



National Bureau of Statistics



Ministry of Industry, Trade and Marketing



Confederation of Tanzania Industries

Annual Survey of Industrial Production and Performance, 2008

Statistical Report



United Nations Industrial Development Organisation

September, 2010

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ABBREVIATIONS

n.e.c	Not elsewhere classified
T.shs	Tanzanian shillings
“-”	Means zero
()	Means Negative
000’	Thousands
ASIP	Annual Survey of Industrial Production
Parties	MITM, NBS and CTI
ISIC	International Standard Industrial Classification
G.O.S	Gross Operating Surplus
MITM	Ministry of Industry, Trade and Marketing
NBS	National Bureau of Statistics
CTI	Confederation of Tanzania Industries
GDP	Gross Domestic Product
NDV	National Development Vision
UNIDO	United Nations Industrial Development Organisation
NSGRP	National Strategy for Growth and Reduction of Poverty
UN	United Nations
MoU	Memorandum of Understanding
IT	Information Technology

ACKNOWLEDGEMENTS

This statistical report shows the performance of industrial sector based on an industrial survey that was undertaken jointly by the Ministry of Industry, Trade and Marketing (MITM); the National Bureau of Statistics (NBS); and the Confederation of Tanzania Industries (CTI). The report is being issued together with the Analytical Report. The statistics presented reflect the contribution of the industrial sector to the economy.

The Survey Executive Committee was comprised of Ms. Joyce K.G Mapunjo, the Permanent Secretary, MITM; Dr. Albina A. Chuwa, the Director General, NBS; and Ms. Christine Kilindu, the Executive Director, CTI.

The survey management team was comprised of Ms. E.S. Sikazwe, Director of Industry Development, MITM; Mr. M. Oyuke, Director of Economic Statistics Directorate, NBS; and Mr. H. Kamote, Director of Policy, CTI. Others were Eng. E.N Pallangyo, Assistant Director Industrial Research and Investment Section, MITM; Eng. P.B Marwa, Assistant Director Industrial Support and Promotion Section, MITM; Mr. S. Mbaruku, the former Director of Economic Statistics Directorate, NBS; and Ms. J. Sawe, Industrial and Construction Statistics Manager, NBS.

The core field research team was composed of Mr. F. Khalfani, Mr. A.M. Mnyenyelwa, Mr. J. K Mwambeso, Ms. M. Warioba, Ms. A. V. Kamara, Ms. Veronica C. Mwangoka, Mr. G. Mockray, Mr. E. D. Kitundu. Other members of the Survey Team from MITM, NBS, and CTI included Mr. W. Ndossi, Ms. M. Ikongwe, Ms. N. Ngali, Mr. G. Mrimi, Ms. N. Mjema, Ms. S. Lugongo, Ms. F. Zimamoto and Mr. G. Mackanja for their tireless efforts and great contributions at different stages of the survey, we say thank you.

Management team is indebted to a number of institutions and people who supported it in many ways while carrying out the industrial performance survey. The inputs of representatives of the private sector like Tanzania Chamber of Commerce, Industry and Agriculture (TCCIA); the individual investors and industrial entrepreneurs, have ensured that the findings in this report reflect the realities on the ground.

We are also grateful to the Ministry of Finance and Economic Affairs, Planning Commission and the Prime Ministers' Office through Regional Administration and Local Government Authorities in all the twenty one (21) regions on Tanzania Mainland where this survey was undertaken. We highly appreciate the invaluable support from the Regional Commissioners, Regional Administrative Secretaries, District Commissioners, Regional Statistical Officers, Regional and District Trade Officers for their assistance and facilitation in many ways while undertaking the survey. We also thank the Tanzania Investment Centre (TIC) and the Bank of Tanzania for their invaluable inputs and contributions to this report.

Likewise we extend special thanks to UNIDO ("Delivering as *One UN* ") for the assistance to improve the Industrial Statistical System in Tanzania Mainland, Dr. Haji Semboja, *UDSM (National expert in this survey)*, Mr. G. G. Mshana (*National consultant in this survey*), Mr. Yoshiyasu Mizuno (*Industrial expert at MITM*), Mr. E. Mhede and Mr. F. Roman for their valuable comments and inputs on the drafts of this report.

Dr. Albina A. Chuwa
Director General, National Bureau of Statistics
September, 2010

TANZANIA MAINLAND PROFILES

Tanzania lies just south of the equator between the great lakes of Victoria, Tanganyika and Nyasa on one hand and the Indian Ocean on the other . Tanzania has frontiers with eight countries and including 60,000 square kilometres of inland water has a total area of 945,000 square kilometres. This is about the same size as Nigeria and little smaller than France and Spain combined. Except for a narrow belt along the 900 kilometres coast, most of its land lies above 200m. altitude, and much of the country is higher than 1,000 metres, above sea level. In the north Mt. Kilimanjaro, with a permanent ice cap, rises to over 5,500 metres, with the highest peak Kibo reaching 5,895 metres. While this is the highest point in Africa the lowest point is to be found somewhere along the floor of lake Tanganyika.

A distinctive feature of Tanzania is the rift valley whose form is marked in many places by long, narrow and deep depressions often filled with lakes. The great Rift Valley runs from near the mouth of the Zambezi River northward through Tanzania, Kenya, Ethiopia and across the Red Sea to Israel. Lake Tanganyika lies in the Western rift, which continues northwards through Lake Kivu.

The rivers flow into the India Ocean or the Great Lakes. However, most of them cease flowing during the dry season, and only the Rufiji, entering the Indian Ocean opposite Mafia Island and the Kagera, flowing into Lake Victoria, are navigable by anything larger than a canoe.

Lake Tanganyika drains into the Congo River system hence into the Atlantic Ocean. Lake Nyasa waters reach the Zambezi, hence the Indian Ocean. Lake Victoria, which differs from other major lakes of Tanzania in that it has been formed by a gentle down-warping of the earth's crust in a shallow subsidence, drains into the Nile, hence into the Mediterranean Sea.

Woodland, bush land and wooden grasslands, are the predominant types of vegetation. The main climatic feature is the long dry spell from May to October, followed by a period of low rainfall, which is often concentrated into relatively few days of heavy showers.

The main rainy season on the coast is from March to May but there is a second season from October to December; total rainfall increases towards the north. Around Lake Victoria rainfall is well distributed throughout the year but there is a peak during March to May.

Source: National Bureau of Statistics – Tanzania in Figure

EXECUTIVE SUMMARY

In 2008, the number of large industrial establishments operating on Tanzania Mainland was 729. The highest concentration of these establishments was in Dar es Salaam (383) followed by Arusha (51), Mwanza (39), Singida (27), Tanga (27), Kagera (26) and Kilimanjaro (24).

Of the total establishments, 643 were privately owned while 72 were publicly owned and 14 in the remaining establishments were mixed. The industrial establishments that were owned by nationals were 549 and establishments reported to be wholly foreign-owned were 121 while 59 establishments were joint ventures

Out of the 729 industrial establishments in 2008, the majority (680 or 93 percent) were in the manufacturing sector.

The total number of persons engaged in the 729 industrial establishments was 117,622 of whom 107,388 were in manufacturing. Establishments in Dar es Salaam employed the largest number of workers at 34,554 (29 percent) persons of whom 31,713 were in manufacturing.

The 643 private establishments employed a total of 103,237 workers compared to 12,394 in 72 public establishments.

Establishments which were owned by nationals employed 53,950 compared to 42,192 persons that were in foreign owned establishments. The jointly owned establishments had 21,515 workers.

The 729 of the industrial establishments paid a total of Tsh. 435,744 million as compensations to their employees.

