MANUFACTURE OF NON-ELECTRIC MACHINERY AND EQUIPMENT

Presentation
This note relates to the metadata of the follow-up production account. Thus, it describes the definition, range, sources, and methodology used in preparing follow-up production accounts.

Definition
This industry involves the manufacture of motors and turbines, pumps, compressors, faucets and valves; manufacture of transmission parts and gears; manufacture of furnaces, lifting and handling equipment, and other machinery (scales, refrigerated showcases, air conditioners, etc.); manufacture of special-use machinery (agriculture and livestock, metallurgy, mine exploitation, etc.); and manufacture of household appliances (refrigerators, washing machines, microwave ovens, etc.); and office, accounting and IT machinery.

The following variables are measured: Gross Output, Intermediate Consumption, and Value Added for the Manufacture of Non-electric Machinery and Equipment industry.

Source Data

Administrative Records

Economic Surveys

Balance Sheets and/or Financial Statements
- Source Name: Annual Reports and Balance Sheets of companies. Reporting Institution: Companies in the industry. Data used: Operating income and expenditure, and depreciation of fixed assets. Frequency: Annual.
- Source Name: FECU reporting form (Uniform Coded Statistical Record). Reporting Institution: Superintendence of Securities and Insurance (SSI). Data used: Operating income and expenditure, and depreciation of fixed assets. Frequency: Quarterly.
Statistical Forms & Reports

- **Source Name**: Industry Reports.
  - **Reporting Institution**: Chilean Association of Steel and Metal-mechanical Industries (ASIMET)
  - **Data used**: Output indicators, metallurgical and metal-mechanical industries.
  - **Frequency**: Annual.

Other Statistics

- **Source Name**: Price and volume records.
  - **Data used**: Consumer Price Index (CPI), Wholesale Price Index (WPI), Unit Value Index (IVU), and imports and exports by product group.
  - **Frequency**: Monthly.

Compilation method

The compilation method to transform source data into the production account consists of the following stages:

Aggregation, imputation and validation

Validations and Imputations

The imputation process is based on the analysis of Income/Costs ratios by sub-industry and/or tier. Additionally, information relevant to this industry undergoes different statistical validations.

Classification

The information used for preparing the Production Account of this industry is classified as per the International Standard Industrial Classification Rev. 3 (ISIC Rev.3). Products associated to this industry are classified in terms of the Central Product Classification (CPC).

Estimation Procedures

Generally, the procedures used for estimating the follow-up production account depend on the information sources available.

- In the benchmark compilation, every five years, there is often more complete information available; it is then possible, with the source data, to determine the “best level” for the production account components.
- There is generally less complete information for follow-up compilation. So, in order to obtain the “best change”, prices, quantities, and values from the source data above detailed are used as indicators, whose changes are applied to the levels of the 2003 benchmark production account, by extrapolation, deflation, infactation, and identities.

The key aspects of the calculation procedure for the main aggregate transactions or variables of the Manufacture of Non-electric Machinery and Equipment follow-up production account are shown below.

i) Gross Output (GO). Value at constant prices is obtained by deflation of nominal value. Value at current prices is determined by extrapolation, using value indexes.

ii) Intermediate consumption (IC). Value at constant prices is obtained by extrapolation, using GO as a single indicator. Value at current prices is determined by infactation of records at constant prices.

iii) Value Added. Value at constant prices is determined by extrapolation, using GO as a single indicator. Value at current prices is obtained as the difference
between the GO (at basic prices) and the IC (at purchaser prices).

**Data Reconciliation**

At a first pre-balancing stage, the results of the production account of this industry are validated with the above verification sources and with the imports and exports records.

The results obtained are analyzed, in terms of temporal consistency, with other statistics and reports from specialized bodies, with relation to price and quantity indicators. In the same way, inter-temporal behavior of series is analyzed in both nominal and real terms.

The aggregate Manufacture of Non-electric Machinery and Equipment account is submitted to the balancing processes within the supply-use table framework of follow-up production accounts.

**Data Access**

**Publication**

This industry is a component of the Metallic Products, Machinery and Other n.e.c. group of the CBCH's publications, except for benchmark compilation years disseminated for 73 industries.

**Production Account**

- **Period:** 2003 through 2007, Base 2003
  - **Link:** [http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01e.htm](http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01e.htm)
  - **Tables:** 1.37 through 1.41

- **Period:** 1996 through 2005, Base 1996
  - **Link:** [http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01b.htm](http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01b.htm)
  - **Tables:** 1.30 through 1.47

- **Period:** 1986 through 1998, Base 1986
  - **Link:** [http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg16a.htm](http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg16a.htm)
  - **Tables:** 1.29 through 1.56

**Value Added and GDP**

- **Period:** 1960 through 1985, Base 1977