

**THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA  
CENTRAL STATISTICAL AUTHORITY**

**REPORT ON LARGE AND MEDIUM SCALE  
MANUFACTURING AND ELECTRICITY  
INDUSTRIES SURVEY**

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## Abbreviations

- CSA - Central Statistical Authority
- E.F.Y. - Ethiopian Fiscal Year
- G.C. - Gregorian Calendar Year
- S.N.N.P.- Southern Nations, Nationalities and Peoples' Region
- N.E.C. - Not Elsewhere Classified
- S.N.A. - System of National Accounts
- IMPS - Integrated Micro-Computer Processing System
- KW - Kilowatt
- KWH - Kilowatt Hour
- NEC - Not Elsewhere Classified

## PART I

### INTRODUCTION AND OBJECTIVES OF THE SURVEY

#### 1. Introduction

The presence of adequate and current statistical data in various economic sectors that are considered essential for development planning, socio-economic policy formulation and economic analysis is vital in promoting the economic development of a country. Based on this general objective, the Central Statistical Authority (CSA) has been conducting surveys of various economic activities of which the annual Large and Medium Scale Manufacturing Industries survey is one.

Manufacturing is defined here according to International Standard Industrial Classification (ISIC Revision-3) as "the physical or chemical transformation of materials or components into new products, whether the work is performed by power-driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail. The assembly of the component parts of manufactured products is also considered as manufacturing activities."

Central Statistical Authority (CSA) has been publishing results of the survey of Manufacturing and Electricity Industries on annual basis since 1968 E.C. to provide users with reliable, comprehensive and timely statistical data on these sectors. In this respect, this survey is the principal source of industrial statistics on Large and Medium Scale Manufacturing establishments in the country. The data are obtained by conducting Large and Medium Scale Manufacturing survey each year. During the last three years improvements have been made on the survey documents and the method of data collection.

Moreover, the contents of the report of this survey are improved from year to year, so that to satisfy the increasing demand of the data users. Accordingly, due to various organizational measures taken the data collection activity which usually was time consuming and costly, requiring about eight months each year was reduced to less than one and half month. Some improvements have been made also in the contents of the survey questionnaire, and as the result, this year the number of tabular reports are almost double compared to that of last year. In addition to that, in the present publication by and large the industrial groups are reorganized using the latest version of International Standard Industrial Classification (ISIC revision - 3).

This publication presents the objectives, scope and coverage, training of field staff, methods of data collection and field organization, basic concepts and definitions, summary of selected survey results and structure and performance of Large and Medium Scale Manufacturing and Electricity Industries. Accordingly, the bulletin has six parts:- Part I deals with an introduction and objective of the survey. Part II gives an overview about the survey methodology, data collection and processing. Part III presents summary of selected survey results on Large and Medium Scale Manufacturing industries. Part IV deals with the results of Large and Medium Scale Manufacturing establishments for the year 1995/96 (1988 E.F.Y.) . Part V deals with the time series data and various ratios for the period of five years i.e. 1991/92-1995/96 (1984-1988 E.F.Y.) for Large and Medium Scale Manufacturing Industries. Finally Part VI presents the activity and performance of the Electricity Industry which also refers to the five years period, i.e. 1991/92-1995/96 (1984-1988 E.F.Y.). Furthermore, the survey questionnaire for Large and Medium Scale Manufacturing Industries is attached as an appendix.

## **2. Objectives of the survey**

The main objectives of the annual survey of Manufacturing and Electricity Industries are to :-

- a. obtain basic statistical data that are essential for policy makers, planners and researchers by industrial group.
- b. collect basic quantitative information on employment, volume of production and raw materials, structure and performance of the country's Large and Medium Scale Manufacturing and Electricity Industries.
- c. compile statistical data which will be an input to the System of National Accounts (SNA), on Large and Medium Scale Manufacturing and Electricity establishments as a whole and by industrial group.
- d. obtain the number of proprietors engaged in these sectors and find out the major problems that creates stumbling block for their activities. The identification of the problems are required for planning and executing any type of government intervention program.

## PART II

### SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

#### 1. Scope, Coverage and Content

The scope of the Large and Medium Scale Manufacturing survey is confined to those establishments which engage 10 persons and above and use power-driven machines and covers both public and private industries in all Regions of the country, where establishments under the scope of the survey are found. With regard to Electricity data, the survey covered only the electricity supplied by the Ethiopian Electric Power Corporation. In other words the negligible electric power services supplied by the other sources are not included in the survey.

Like the previous years, in the current survey an attempt was made to update the directory using as source of information the licenses issued by the Ministry of Industry and corresponding bureaux of the Regional States of the country for the large public sector industries and for the private establishments including co-operatives. Furthermore, due to various efforts made to include all the establishments under the scope of the survey, in this reference year the number of establishments covered by the survey increased by 140 than that of the previous survey period.