The gross output or total value of goods and services produced by the industrial establishments amounted to Tsh. 5,859,862 million in 2008. Sales of goods amounted to Tsh. 5,739,361 million of which 14 percent or Tsh. 807,636 million were exports comprised mainly by food products. Receipt from services amounted to only Tsh. 38,519 million.

The total cost of production, i.e. intermediate consumption amounted to Tsh. 3,735,398 million of which Tsh. 2,820,556 million represented the cost of raw materials purchased.

An analysis of value added by industry group shows that nearly 84 percent of total value added (or Tsh. 1,797,383 million) was from industrial establishments in 2008 came from the “Manufacturing” sub-sector.

1.0 OVERVIEW

1.1 Introduction

Tanzania Mainland with an area of 945,000 square kilometres lies south of the equator and had an estimated population of around 38.3 million people in 2007. The economy, which grew by 7.1% in 2007 compared to 6.7% the previous year, is heavily dependent on agriculture. However, tourism is one of the dynamic sectors with significant growth in recent years. The industrial sector which comprises Mining/Quarrying, Manufacturing and Electricity, Gas and Water supply contributes an estimated 13.3% of GDP and is dominated by “food processing”, “beverages and tobacco”, “manufacture of non-metallic products” and “manufacture of chemicals”. However, it has the potential to contribute substantially towards employment creation, exports, revenue generation and economic growth. In the short and medium term, it is considered as the engine of growth which can transform the economy from a low productivity agricultural one to a highly productive industrialized one. Promotion of industrialization is enshrined in the Tanzania Development Vision (TDV) 2025 and the National Strategy for Growth and Reduction of Poverty (NSGRP).

In order to monitor the sector correctly, more information need to be collected and analyzed for use in planning and other purposes. One of the objectives of the government is to upgrade and modernize the approach to data collection, processing and dissemination of reliable statistics.

UNIDO has provided assistance to improve the Industrial Statistical System in Tanzania Mainland in order to provide coherent, relevant, timely and reliable industrial statistics for knowledge-based industrial policy making. The objective of the Industrial Statistics sub-component was to enhance the capacity of the Ministry of Industry, Trade and Marketing (MITM), the National Bureau of Statistics (NBS) and the Confederation of Tanzania Industries (CTI) to collaborate in the collection, compilation, analysis, report writing and dissemination of industrial statistics.

The first mission was fielded by the UNIDO Industrial Statistician in September 2008 during which an assessment of the data needs of different users was made and a work plan was proposed for the implementation of the recommended activities.

The second mission was undertaken in January/February 2009 as a follow up on the progress made and organized training in Industrial Statistics with emphasis on the utilization of the revised international recommendations for industrial statistics released in 2008. Following recommendations made previously for the improvement of the Industrial Statistical System in Tanzania the following were agreed:

- i. To conduct a joint Annual Industrial Survey involving the MITM, the National Bureau of Statistics and the Confederation of Tanzanian Industries (CTI).
- ii. To put in place an appropriate coordination mechanism between the MITM, NBS and CTI through setting up the Executive, Steering and Technical Committees and sign Memorandum of Understanding (MOU) for implementation of statistical activities including the conduct of the survey.

A third mission was undertaken in April/May 2010 by the UNIDO Industrial Statistician for the purpose of final data cleaning, generation of preliminary and final tables, and the production of the statistical report.

This report gives the major findings of the survey conducted in 2009 for the calendar year 2008 in regard to industrial establishments with ten or more workers. The survey was conducted under the provision of the Statistics Act 2002. The results are based on the UN

international recommendations for industrial statistics. It is hoped that the results will be of use to those engaged in planning, decision making and policy formulation.

1.2 Objective of the survey

The Survey aimed at producing basic statistics according to UN international recommendations for industrial statistics. The survey was also intended to:

- i. Collect statistics on the operating characteristics and structure of industrial establishments operating in the country;
- ii. Assess the contribution of industrial sector to the overall economy;
- iii. Obtain data for computing national accounts estimates;
- iv. Obtain data for construction of Input-Output tables

1.2.1 General objective

To collect and establish data that would serve for future monitoring and evaluation of implementation of adopted industrial policies, programmes and strategies. The survey aimed at providing information on the economic characteristics of Tanzania's industrial sector to management, policy makers and the private sector for uses in planning, policy formulation/review and monitoring and evaluation of government programmes aimed at improving the sector.

1.2.2 Specific objectives

- (i) To assess the current status of the industrial sector in the country;
- (ii) To identify conditions that affect firm-level productivity and competitiveness;
- (iii) To secure inputs for use by the Government and other organs in developing/reviewing policies, programmes and strategies that support sector-productivity growth;
- (iv) To provide the private sector with facts to support dialogue with Government and other partners so as to enhance public-private sector partnership; and
- (v) To update existing data at the level of industrial establishments.

2.0 TERMS AND DEFINITIONS

2.1 Employees: (operatives and other employees)

Persons who during the reference period performed some work for an agreed amount of pay in cash or in kind. It includes operatives, and all persons employed on permanent, temporary or on casual terms

2.2 Operatives

These are workers who are directly engaged in the production or related activities of the establishments including any clerical or working supervisory personnel whose function is to record or expedite any step in production process. They are paid workers who perform essentially manual work that is a direct part of the industrial activity of the establishment. Included in this group are persons engaged in extracting, packaging, inspecting or shipping of goods as well as persons engaged in clearing, maintenance, testing or record keeping services and working foremen.

2.3 Other employees

Includes all paid workers other than the operatives. It includes all personnel in production management above the working foremen, managerial, technical, clerical and other office workers. Directors and all others who are not in receipt of regular pay are excluded.

2.4 Persons engaged

This is the total labour force comprising of operatives, other employees, working proprietors and unpaid workers.

2.5 Compensation of employees

Compensation of employees comprises all payments on wages and salaries to employees both in kind and in cash as well as contributions to social security, private pensions, casualty insurance and similar schemes.

2.6 Wages

All cash payments made by the employer to the operatives in connection with the work done. It includes bonuses, overtime, cost of living allowances, commissions and payments made during vacation, sick leave, maternity or casual leave.

2.7 Salaries

All cash payments paid to other employees, commissions and other allowances in connection with the work done. It also includes bonuses and overtime payments.

2.8 Benefits in kind

These are payments made in kind to employees. It is the net cost to the employer of those goods and services given to employees free of charge or at markedly reduced prices. They include food, beverages, tobacco, household clothing etc.

2.9 Intermediate or production costs

Intermediate consumption/production costs of industries covers durable and non-durable goods and services used up in production, including repairs and maintenance of the capital stock, research and direct outlays in the financing of capital formation such as transfer costs involved in purchases of land and intangible assets. The consumption of materials and supplies is the total cost of purchases adjusted by change in stocks of raw materials.

2.10 Gross output

Gross output covers the value in the market of industrial goods and services produced including work in progress and products for own use. Value of goods sold is adjusted by the change in stocks of finished goods and work in progress.

2.11 Gross valued added

Gross value added is equal to gross output less the value of the intermediate consumption/production cost. The sum of the value added of all domestic producers gives the contribution to the Gross Domestic Product (**G.D.P**). Gross Value added may be at factor cost, basic prices or at producers' prices depending on the treatment of taxes on production and subsidies. Value added at basic prices is obtained as the difference between gross output and intermediate consumption whereby output is valued at basic prices and intermediate consumption at purchasers' prices.

2.12 Net value added

This represents the difference between gross value added and the depreciation.

2.13 Gross operating surplus

Gross operating surplus is defined as the excess of value added over the cost of workers' compensation.

