



مركز الإحصاء
STATISTICS CENTRE

Transportation and Storage

Statistics Methodology

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Overview

Statistics Centre - Abu Dhabi has conducted a set of specialized economic surveys that aim to identify the characteristics of the activities of establishments operating in the emirate and provide the necessary data and basic information on them. This is eventually intended to prepare a set of key national accounts indicators according to the System of National Accounts [SNA 2008]. Transportation and storage is one of these surveys.

Importance

This important survey centers on providing data on the number of workers and their compensations, details of intermediate consumption, revenues and capital formation; which represent important inputs for the compilation of national accounts.

Objectives

- Providing the necessary data for preparing national accounts and estimating the contribution of these activities to gross domestic product.
- Providing the necessary data to support policies and taking economic decisions in the Emirate of Abu Dhabi and measuring the performance of these policies.
- Providing the necessary data for businessmen and investors to take appropriate decisions and to evaluate their investment decisions.
- Contributing to the provision of a strong base of statistical data for the overall economy in the Emirate, whether with regard to traditional activities or the new activities for future development.
- Contributing to the provision of the necessary data to estimate the extent of economic diversification and the development taking place in the non-oil sectors.
- Providing a basic database to measure the progress taking place in achieving the Abu Dhabi Government's agenda and Abu Dhabi Vision 2030.
- Contributing to building a national statistical system in the United Arab Emirates by providing detailed data on the Emirate's economy.

Concepts and Definitions

Establishment: This is a unit or part of a unit having a permanent premises and performing one of the productive activities (pertinent to goods or services), or its major productive activity generates the greatest part of the value-added and is performed under one management, which may have regular accounts, and the owner of the unit is a natural or juridical person irrespective of the legal entity.

Employees: This means the number of employees in the establishment whether they work full-time or part-time (nationals or non-nationals). This comprises absentees on sick or periodic leaves, or training sessions, or scholarships, etc., excluding trainees, seconded and approved for job students who do not receive salaries during the survey year. To obtain the average number of male and female employees in

the establishment during the year, the number of employees at end of each month is added up and the sum is divided by (12).

Employee compensation: This is the salaries, cash wages and the regular and irregular in-kind and social benefits due to the employees during the survey year.

Intermediate consumption: This is the total requirements of goods (which is the total value of goods and materials used in the production process as requirements for the production of other goods or services) and the requirements of services (which are the services required by the production processes performed by others for the facility).

Gross value of Production: This is total revenue whether from major or secondary activities of transportation and storage establishments.

Value-added Tax: This is the value of production minus the value of intermediate consumption.

Fixed capital formation: This is expenditure on fixed capital goods.

Fixed Capital consumption: This is the decrease in the value of fixed assets (except land and goodwill) as a result of normal use or wear and tear or project obsolescence with the passage of time.

Paid-up capital: This is the amount that has been paid out of the value of shares presented upon public offering in case of joint stock companies; as for other establishments it is the value of capital actually paid by the partners or owner in addition to any changes by increase or decrease in the capital until the end of the survey year.

Coverage (Geographical – Statistical Unit)

Units Coverage: the statistical unit where data is collected and is used for the purpose of statistics is the "establishment" engaged in this activity as their main activity.

Geographical Coverage: the survey covers the facilities working in the Transportation and Storage activity in the Emirate of Abu Dhabi over three regions: Abu Dhabi, Al Ain and Al Dhafra.

Frequency

It is issued one time a year on the financial data of the previous year.

Classifications

- International Standard Industrial Catalogue 4 – ISIC 4
- System of National Accounts [SNA 2008]

Main Data Sources

Field survey (Transportation and storage).

Questionnaires

The form has been designed to comprise all the data that achieve the objectives of the survey; it included:

- Basic information about the establishment.
- Number of employees by gender, nationality and compensation.
- Intermediate goods and services.
- Revenues of the main activity and secondary activities as well as financial revenues.
- Data on current and non-current assets.
- Fixed assets (non-current assets).
- Equity data.

Sample Design

The survey framework consists of all establishments operating within the Emirate of Abu Dhabi. The method of systematic random stratified sampling was used, where establishments are divided into categories according to the number of employees, as follows:

- Large establishments: These establishments are fully covered by the survey.
- Medium establishments: a sample is drawn.
- Small establishments: a sample is drawn.
- Micro establishments: a sample is drawn

Data Collection

The data collection process is divided into the following stages:

- **Preparatory stage:** This stage involves identifying the objectives of the survey, designing the form, preparing training booklets, editing and field and desk review.
- **Field work Stage:** The field work is conducted by trained preselected researchers according to specific criteria and distributed into teams. The progress of work shall be supervised by the field supervisor and observers.

Data Editing

Data editing is a 3-phase process, carried out as follows:

- **Field editing:** This is the first stage of editing where controllers check the forms in the field before submitting them for office editing.
- **Desk editing:** The second stage of editing begins after handing in the completed forms to the desk editing gradually where the forms are fully edited. In case there are errors the type of error shall be identified and treated in the office or by contacting the establishment concerned. After this, forms are coded and sent to the Data Entry Section.
- **Electronic editing:** The Data is entered according to the electronic program prepared for this purpose and this process takes place directly after the end of editing and coding of each form. Then statements including the preliminary findings of the survey are extracted and checked to make sure that that the data is correct and consistent. After that the previously prepared weights are entered, the entry of data is checked and the final results are derived.

Indicators Calculation

The key variables and indicators to be calculated:

- Number of establishments: the number of facilities incorporated in the Transportation and Storage activity.
- Number of employees: the total number of employees in the transportation and storage activity by nationality (citizen, non-citizen).
- Employee compensation: The sum of salaries and cash wages + in-kind benefits + the social benefits due to employees during the year of the survey.
- Intermediate consumption: the sum of the requirements of goods and services used in production.
- Gross output: the sum of revenues from the main activity + revenues from secondary activities.
- Value-added: Gross output – intermediate consumption.
- Fixed capital formation: The sum of (the purchase value for each of the fixed assets + additions and improvements – sales of fixed assets).
- Depreciation of fixed capital: The total depreciation during the year of all fixed assets of facilities operating in the activity
- Number of employees by type of legal entity.
- Gross value of the transportation and storage activity % of GDP.
- Fixed capital formation of the transportation and storage activity % of GDP.
- Employees' compensations in AED.

Timeliness

Data of the Transportation and Storage survey shall be published after the completion of the survey and not later than approximately 17 months from the reference year of the survey data. It is planned to cut this lag period short by approximately 3 months with each new survey until it becomes 9 months from the survey data reference year.

Dissemination

The data is published in several forms, including the result tables and the survey bulletin, in addition to the use of derived indicators in the publications of the center such as the *Statistical Yearbook* and *Abu Dhabi in Figures*. The survey data is disseminated in different ways, including hard copies, electronic copies and online through the Centre's website



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