



مركز الإحصاء
STATISTICS CENTRE

Construction and Building

Statistics Methodology

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Table of Contents

Overview.....	3
Importance.....	3
Objectives.....	3
Concepts & Definitions.....	3
Coverage (Geographical – Statistical Unit).....	4
Frequency.....	4
Classifications.....	4
Main Data Sources.....	4
Survey Questionnaire.....	5
Sample Design.....	5
Data Collection.....	5
Data Editing	6
Indicators Calculation	6
Timeliness.....	7
Dissemination.....	7

Overview

Statistics Centre – Abu Dhabi (SCAD) carries out a set of specialized economic surveys that aim to identify the characteristics of the activities of the establishments operating in the Emirate of Abu Dhabi, and to provide related necessary data and information for use as inputs in the compilation of a set of key National Accounts Indicators, in accordance with the System of National Account (SNA 1993). The Construction and Building Survey is one of these surveys.

Importance

This Survey provides data on the number of employees and their compensations, intermediate consumption, and revenue and capital formation, which represent essential data for preparation of national accounts.

Objectives

- Provide data for use in the preparation of national accounts and estimation of the contribution of different activities to the Gross Domestic Product (GDP).
- Provide data needed to support the economic decision and policy-making in the Emirate of Abu Dhabi, and to measure the performance of these policies.
- Provide data needed for businessmen and investors to be used in making appropriate decisions, as well as in evaluating their investment decisions.
- Contribute towards building a solid database on the overall economy, covering both traditional activities and the 10 future development activities.
- Contribute to providing the data needed to estimate the extent of economic diversification and development taking place in non-oil sector.
- Provide basic database needed to measure the progress in accomplishing the Government's Agenda and Abu Dhabi Vision 2030.
- Contribute to building National Statistical System in the UAE by providing detailed data on the Emirate of Abu Dhabi's economy.

Concepts and Definitions

Establishment: An enterprise or part of an enterprise with a single location that performs one type of production activity (goods or service), or where the main productive activity accounts for most of the value added. This activity is under one administration that may have regular accounts, and the owner is a natural or legal person regardless of the legal entity.

Employees: The number of employees in the establishment, whether working on full-time or part time basis (citizens or non-citizens), including absentees on sick or ordinary leaves, training courses or scholarships, etc..., excluding trainees, seconded and those on annual leaves who do not get paid during the year of the survey. In order to determine the average number of employees during the year, males

and females in the establishment, the number of employees is summed at the end of every month and the total is divided by (12).

Compensation of Employees: Salaries, cash wages, rewards, regular and irregular social and in-kind benefits that are due to the employees during the year of survey.

Intermediate Consumption: A set of goods supplies (i.e. the value of goods and materials used in production process as supplies for production of goods or other services) and service supplies (i.e. services provide by third parties that required for production operations).

Gross Output: Total revenue, whether generated from the main activity or secondary activities of the activity establishments.

Value-Added: The value of production minus intermediate consumption.

Gross Fixed Capital formation: Spending on fixed capital goods.

Depreciation of Fixed Capital: The decrease in the value of fixed assets (other than property and goodwill) due to normal use, wear and tear or foreseen obsolescence over time.

Paid Up Capital: Value of shares offered for public subscription in joint stock companies and the value of actual capital paid by partners or owner for other kinds of companies plus any changes (increase or decrease) to the capital during the survey year.

Coverage (Geographical – Statistical Unit)

Units Coverage: The Statistical Unit from which the data collected and used in presenting the statistics based on the main activity of the entity.

Geographical Coverage: The Survey covers the establishments operating in Banks and Financial Institutions Activity in the Emirate of Abu Dhabi, distributed over the three regions: Abu Dhabi, Al Ain and Al Dhafra Regions.

Frequency

Annually for the previous financial year's data.

Classifications

- International Standard Industrial Classification for Economic Activities (ISIC 4)
- System of National Accounts (SNA 1993)

Main Data Sources

Economic Surveys and the Construction and Building Survey in the Emirate of Abu Dhabi.

Survey Questionnaire

The questionnaire has been developed with the purpose of encompassing all data that achieves the objectives of the Survey, which included the following:

- Identification and general information about the establishment.
- Number of employees by gender, nationality and their compensation.
- Revenue from the main activity, secondary activities and financial revenue.
- Production supplies.
- Current and non-current assets data.
- Fixed assets (non-current assets).
- Current and non-current liabilities.
- Equity data.

Sample Design

The survey frame encompasses all establishments operating in the activity within the Emirate of Abu Dhabi, using the Stratified Random Sampling technique, under which number of employees divides establishments into categories as follows:

- Large Establishments: Complete survey
- Medium Establishment: Sampling
- Small Establishments: Sampling
- Micro Establishments: Sampling

Data Collection

Data collection is divided into the following phases:

- **Preparatory Phase:** This phase includes identifying the objectives of the survey, designing the questionnaires, preparing the manuals of training, and the preparation of field and office editing.
- **Fieldwork Phase:** The field phase is conducted by trained enumerators who have been pre-selected according to specific criteria and are divided into teams. , The workflow is supervised by the field supervisor and observers.
- **Data collection via Email:** Direct communication with establishments through email to complete the data.

Data Editing

Three-phase data audit:

- **Field Editing:** The first phase of editing, where enumerators and controllers review the completed questionnaires before the submitting it for office editing.
- **Office Editing:** This is the second phase of the editing. Following the completion of the questionnaire it is sent to the editing team for an overall review of the data. In case there are comments in the completed questionnaire, the establishment is recontacted or the issues are treated in. After that, the questionnaire is coded based on economic activity and submitted by the editors directly to the database through the data entry system.
- **Electronic Editing:** The data of variables in the questionnaire are entered using an application where the variables of the questionnaire are built. The process takes place immediately after editing and coding each questionnaire. After that main results of the survey are extracted to be edited to ensure correctness and consistency of data, then the pre-prepared weights shall be entered in order to re-edit, process and analyze the final results.

Indicators Calculation

The key variables and Indicators to be calculated:

- Number of Employees: Total number of employees in Banks and Financial Institutions by nationality (citizens and non-citizens).
- Compensation of Employees: Wages, salaries and Bonuses in cash + benefits granted + Benefits granted social benefits accrued to the employees during the year of survey.
- Intermediate Consumption: A set of commodity and service supplies utilized in production.
- Gross Output: Total revenue from the main revenue + secondary revenue.
- Value-added: Gross output – (minus) Intermediate Consumption.
- Fixed Capital formation: Total value of purchases of fixed assets + additions and improvements– fixed assets sold.
- Depreciation of Fixed Assets: Total depreciation during the year for all fixed assets of the establishments engaged in the activity.
- Number of Employees according to the legal status.
- Contribution of total production to GDP.
- Fixed capital formation % of GDP.
- Compensation per employee, in UAE Dirhams.

Timeliness

Construction and Building data Survey shall be disseminated after completion of the Survey, no later than (17) months from the survey year. However, this period will reduce for each survey than the previous, by almost (3) month, until it reaches (9) months from the date of Survey data.

Dissemination

Data are produced in several forms, such as results tables, Survey Bulletin, extraction of indicators to be disseminated in the Centre's Bulletins, such as "Statistical Yearbook" and "Abu Dhabi in Figures". In addition, dissemination shall be carried out in different ways, whether as a hard copy or online via SCAD website.



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