2.14 Depreciation

Represents the estimated allowance for wear and tear of fixed assets during the respective accounting year. Throughout this report, the unit of value is the Tanzania shilling.

2.15 Expenditure on fixed assets

This is the sum of the cost of new or old capital equipment acquired and value of assets produced on own account construction. Improvements and major alterations to existing fixed assets are also included

2.16 Gross additions to fixed assets

This is the expenditure on fixed assets (additions) less total disposals of fixed assets

2.17 Value of Inventories (stocks)

This item is comprised of the value of all materials and supplies, fuels, finished and semi-finished products and goods for resale, held by, or under the control of, the establishment (at the establishment or in ancillary or other warehouses).

2.18 Basic price

The basic price is the amount receivable by the producer exclusive of taxes on products and inclusive of subsidies on products. It includes taxes on production.

2.19 Purchasers' price

The purchasers' price is the amount payable by the purchaser exclusive of deductible taxes on products (e.g. deductible value added tax).

2.20 Size

In the tables, which show results by size, the following descriptions are used:

10 - 19	-	Establishments with 10 to 19 persons engaged
20 - 49	-	Establishments with 20 to 49 persons engaged
50 - 99	-	Establishments with 50 to 99 persons engaged
100 – 499	-	Establishments with 100 to 499 persons engaged
500+	-	Establishments with 500 or more persons engaged

2.12 Ownership

In the tables, which show results by ownership, the following descriptions are used:

Public; All establishments owned by government and all companies in which government has 50 percent or more shares capital.

Private; All establishments owned by private, all companies in which government has less than 50 percent shares capital, companies under Regional or District Cooperative Unions, companies under Cooperative Societies and other companies not stated above.

2.22 Formulae for derived statistical variables

- (i) Gross output = Total 5.2 + 5.333 + Total (Additions from own production) + Total 5.3 + Total 5.32 – 5.323 – 4.21 + 6.3(Closing – Opening) + 6.4(Closing – Opening) + 6.5(Closing – Opening)

(ii) Intermediate Consumption = Total 4.1 + Total 4.22 + Total 4.31 + Total 4.32 + 3.06 – 6.1(Closing – Opening) – 6.2(Closing – Opening)

(iii) Expenditure on non-industrial services = Total 4.32 + 3.06

(iv) Receipt from non-industrial services = Total 5.32 – 5.323 – 4.21 + 6.5(Closing – Opening)

☐ Compensation of employees = Total 3 – 3.06 – 3.07

(vi) Taxes on production = 4.45

☐ Subsidies = 5.333

(viii) Value added = (a) – (b)

(ix) Gross operating surplus = (h) – (e) – (f) + (g)

☐ No. of employees = (2.33 + 2.34 – Total (2.21 + 2.22) – Total (2.23 + 2.24)) for both Tanzanian + Foreign

3.0 METHODOLOGY

3.1 Reference period

Data on fixed assets and working capital were requested for and supplied on financial year basis, while the rest of the data was requested for and in many cases supplied on a 2008 calendar year basis. Those establishments that could not supply data according to calendar year due to allocation problems were advised to supply the data according to the financial years that covered larger part of the reference calendar year.

3.2 Industrial classification

Establishments were classified into industries on the basis of major activity in conformity with the International Standard Industrial Classification (ISIC) Revision 4. Each industry is basically defined in terms of its principal products or services, these being similar in nature or commonly associated in production

3.3 Unit of enquiry

This is an establishment defined as an economic unit which engages under a single ownership or control in one, or predominantly one kind of economic activity at a single physical location i.e. an individual firm, mine, factory or workshop. However, for certain firms which could not furnish separate data on an establishment basis, the enterprise was used as the unit of enquiry. It should be noted here that due to record keeping practices of some firms, it has not been possible in every case to strictly follow the definition of an establishment as stated above. There for in a few cases, the restrictions especially on location were relaxed.

3.4 Scope and coverage of the survey

The survey covered all industrial establishments with ten or more workers. The survey coverage comprised of 729 establishments.

According to the latest UN International recommendations, the industrial sector is comprised of establishments engaged in “Mining and quarrying” (ISIC Revision 4, Section B), “Manufacturing” (Section C), “Electric power generation, transmission and distribution” (Section D) and “Water collection, treatment and supply” (Section E).

Manufacturing, according to international recommendations, is defined 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 prices.

3.5 The questionnaire

The questionnaire was designed according to “The International Recommendations for Industrial Statistics” of the United Nations and took into consideration the requirements of the stakeholders. The information collected satisfies the needs of national accounts and are considered to be useful to the government, researchers and the business community. For the questionnaire used, see Annex A.

The following, was the information collected through the questionnaire

3.5.1 General Information

Name, address, telephone number, principal activity and type of ownership etc.

3.5.2 Employment

Persons Engaged refers to average number of employees (operatives and other employees), working proprietors and unpaid family workers.

3.5.3 Labour costs

Wages, salaries, benefits in kind and employers contribution to social security schemes.

3.5.4 Inputs/purchases

Value of raw, packaging and chemical materials consumed, cost of re-sales, services received and other costs.

3.5.5 Output

Quantity and value of principal products manufactured, sales and service rendered to other firms, value of capital goods constructed by the establishment for own use and the value of subsidies received.

3.5.6 Inventory of working capital

Value of stocks of materials and stores, finished products and work in progress at the beginning and end of the accounting year.

3.5.7 Expenditure on fixed assets and depreciation

Capital expenditure on land, buildings and structures, machinery/equipment, vehicles and other fixed assets during the accounting year. Depreciations and disposals made on the respective fixed assets.

3.6 Response

Of the 874 surveyed establishments, 39 were found to be either closed or engaged in non-industrial activities. Out of the remaining 835 establishments 106 were small as then were operating with fewer than ten workers. The number of potential respondents therefore stood at 729. However, of these 52 did not respond to the survey despite all effort made by the fieldworkers. For these establishments, production estimates were worked out based on their previous responses to the NBS surveys. The production data presented in this report therefore refer to the 729 industrial establishments.

3.7 Data collection

Data collection was undertaken by a trained team of 33 enumerators under the supervision of 16 supervisors. Training of field-staff took place from 28th September to 6th October 2009. The NBS was responsible for the training of supervisors which was held in Dar es Salaam for

3 days. The Supervisors were then responsible for the training of enumerators in their respective regions.

Fieldwork started on the 7 October 2009 and was completed by the end of March 2010. The field-staff recruited in the 21 regions visited all establishments and helped in filling in the questionnaires. Respondents were asked to provide the data from their accounting records for calendar year 2008.

3.8 Data processing

Completed questionnaires were sent to the NBS headquarters in Dar es Salaam where they were edited and coded by MITM, NBS and CTI staff. The data entry system used was CSPro after which the data were transferred to Microsoft Access for generation of tables. The editing exercise was carried out on all questionnaires and estimates were made for the 52 establishments by means of substitutions using their 2007 responses. The cleaned dataset was then used to generate the preliminary tables as per tabulation plan. The statistical expert subsequently worked on the consolidation and formatting of the final tables.

3.9 Organisation of the report

The report presents the industrial statistics according to the latest UN recommendations (2008). The tables are grouped separately at the end of the report and refer to establishments with 10 or more workers. In total, there were 729 such establishments operating at the time of the survey.

The report also presents the main results relating to qualitative information that were also collected through the survey. Tables referring to such information are integrated within the section giving the major findings. The tables therefore refer to the respondents only as indicated therein.

