 2010.		

KEYWORDS

Keyword	Vocabulary
Industrial Statistics; Census of Industrial Production (CIP	
Manufacturing; Mining and Quarrying; Electricity; Water Supply; Industrial Establishments;	
Employment;	
Persons Engaged	
Gross Output	GO
Intermediate Consumption	IC
Value Added	VA

Coverage

GEOGRAPHIC COVERAGE
National coverage (United Republic of Tanzania, including Tanzania Mainland and Zanzibar). The census covers industrial establishments across all regions of the country, and the results are representative at the national level.

UNIVERSE
The census cover all industrial establishments operating in Tanzania during the reference year 2024 , engaging one (1) or more persons, and classified under ISIC Rev. 4 Sections B–E.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
National Bureau of Statistics	Government of the United Republic of Tanzania
Office of the Chief Government Statistician	Revolutionary Government of Zanzibar

PRODUCERS

Name	Affiliation	Role
Ministry of Industry and Trade	Government of the United Republic of Tanzania	Sector Coordination
Ministry of Trade and Industrial Development	Revolutionary Government of Zanzibar	Sector Coordination

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Government of the United Republic of Tanzania	URT	Financing Supporting
World Bank	UN	Financing Supporting

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Affiliation	Role
President's Office – Regional Administration and Local Government (PO-RALG)	Government of the United Republic of Tanzania	Coordination of regional and local government authorities during field operations
Tanzania Electric Supply Company Limited (TANESCO)	Government of the United Republic of Tanzania	technical collaboration
Ministry of Water	Government of the United Republic of Tanzania	technical collaboration
Ministry of Energy	Government of the United Republic of Tanzania	technical collaboration
Small Industrial Development Organization	Government of the United Republic of Tanzania	technical collaboration
Confederation of Tanzania Industries	Government of the United Republic of Tanzania	technical collaboration
United Nations Industrial Development Organisation		technical collaboration

Sampling

SAMPLING PROCEDURE

The sampling frame comprised 57,684 industrial establishments operating in 2023, including 54,084 in Mainland Tanzania and 3,600 in Zanzibar. It was developed from the Statistical Business Register (SBR) maintained by the National Bureau of Statistics (NBS) and the Office of the Chief Government Statistician (OCGS), supplemented with administrative records from relevant government institutions.

Census and Sample Components

In Zanzibar, all 3,600 establishments were completely enumerated due to their manageable number; therefore, no sampling was undertaken.

In Mainland Tanzania, the 54,084 establishments were divided into three components:

4,228 large establishments (10 or more persons engaged): All were completely enumerated.5,682 small establishments (1–9 persons engaged) in industrial activities with relatively few establishments: All were completely enumerated.
44,174 small establishments (1–9 persons engaged) in seven manufacturing activities with large numbers of establishments:
(i) Manufacture of vegetable and animal oils and fats;
(ii) Manufacture of grain mill products;
(iii) Manufacture of wearing apparel, except fur apparel;
(iv) Saw milling and planning of wood;
(v) Manufacture of articles of concrete, cement and plaster;
(vi) Manufacture of structural metal products; and
(vii) Manufacture of furniture.
These were selected using a probability sampling approach.

Sample Design For the third component, a stratified sampling design was applied. Establishments were stratified by region, ISIC Rev.4 industrial activity, and employment size class. A total of 7,920 establishments was selected from the 44,174 establishments using probability sampling procedures.

The CIP 2023 covered 21,430 industrial establishments from a national frame of 57,684 establishments. All establishments in Zanzibar and all large establishments in Mainland Tanzania were completely enumerated, while small establishments were covered through either complete enumeration or probability sampling

RESPONSE RATE
The overall response rate for the CIP 2023 was 98.2 percent. In Mainland Tanzania, 17,447 out of 17,830 selected establishments responded, yielding a response rate of 97.9 percent. In Zanzibar, 99.8 percent of the 3,600 completely enumerated establishments responded from 3606. These response rates were considered adequate for producing reliable industrial statistics.

WEIGHTING
The weight consisted of two main parts; the raising factor and the grossing factor. In some cases, special treatment was also given to large self-representing units

Data Collection

DATES OF DATA COLLECTION

Start	End	Cycle
2025-03-24	2025-06-23	Main data collection

TIME PERIODS

Start date	End date
2025-01-01	2025-12-31

DATA COLLECTION MODE
Computer Assisted Personal Interview [capi]

SUPERVISION
Data collection was supervised by regional coordinators and field supervisors from NBS and OCGS. Supervisors monitored enumerators, reviewed completed questionnaires, conducted quality control checks, and ensured compliance with survey procedures through regular field visits.