In this publication detailed information on number of establishments, number of persons engaged and number of employees, wages and salaries paid by industrial group, sex, nationality and occupation, initial capital, gross value of production, industrial and non-industrial costs, value added, operating



surplus, quantity of production and raw materials, fixed assets, investment and capacity are presented.

## 2. Basic Concepts and Definitions:-

- (i) An Establishment:- is defined as the whole of the premises under the same ownership or management at a particular address. (e.g. a bakery, a sawmill, ...etc.).
- (ii) Initial Capital:- is that part of the issued capital of an establishment that has been paid by the shareholders or the individual owner to start the operation.
- (iii) Working Proprietors, Active Partners and Family Workers:- include all unpaid working proprietors, active partners and members of their household who actively participate in the operation of the establishment.
- (iv) Administrative and Technical Employees:- include salaried directors and managers, technicians, superintendents, research workers, draftsmen and designers, engineers, chemists, architects, accountants, book-keepers, office machine operators, receptionists, sales men, delivery personnel, guards and other office staff.
- (v) Production Workers:- include workers directly engaged in production i.e., persons engaged in fabricating, processing, assembling, maintenance, repair, janitorial, record keeping and other associated activities.

- (vi) **Seasonal and Temporary Workers**:- include workers who are employed for a whole or a part of the year. These workers are not regularly on the payroll of the establishment.
- (vii) **Number Employed**:- includes all persons on the payroll whether seasonal or temporary workers. The number of seasonal and temporary workers has been adjusted to give equivalent of full-time workers.
- (viii) **Number Engaged**:- includes paid employees and working proprietors, active partners, and unpaid family workers.
- (ix) **Basic Wages and Salaries**:- includes all payments in cash made to employees during the reference year. It excludes commissions, bonuses, professional and hardship allowances.
- (x) **Wages and Salaries**:- includes all payments in cash or in kind made to employees during the reference year in connection with work done for the establishments.
- (xi) **Commissions, Bonuses, Professional and Hardship Allowances**:- refer to the total of commissions, bonuses and cost of living allowances paid in cash to employees. This excludes car allowance and per diem.
- (xii) **Supplements to Wages and Salaries of Employees**:- represents payments made by the employer on behalf of his employees. Included are employers' contribution to social security systems, insurance premiums, ...etc. Only payments made by the employer are included here.

- (xiii) **Revenue from Sales:-** represents the total sales value of all products and by-products during the reference year valued at market price.
- (xiv) **Receipt from Industrial Services Rendered to Others:-** include all contract, repair and maintenance work done to others on raw materials supplied by the customer.
- (xv) **Receipt of Products Bought and Resold:-** is the value including taxes of all goods resold during the reference year without any transformation or processing.
- (xvi) **Other Receipts:-** include rental income from lease of machinery and equipment, income from sales of scrap and the value of fixed assets produced by the unit for its own use.
- (xvii) **Difference of Stocks in the Value of Finished Goods and Semi-Finished Goods:-** is the net change between the end and the beginning of the reference period in the value of finished and semi-finished goods.
- (xviii) **Gross Value of Production:-** includes the sales value of all products of the establishment, the net change between the beginning and end of the reference period in the value of finished goods and the value of work in-progress, the value of industrial services rendered to others, the value of goods bought and resold without any transformation or processing, and the value of fixed assets produced during the reference period by the unit for its own use. The valuation of Gross Value of Production is in terms of producers' values where indirect taxes are included in the value of sales of the establishment and the value of subsidies received is excluded.

- (xix) **Raw Materials**:- include all raw and auxiliary materials, parts and containers which are consumed during the reference year. The value of local raw materials is the value of locally produced raw materials and is the cost at the factory which includes the purchase price, transport charges, taxes and other incidental costs. The value of imported raw materials is the value of raw materials produced in other countries and obtained directly or from local source and is the cost at the factory which includes the purchase price, transport charges, taxes and other incidental costs.
- (xx) **Other Industrial Services Rendered by Others**:- refer to contract, repair and maintenance work done by others in the reference year on materials controlled by the establishment. Included are also the cost of all goods purchased and resold without any transformation during the reference year and the cost of water consumed.
- (xxi) **Industrial Cost**:- Includes the cost of raw materials, fuels, and other supplies consumed, cost of industrial services rendered by others, cost of goods bought and resold without any transformation or processing and cost of electricity consumed.
- (xxii) **Non-industrial Cost**:- includes payments like professional fees, postage, telephone, insurance, advertising, hired transport, rental payments, etc. (depreciation is excluded).
- (xxiii) **Census Value Added ( at Market Price)**:- is the difference between Gross Value of Production and Industrial Cost. Census Value Added at