4.0 MAJOR FINDINGS

The Industrial Sector on Tanzania Mainland is relatively small but growing quite rapidly. According to national accounts estimates compiled by the NBS, the sector accounted for around 13.3% of GDP in 2007. The present survey reveals that, within the sector, manufacturing activities represent 84% in terms of value added but over 91% in terms of employment. The manufacturing sector is rightly seen as having the potential to contribute substantially towards employment creation, exports, revenue generation and economic growth.

4.1 Industrial statistics of establishments

4.1.1 Introduction

Taking into consideration the reliability and precision of the data and to ensure confidentiality of information at individual establishment level, data have been classified in 19 main industrial groups of ISIC Revision 4.

4.1.2 Limitations of the presented statistics

This survey was the first to be jointly conducted by “parties”. The survey results comprise a comprehensive data set, which the parties as well as other users can make best use of. However, the users are cautioned that the survey had limitations which are listed below:

- i. The survey was conducted according to the international recommendations for industrial statistics. The tendency among establishments to hide information relating mainly to outputs and to over-report on inputs due to the belief that information supplied would be transmitted to the income tax authorities were apparent and dealt with in this exercise. The regular conduct of such surveys would help in dissipating this fear and at the same time improve the quality and reliability of the information supplied.
- ii. A number of establishments were engaged in several equally important but dissimilar activities. Because of non-availability of separate records, these establishments have been classified according to the activity with the highest output. Figures relating to a particular ISIC group might, therefore, include data for other secondary activities as well.
- iii. Many establishments could not provide detailed information for certain items such as:
 - a. Consumption of electricity, water and fuels separately
 - b. Purchase of raw materials and sales from own production by main product,
 - c. Values of stocks as well as values of fixed assets by type
 - d. Level of stocks and assets.

These and other missing data had to be estimated

- iv. A number of establishments do not have books of accounts.

The report includes tables on sales and purchases by product category. These should, however, be used with caution since many establishments did not report such details.

The above limitations, however, have no serious effect on the overall quality and reliability of the survey results. Statistics presented in this report reflect the current status and structure of the large establishments Tanzania Mainland's industrial sector. The Government, business community and other users can make very good use of these results, which constitute the only available information based on international recommendations for industrial statistics. In making use of the survey results in statistical/economic analysis, users to keep in mind the above limitations.

4.1.3 Number of establishments

The numbers of industrial establishments that engage 10 or more person and operated on Tanzania Mainland were 729 in 2008. The highest concentrations of such establishments were in Dar es Salaam (383) followed by Arusha (51), Mwanza (39), Singida (27), Tanga (27), Kagera (26) and Kilimanjaro (24). (**Annex Table 1**)

Of the total establishments 643 were privately owned followed by publicly owned (72) and mixed ownership (14). The industrial establishments that were owned by nationals were 549, and the wholly foreign-owned were 121, the remaining 59 were in joint venture (**Annex Tables 2 and 3**).

Out of the 729 industrial establishments in 2008, the majority (680 or 93 percent) operated in the manufacturing sub-sector. Within this sub-sector, 240 were engaged in the "manufacture of food products, beverage and tobacco" with 203 solely in food manufacturing. Other important activities were "manufacture of furniture" (96), "manufacture of grain mill products" (61), "Printing" (54), "manufacture of rubber, plastics and non-mineral products" (41), "manufacture of basic metals and other metal products" (38), "manufacture of chemicals" (37) and "manufacture of vegetables and animal oils and fats" (31). **Annex Table 3** gives more details on the number of industrial establishments by important industry group.

There were 45 establishments engaging 500 or more persons of these 41 were in manufacturing. Out of the 45 establishments that engage 500 or more persons 11 were in Dar es Salaam. Arusha and Morogoro had 6 establishments each. The number of establishments engaging with 10 but less than 50 workers was 431. The number of establishments that engage 50 and up to 99 persons was 106 while those engaging 100 up to 499 persons were 147 (**Annex Tables 4 and 5**)

The following was the distribution of establishments by type of legal organisation: private limited companies (347), private companies (193), sole proprietorships (71), public (30), partnerships (29), parastatals (27), Cooperatives (26), and others (6). (**Annex Table 6**).

Of the establishment operating in 2008, 224 (30.7%) were establishments before 1990. The remaining establishments were established as follows: 1990 – 1994 (59, 8.1%), 1995-1999 (135, 18.5%), 2000-2004 (167, 22.9) and 2005 or later (144, 19.8) (**Annex Tables 7 and 8**).

4.1.4 Employment and compensation of employees (wages and salaries)

The total number of persons engaged in the 729 industrial establishments was 117,622 of whom 107,388 were in "manufacturing". Establishments in Dar es Salaam at 34,554 (29%) employed the largest number of workers of whom 31,713 were in "manufacturing". Other regions which had relatively significant numbers of workers were Morogoro (19,474), Arusha (15,174 of whom 6,207 in textiles manufacturing), Iringa (12,779), Tanga (6,152), Kagera

(5,926) and Kilimanjaro (6,639). Employment in the other regions ranged between 201 in Lindi to 5,245 in Mwanza (**Annex Table 9**).

The 643 private establishments employed a total of 103,237 workers compared to 12,394 by the 72 public establishments. The 14 other (mixed) establishments had 1,991 workers (Table 10).

Establishments which were owned by nationals employed 53,950 persons compared to 42,192 by the foreign ones. The jointly owned establishments had 21,515 workers (**Annex Table 11**)

Most of the workers 70,089 (60%) were employed by the 45 establishments that were in the 500 or more size group. The 11 establishments in this category which were in Dar es Salaam had a total of 10,350 workers while Morogoro and Arusha each with 6 such establishments employed 18,353 and 11,747 persons respectively. (**Annex Tables 12 and 13**)

Out of the 107,388 workers in “manufacturing”, 43,792 were in food product manufacturing. Other important industry sub-sectors in terms of employment were “manufacture of other textiles” (13,430), “manufacture of beverages and tobacco products” (12,593), “manufacture of rubber, plastics and non-mineral products” (6,685), “manufacture chemicals including pharmaceutical products” (4,687), “printing” (3,695) and “manufacture of basic metals and fabricated metal products” (3,213). Details of employment by industrial activities are shown in **Table 14**.

Establishments which started operation before 1990 employed 62,660 workers. The establishments which started operation during the 2000 to 2004 period employed 20,390 while those that were established after 2005 employed 12,615 workers (**Annex Table 15**).

From 30th June 2008 to 31st December, 2008 the number of persons increased from 110,839 to 111,073. **Annex Tables 17 and 18** give the details by industry and region respectively.

Annex Tables 19 and 20 show the distribution of persons engaged by employment status and sex. Out of the 111,622 workers, 83,450 (71%) were males. The paid employees were 116,381 comprised of 16,474 managerial and professional staff, 95,296 operatives (52,063 skilled) and others were 4,611. There were 1,685 foreign workers of whom 1,518 were males.