DATA COLLECTION NOTES
The pre-test for the Census of Industrial Production (CIP) 2023 was conducted from 2024-12-05 to 2024-12-20. The exercise involved selected enumerators and supervisors who later participated in the main data collection. The pre-test was undertaken to test the questionnaire, CAPI application, and field procedures prior to the main data collection exercises

DATA COLLECTORS

Name	Abbreviation	Affiliation

National Bureau of Statistics	NBS	Government of Tanzania
Office of the Chief Government Statistician	OCGS	Revolutionary Government of Zanzibar

Questionnaires

QUESTIONNAIRES

The CIP 2023 employed two questionnaire types; a detailed questionnaire for large establishments and a short questionnaire for small establishments. Both questionnaires were structured to align with the United Nations' International Recommendations for Industrial Statistics (IRIS) 2008 to ensure regional and global comparability. The questionnaire design also incorporated the data requirements of key stakeholders, including National Accounts, government institutions, researchers, and the business community, thereby ensuring both internationally consistence and local relevance

Data Processing

DATA EDITING

Data editing involved both automated and manual validation procedures. Completed questionnaires were checked for completeness, consistency, logical errors, missing values, and outliers. Identified issues were corrected through data verification with field teams and respondents before the final dataset was prepared for analysis.

Data Appraisal

ESTIMATES OF SAMPLING ERROR

Sampling errors were calculated for selected key indicators, including standard errors, coefficients of variation, design effects, and design factors. The calculations considered the survey design and sampling weights, and results are presented in the CIP 2023 Analytical report.

DATA APPRAISAL

Data quality was assessed through completeness and consistency checks, outlier detection, and comparison with existing administrative and historical industrial data to ensure reliability of the CIP 2023 results.

Access policy

CONTACTS

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CONFIDENTIALITY

This Census is conducted in accordance with the Statistics Act Cap 351 R.E. 2019 Tanzania Mainland and Statistics Act, No. 9, 2007 of Zanzibar. According to the Acts, all information supplied will be treated STRICTLY CONFIDENTIAL. The information will be used to provide aggregate statistics for statistical purposes only

ACCESS CONDITIONS

NBS and OCGS considered three levels of accessibility:

1) Public use files, accessible by all

2) Licensed datasets, accessible under certain conditions
3) Datasets only accessible on location, for certain datasets

The dataset has been anonymized and available as a public use dataset. It accessible to all for statistical and research purposes only, under the following terms and conditions:

1. The data and other material will not be redistributed or sold to other individuals, institutions, or organization without the written agreement of the National Bureau of Statistics and Office of the Chief Government Statistician .

2. The data will be used for statistical and scientific research purposes only. They will be used solely for reporting of aggregated information, and not for investigation of specific individuals or organizations.

3. No attempt will be made to produce links among dataset provided by the National Bureau of Statistics and Office of the Chief Government Statistician , or among data from the (National Bureau of Statistics) and other datasets that could identify individuals or organizations.

4. No attempt will be made to re-identify respondents, and no use will be made of the identify of any person or establishment discovered inadvertently. Any such discovery would immediately be reported to the National Bureau of Statistics and Office of the Chief Government Statistician .

5. Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from the National Bureau of Statistics and Office of the Chief Government Statistician will cite the source of data in accordance with the Citation Requirement provided with each dataset.

CITATION REQUIREMENTS
National Bureau of Statistics (NBS) and Office of the Chief Government Statistician (OCGS) in United Republic of Tanzania . The Census of Industrial Production (CIP) 2023 version 1 - Dodoma, Tanzania: NBS & OCGS

ACCESS AUTHORITY

Name	Affiliation	Email	URL
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Office of the Chief Government Statistician	Revolutionary Government of Zanzibar	gs@ocgs.go.tz	Link

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Metadata production

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PRODUCERS

Name	Abbreviation	Affiliation	Role
National Bureau of Statistics	NBS	Ministry of Finance and Planning	Data Producer
Office of the Chief Government Statistician	OCGS	President’s Office- Finance and Planning	Data Producer

DATE OF METADATA PRODUCTION

2026-07-31

DDI DOCUMENT VERSION
Version 1.0

Data Dictionary

Data file	Cases	Variables