4.1.5 Gross Output

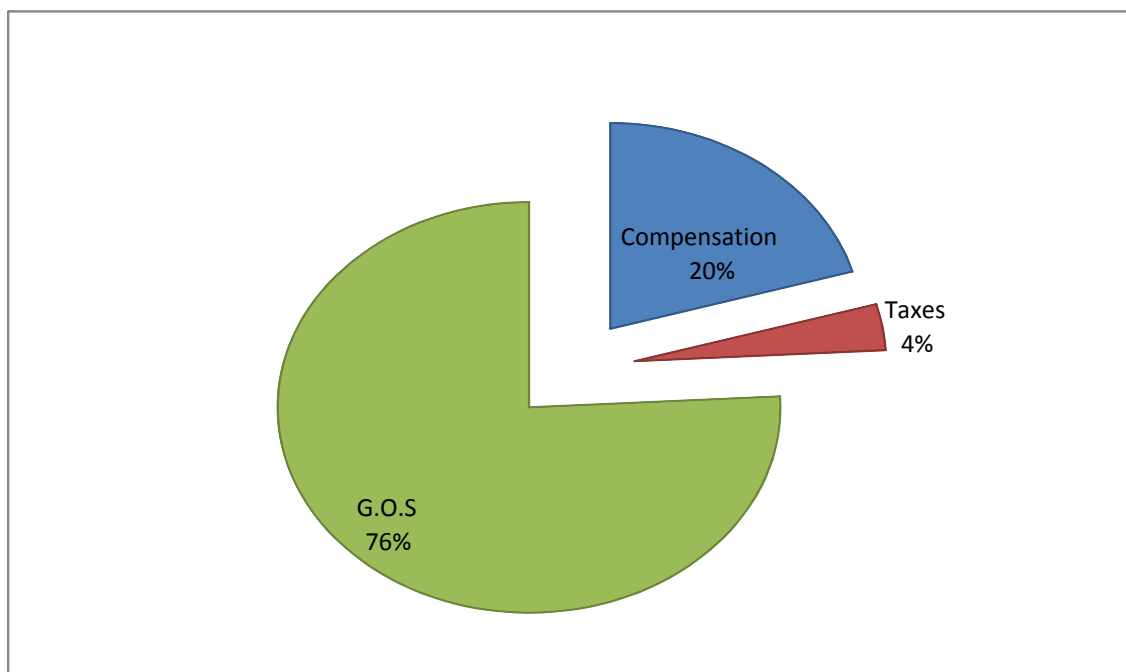
The gross output or total value of goods and services produced by the industrial establishments amounted to Tsh. 5,859,862 million in 2008. Sales of goods amounted to Tsh. 5,739,361 million of which around 14% or Tsh. 807,636 million were exported comprised mainly of food products. Receipt from services amounted to only Tsh. 38,519 million. Annex Table 26 shows the detailed breakdown of gross output by industrial activity.

Total cost of production, i.e. intermediate consumption amounted to Tsh. 3,735,398 million of which Tsh. 2,820,555 million represents the cost of raw materials purchased. Around 19% or Tsh. 527,341 million worth of raw materials were imported by the manufacturing industrial establishments. Services consumed amounted to Tsh. 594,985 million of which Tsh. 151,688 industrial whilst the consumption of electricity, water and fuels stood at Tsh. 442,099 million. A breakdown of intermediate consumption by industrial activity is given in Annex Table 22.

After deducting intermediate consumption from gross output we arrive at value added which measures the contribution of the industrial sector to GDP. It works out to Tsh. 2,124,464 million in 2008. Out of the value added generated by the sector, Tsh. 435,744 million were paid to employees as salaries and wages (compensation of employees). The remainder which after deducting Tsh. 77,011 million paid as taxes on production (less subsidies) to government represents gross operating surplus (or gross profits) and amounted to Tsh. 1,611,709 million,

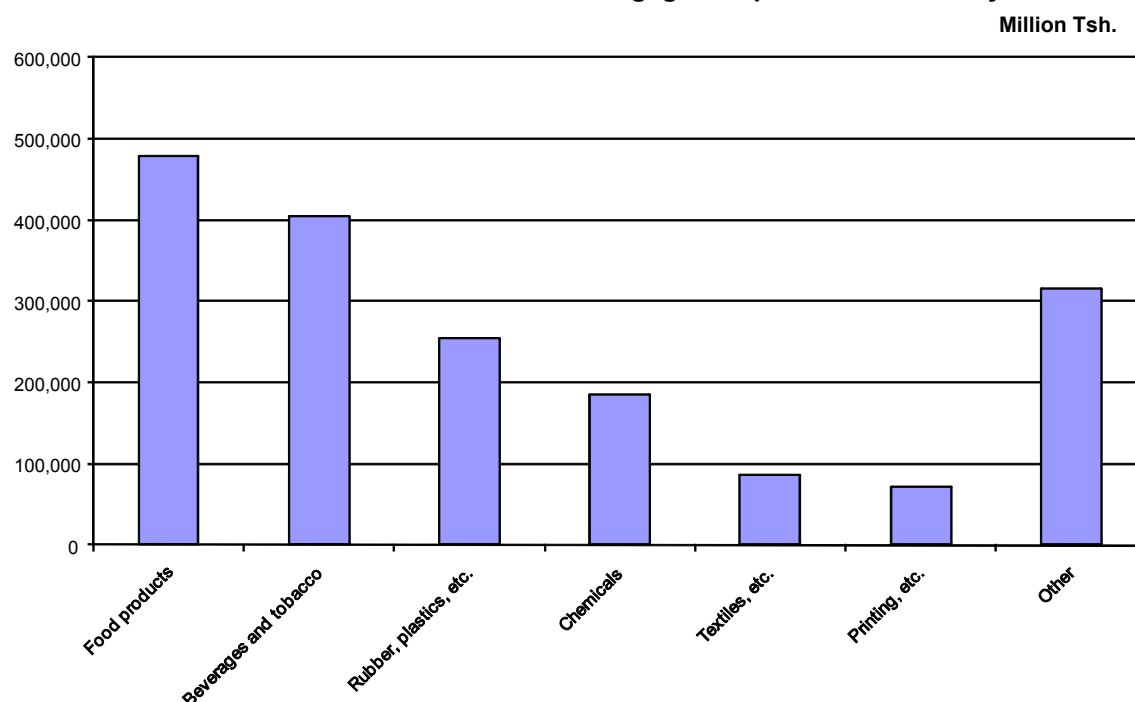
i.e. nearly 76% of value added. The gross operating surplus represents the gross amount that went to employers as remuneration for their capital.

Figure 4.1.5.1: Components of value added for establishments that engaged 10 persons or more, 2008



An analysis of value added by activity shows that nearly 84% of total value added (or Tsh. 1,797,383 million) generated by industrial establishments in 2008 came from the “manufacturing” sector. Within this sector, “manufacture of food products” generated the highest value added with Tsh. 479,245 million followed by “manufacture of beverages and tobacco products” (Tsh. 404,436 million), “manufacture of rubber, plastics and non-mineral products” (Tsh. 254,647 million) and “Manufacture of chemicals including pharmaceutical products (Tsh. 184,616 million). Value added of the large industrial establishments by main activity is given in Annex Table 34 and shown graphically in figure 4.1.5.2.

Figure 4.1.5.2: Value added of establishments that engaged 10 persons or more by industrial activity, 2008



4.1.6 Value of fixed assets

The total value of fixed assets held by industrial establishments at the end of 2008 was Tsh. 13,312,028 million. The value takes account of depreciation during the year. Machinery and equipment accounted for around 19 percent of the total. However, it should be noted that many establishments did not provide the details by type of assets and lumped all assets held in the “other” category. Net investment during the year amounted to Tsh. 1,330,369 million mainly due to purchase of machinery and equipment (including transport) and construction of buildings. The value of fixed assets and net investment by industrial activity and type is given in **Annex Tables 30 and 31**.

4.2 Qualitative data

This section presents the main findings from the responding of the establishments to questions pertaining to their characteristics, mode of operation and perception (Sections 8, 9 and 10 of the questionnaire).

It should be noted that some establishments did not respond to some of the questions asked, especially qualitative questions. The results are based on those who answered the relevant questions.

4.2.1 Membership in professional associations

Table 4.2.1: Number and percentage of establishments by membership in professionals associations

Number of responded establishments	Members of professional associations (Number)	Non-members of professional associations (Number)	Percentage of members associated with.					
			CTI	Chamber of commerce	Association of Tanzania Employers	DSE	Chamber of Mines	Other
677	315	362	29	34	21	4	3	9

Out of the 677 large establishments 315 indicated that they were affiliated to professional associations. The table above gives the percentage of establishments affiliated to the different existing associations in the United Republic of Tanzania. The “Tanzania Chamber of Commerce, Industry and Agriculture” is the most popular followed by the “Confederation of Tanzania” (CTI) and the “Association of Tanzania Employers”.

4.2.2 Licensing status

Table 4.2.2: Number and percentage of establishments by licensing status and reason for not licensing

Number of responded establishments	Number without a license	Reason for not licensing (%)				
		Finance	Too complicated	Too small	Feel no need	other
677	170	21	31	28	10	10

About 507 establishments indicated that they held a license at the time of the survey and 170 said that they did not. The main reason for not holding a license was that procedures were too complicated (31%). Twenty eight percent (28%) considered themselves to be too small to do while 21% indicated financial reasons.

4.2.3 Tenure

Table 4.2.3: Number and percentage of establishments by tenure

Number of responded establishments	Tenure (%)		
	Wholly owned	Wholly rented	Partly rented
677	57	35	8

Most of the establishments (57%) owned their buildings compared to 35% that did not and 8 percent rented part of the premises used for business.

4.2.4 Quality assurance

Table 4.2.4: Number of establishments by quality assurance and employment

Number of establishments certified with			Number having		Employment	
Food safety regulations	ISO	Tanzania Bureau of Standards	Raw materials control	Laboratory	Total	Quality control staff
243	128	247	363	199	117,622	4,213

Out of the 677 responses received 247 establishments indicated that they were certified by the Tanzania Bureau of Standards, 243 were certified by the Food Safety Regulations Agency and 128 by the International Organization for Standardization. The large establishments had a

laboratory were 199 and the number of quality control staff was 4,213 out of the total work force of 117,622 persons.

4.2.5: Medium of exports

Table 4.2.5: Number of establishments by medium of exports

Directly	Through parent enterprise	Through another intermediary	Other	Total
76	23	9	3	111

About 111 establishments reported to have exported some or all of their output. Of these 76 exported their products directly, 9 through their parent enterprise and 23 had other intermediaries.

4.2.6: Importance of trade agreements

Table 4.2.6: Number and percentage of establishments by importance of trade agreements

Type of agreement	Number that responded	Importance (%)				
		Not important	Helpful	Important	Very important	Crucial
Regional	111	18	34	34	10	4
International	111	17	33	33	15	2

The majority of the exporting establishments reported that trade agreements were important. However 17 percent of the establishments did not find the agreements useful.

4.2.7 Barriers to expanding exports

Table 4.2.7: Percentage of establishments by barriers to expanding exports

Barriers	% of responses
Inadequate supply capacity	32
Stringent sanitary and phytosanitary rules	17
Low compliance to market standards	5
Inability to meet quality standards and delivery	7
Inadequate capacity to exploit preferential trade agreements	7
Limited promotion	5
Inadequate trade negotiations skills and market access	9
Other	17

Table 4.2.7 shows the main barriers mentioned by exporting establishments in regard to expanding their exports. Inadequate supply capacity was a barrier for 32 percent of the establishments. It was followed by stringent sanitary and phytosanitary rules at 17 percent.

4.2.8 Source of water

Table 4.2.8: Number and percentage of establishments by source of water used

Number of respondents	Source of water (%)			
	Public network	River	Underground	Other
677	56	11	28	5

About 56% establishments used public network as their source of water. The percentage of establishments that used underground water was 28 percent, 11 percent sourced their water from rivers and 5 percent of the establishments used other sources.

4.2.9: Environmental management

Table 4.2.9: Number and percentage of establishments by environmental management and treatment facilities

Number of respondents	Number having environmental regulations	Existence of treatment facilities for waste (%)	
		Yes	No
677	308	42	58

Table 4.2.9 shows that, 308 of those the respondents had environmental regulations in their unit with. 285 (42 percent) having treatment facilities for waste.

4.2.10 Current technology status

Table 4.2.10: Percentage and average number of establishments by current technology status

Type of machinery	Percentage (%)	Average age of existing equipments (years)	Expected average lifespan of equipments (Years)
Manual	39	5.7	7.5
Semi-automatic	33	5	7.4
Computerized	6	0.9	1.7

Of the 677 establishments, only 6% reported using computerised machinery while 39 percent used manual machinery and 33 percent semi-automatic machinery. The average age of the computerised machines was around 0.9 year and their remaining lifespan was estimated to be 1.7 years. The average age and expected lifespan of the other machines were estimated to be around 5 and 7 years respectively.

4.2.11 Investment plan

Table 4.2.11: Number and percentage of establishments by investment position

Number of respondents	% with investment plans	Reason for investment (%)			
		Replacement of old equipment	Expanding production capacity	Upgrading technology	% investing in other businesses
677	59	20	55	25	24

According to Table 4.2.11 59 percent of the establishments had investment plans and 55% of those with investment plans reported that the main reason for investing was to expand production capacity. The table shows the reason for investing as well as the percentage of establishments investing in other businesses.

4.2.12 IT facilities

Table 4.2.12: Number and percentage of establishments with IT facilities

Number of respondents	Percentage with			
	E-mail	Website	LAN	WAN
677	62	31	35	14

The use of IT facilities was quite high among the establishments that responded to the survey questionnaire. The use email facility were responded by 62 percent of the establishments, 35 percent used LAN and 31 percent had websites.

4.2.13 HIV/AIDS

Table 4.2.13: Number and percentage of establishments by perception of HIV/AIDS

Number of respondents	% with HIV/AIDS packages	Percentage (%) who think vulnerability to HIV/AIDS would be reduced by:				
		Workplace education	Treatment	Counselling	Capital intensive operations	Other
677	32	52	15	28	2	3

Of the 677 respondents, 216 (32 percent) reported having HIV/AIDS packages in their work places. The percent of respondents thought that the vulnerability to HIV/AIDS could be reduced by education or counselling was 80 percent. Those who thought that vulnerability could be reduced through treatment and other means were 20 percent.

4.2.14 Challenges facing establishments

Table 4.2.14: Percentage of establishments by main challenges faced

Main Challenges	Percentage of Responses
High cost of production	17
Inadequate technology or lack of equipments	7
Inadequate physical infrastructure	6
Complicated administrative procedures	2
Shortage of qualified labour	5
Foreign currency fluctuations	7
Insufficient production capacity	3
Shortage of raw materials	8
Taxes	10
Insufficient demand and marketing	9
Unfair competition	9
Infant Private sectors with weak support	5
Environmental challenges	3
HIV/AIDS pandemic	1
Uncertain economic environment	4
Other	3

The more acute challenge faced by Tanzanian establishments is the high cost of production. Table 4.2.14 shows the main challenges mentioned by the respondents.

5. WAY FORWARD/ RECOMMENDATIONS

The following are the recommendations made on the basis of the present survey:

1. The frame, i.e. list of establishments to be covered by the survey should be prepared by the different stakeholders well before the launching of the survey to avoid exclusion of important establishment.
2. Use of computer editing procedure by defining validation rules in the system should be stressed to minimize human errors. The quality of the data can be further improved by the following:
3. Use of a shorter questionnaire. This will reduce respondent burden by requesting information on the main industrial statistics internationally recommended (establishments inputs and outputs). Inclusion of perception/qualitative questions in the survey should be reconsidered.
4. Training of enumerators and supervisors should be provided by parties under supervision of NBS.
5. Need to have the support of various industries and employers' associations before the launching of the survey should be emphasized. This may be facilitated through a workshop to sensitize participants on the importance of statistical data for policy decision making.. CTI should play their role properly and not to assign MITM only
6. Future surveys should be based on lessons learnt from the technical assistance received from the UNIDO. It is firmly believed that the project has been fruitful in building the appropriate capacity for the collection, processing and dissemination of industrial statistics as per internationally agreed principles and recommendations thus the survey should be conducted jointly by MITM, NBS and CTI.

Table 1: Number of establishments by industrial activity and region-2008

(Number)										
		Region								
ISIC Rev.4	Industrial activity	Dar es salaam	Arusha	Mwanza	Singida	Tanga	Kagera	Kilimanjaro	Other	Total
B	Mining and Quarrying	3	-	-	-	2	-	1	6	12
C	Manufacturing	377	49	38	25	24	24	22	121	680
10	Manufacture of food products	72	14	13	20	9	17	5	53	203
	of which;									
102	Processing and preserving of fish and similar products	3	-	7	-	1	2	-	2	15
104	Manufacture of vegetables and animal oils and fats	1	1	1	18	-	-	-	10	31
106	Manufacture of grain mill products, etc	42	5	3	1	1	1	1	7	61
107	Manufacture of other food products	22	6	2	1	7	13	4	33	88
11,12	Manufacture of beverages and tobacco	15	5	3	-	1	-	3	10	37
13,14,15	Manufacture of textiles, wearing apparel and leather products	32	4	3	-	2	-	1	5	47
16,17	Manufacture of wood, paper and similar products except furniture	10	1	2	-	-	-	1	7	21
18	Printing and reproduction of recorded media	36	5	1	-	2	2	3	5	54
20,21	Manufacture of chemical including pharmaceutical products	28	3	3	-	-	-	-	3	37
22,23	Manufacture of rubber, plastics and non-mineral products	27	4	1	-	2	-	1	6	41
24,25	Manufacture of basic metals and fabricated metal products	24	5	4	1	-	-	1	3	38
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	14	-	-	-	-	-	-	5	19
31	Manufacture of furniture	64	-	4	4	1	4	4	15	96
32,33	Other manufacturing	55	8	4	-	7	1	3	9	87
D	Electric power generation, transmission and distribution	2	2	1	1	1	1	1	14	23
E	Water collection, treatment and supply	1	-	-	1	-	1	-	11	14
	Total	383	51	39	27	27	26	24	152	729

Table 2: Number of establishments by industrial activity and form of ownership-2008

ISIC Rev.4	Industrial activity	Form of ownership			Total
		Public	Private	Mixed	
B	Mining and Quarrying	1	10	1	12
C	Manufacturing	41	626	13	680
10	Manufacture of food products	11	189	3	203
	of which;				
	102 <i>Processing and preserving of fish and similar products</i>	-	15	-	15
	104 <i>Manufacture of vegetables and animal oils and fats</i>	-	31	-	31
	106 <i>Manufacture of grain mill products, etc</i>	3	58	-	61
	107 <i>Manufacture of other food products</i>	8	77	3	88
11,12	Manufacture of beverages and tobacco	2	34	1	37
13,14,15	Manufacture of textiles, wearing apparel and leather products	2	45	-	47
16,17	Manufacture of wood, paper and similar products except furniture	2	19	-	21
18	Printing and reproduction of recorded media	8	45	1	54
20,21	Manufacture of chemical including pharmaceutical products	1	33	3	37
22,23	Manufacture of rubber, plastics and non-mineral products	3	36	2	41
24,25	Manufacture of basic metals and fabricated metal products	4	34	-	38
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	1	17	1	19
31	Manufacture of furniture	2	93	1	96
32,33	Other manufacturing	5	81	1	87
D	Electric power generation, transmission and distribution	19	4	-	23
E	Water collection, treatment and supply	11	3	-	14
	Total	72	643	14	729

Table 3: Number of establishments by industrial activity and origin of ownership-2008

(Number)

ISIC Rev.4	Industrial activity	Origin of ownership			Total
		National	Foreign	Joint	
B	Mining and Quarrying	7	2	3	12
C	Manufacturing	509	116	55	680
10	Manufacture of food products	153	37	13	203
	of which;				
102	<i>Processing and preserving of fish and similar products</i>	7	4	4	15
104	<i>Manufacture of vegetables and animal oils and fats</i>	16	15	-	31
106	<i>Manufacture of grain mill products, etc</i>	57	4	-	61
107	<i>Manufacture of other food products</i>	66	14	8	88
11,12	Manufacture of beverages and tobacco	20	10	7	37
13,14,15	Manufacture of textiles, wearing apparel and leather products	36	4	7	47
16,17	Manufacture of wood, paper and similar products except furniture	16	4	1	21
18	Printing and reproduction of recorded media	47	3	4	54
20,21	Manufacture of chemical including pharmaceutical products	22	11	4	37
22,23	Manufacture of rubber, plastics and non-mineral products	27	9	5	41
24,25	Manufacture of basic metals and fabricated metal products	27	10	1	38
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	15	2	2	19
31	Manufacture of furniture	89	4	3	96
32,33	Other manufacturing	57	22	8	87
D	Electric power generation, transmission and distribution	20	2	1	23
E	Water collection, treatment and supply	13	1	-	14
	Total	549	121	59	729

Table 4: Number of establishments by industrial activity and employment size-2008

(Number)

ISIC Rev.4	Industrial activity	Employment size					Total
		10-19	20-49	50-99	100-499	>=500	
B	Mining and Quarrying	2	2	2	3	3	12
C	Manufacturing	259	163	93	124	41	680
10	Manufacture of food products	88	41	31	29	14	203
	of which;						
102	<i>Processing and preserving of fish and similar products</i>	-	3	3	6	3	15
104	<i>Manufacture of vegetables and animal oils and fats</i>	15	8	6	2	-	31
106	<i>Manufacture of grain mill products ,etc</i>	44	9	5	2	1	61
107	<i>Manufacture of other food products</i>	25	19	15	19	10	88
11,12	Manufacture of beverages and tobacco	3	13	5	8	8	37
13,14,15	Manufacture of textiles, wearing apparel and leather products	18	4	7	9	9	47
16,17	Manufacture of wood, paper and similar products except furniture	8	6	-	6	1	21
18	Printing and reproduction of recorded media	14	21	7	12	-	54
20,21	Manufacture of chemical including pharmaceutical products	10	4	6	15	2	37
22,23	Manufacture of rubber, plastics and non-mineral products	10	9	10	9	3	41
24,25	Manufacture of basic metals and fabricated metal products	15	10	4	9	-	38
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	7	8	2	2	-	19
31	Manufacture of furniture	63	26	4	3	-	96
32,33	Other manufacturing	23	21	17	22	4	87
D	Electric power generation, transmission and distribution	1	1	3	17	1	23
E	Water collection, treatment and supply	1	2	8	3	-	14
	Total	263	168	106	147	45	729

Table 5: Number of establishments by region and employment size-2008

(Number)

Region	Employment size					Total
	10-19	20-49	50-99	100-499	>=500	
Dodoma	4	1	1	2	-	8
Arusha	10	18	7	10	6	51
Kilimanjaro	7	5	4	5	3	24
Tanga	4	4	6	10	3	27
Morogoro	6	5	1	4	6	22
Coast	3	2	-	3	-	8
Dar es salaam	167	80	51	74	11	383
Lindi	3	1	2	-	-	6
Mtwara	1	3	1	1	-	6
Ruvuma	1	3	2	1	-	7
Iringa	4	3	3	5	4	19
Mbeya	4	6	1	5	3	19
Singida	17	6	3	1	-	27
Tabora	1	3	1	2	-	7
Rukwa	-	2	3	-	-	5
Kigoma	3	1	2	2	-	8
Shinyanga	-	4	3	3	1	11
Kagera	7	8	2	7	2	26
Mwanza	10	7	10	7	5	39
Mara	4	1	3	5	-	13
Manyara	7	5	-	-	1	13
Total	263	168	106	147	45	729

Table 6: Number of establishments by industrial activity and type of legal organisation-2008

(Number)										
ISIC Rev.4	Industrial activity	Type of legal organization							Other	Total
		Sole proprietorship	Partnership	Public	Parastatal	Cooperative	Private company	Private company Limited		
B	Mining and Quarrying	-	1	1	-	-	2	8	-	12
C	Manufacturing	70	28	16	9	25	189	337	6	680
10	Manufacture of food products	33	13	2	3	4	72	74	2	203
	of which;									
102	<i>Processing and preserving of fish and similar products</i>	-	-	-	-	-	-	15	-	15
104	<i>Manufacture of vegetables and animal oils and fats</i>	14	7	-	-	1	3	6	-	31
106	<i>Manufacture of grain mill products, etc</i>	6	1	1	1	-	41	9	2	61
107	<i>Manufacture of other food products</i>	15	5	1	2	2	24	39	-	88
11,12	Manufacture of beverages and tobacco	1	1	2	-	-	6	27	-	37
13,14,15	Manufacture of textiles, wearing apparel and leather products	5	1	-	1	3	15	22	-	47
16,17	Manufacture of wood ,paper and similar products except furniture	2	2	1	-	-	10	6	-	21
18	Printing and reproduction of recorded media	1	1	3	1	1	8	37	2	54
20,21	Manufacture of chemical including pharmaceutical products	2	1	1	-	1	3	29	-	37
22,23	Manufacture of rubber, plastics and non-mineral products	2	2	2	-	-	11	24	-	41
24,25	Manufacture of basic metals and fabricated metal products	4	1	2	2	1	6	22	-	38
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	1	1	-	1	-	-	16	-	19
31	Manufacture of furniture	15	3	-	-	15	43	19	1	96
32,33	Other manufacturing	4	2	3	1	-	15	61	1	87
D	Electric power generation, transmission and distribution	-	-	4	16	1	1	1	-	23
E	Water collection, treatment and supply	1	-	9	2	-	1	1	-	14
	Total	71	29	30	27	26	193	347	6	729

Table 7: Number of establishments by industrial activity and year operation started-2008

(Number)

ISIC Rev.4	Industrial activity	Year operation started					Total
		< 1990	1990-1994	1995-1999	2000-2004	>=2005	
B	Mining and Quarrying	3	-	5	3	1	12
C	Manufacturing	199	59	119	161	142	680
10	Manufacture of food products	35	12	28	60	68	203
	of which;						
102	Processing and preserving of fish and similar products	1	5	3	4	2	15
104	Manufacture of vegetables and animal oils and fats	4	-	2	8	17	31
106	Manufacture of grain mill products, etc	8	3	-	15	35	61
107	Manufacture of other food products	21	3	21	29	14	88
11,12	Manufacture of beverages and tobacco	13	3	7	9	5	37
13,14,15	Manufacture of textiles, wearing apparel and leather products	11	2	12	11	11	47
16,17	Manufacture of wood, paper and similar products except furniture	8	1	1	3	8	21
18	Printing and reproduction of recorded media	32	5	8	7	2	54
20,21	Manufacture of chemical including pharmaceutical products	20	2	6	4	5	37
22,23	Manufacture of rubber, plastics and non-mineral products	9	7	9	13	3	41
24,25	Manufacture of basic metals and fabricated metal products	12	3	7	10	6	38
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	8	3	3	2	3	19
31	Manufacture of furniture	21	9	19	28	19	96
32,33	Other manufacturing	34	9	17	15	12	87
D	Electric power generation, transmission and distribution	21	-	-	2	-	23
E	Water collection, treatment and supply	1	-	11	1	1	14
	Total	224	59	135	167	144	729

Table 8: Number of establishments by region and year operation started-2008

Region	Year operation started					Total
	< 1990	1990-1994	1995-1999	2000-2004	> = 2005	
Dodoma	1	-	1	1	5	8
Arusha	20	3	9	12	7	51
Kilimanjaro	13	2	1	7	1	24
Tanga	10	1	7	9	-	27
Morogoro	9	3	4	5	1	22
Coast	2	-	3	2	1	8
Dar es salaam	116	30	64	92	81	383
Lindi	2	-	2	2	-	6
Mtwara	4	-	1	-	1	6
Ruvuma	5	-	-	1	1	7
Iringa	8	1	3	3	4	19
Mbeya	7	1	2	4	5	19
Singida	1	2	3	5	16	27
Tabora	3	-	3	-	1	7
Rukwa	1	-	2	-	2	5
Kigoma	2	1	2	1	2	8
Shinyanga	3	-	3	2	3	11
Kagera	8	1	8	6	3	26
Mwanza	7	14	6	6	6	39
Mara	1	-	7	3	2	13
Manyara	1	-	4	6	2	13
Total	224	59	135	167	144	729

Table 9: Number of persons engaged by industrial activity and region-2008

ISIC Rev.4	Industrial activity	Region								Total
		Dar es salaam	Arusha	Morogoro	Iringa	Tanga	Kagera	Kilima- njarro	Other	
B	Mining and Quarrying	163	-	-	-	140	-	18	2,297	2,618
C	Manufacturing	31,713	14,587	19,333	12,402	5,746	5,712	6,288	11,607	107,388
10	Manufacture of food products	3,596	1,004	11,181	9,742	2,885	5,586	4,030	5,768	43,792
	of which;									
102	<i>Processing and preserving of fish and similar products</i>	290	-	-	-	99	547	-	2,942	3,878
104	<i>Manufacture of vegetables and animal oils and fats</i>	30	29	-	88	-	-	-	960	1,107
106	<i>Manufacture of grain mill products ,etc</i>	1518	269	53	-	51	30	10	274	2,205
107	<i>Manufacture of other food products</i>	1704	601	11128	9609	2735	4955	4020	1592	36344
11,12	Manufacture of beverages and tobacco	3632	244	6069	-	41	-	1339	1268	12593
13,14,15	Manufacture of textiles, wearing apparel and leather products	3043	6207	1732	-	761	-	46	1641	13430
16,17	Manufacture of wood, paper and similar products except furniture	649	28	-	1476	-	-	126	362	2641
18	Printing and reproduction of recorded media	3259	155	36	-	27	40	77	101	3695
20,21	Manufacture of chemical including pharmaceutical products	4285	160	-	-	-	-	-	242	4687
22,23	Manufacture of rubber ,plastics and non-mineral products	3530	2093	153	-	350	-	70	489	6685
24,25	Manufacture of basic metals and fabricated metal products	2013	470	30	-	-	-	15	685	3213
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	797	-	17	-	-	-	-	111	925
31	Manufacture of furniture	1457	-	66	535	38	64	107	346	2613
32,33	Other manufacturing	5452	4226	49	647	1644	22	478	594	13114
D	Electric power generation, transmission and distribution	2595	587	141	121	266	140	333	2192	6375
E	Water collection, treatment and supply	83	-	-	256	-	74	-	828	1241
	Total	34,554	15,174	19,474	12,779	6,152	5,926	6,639	16,924	117,622

Table 10: Number of persons engaged by industrial activity and form of ownership-2008

					(Number)
ISIC Rev.4	Industrial activity	Form of ownership			Total
		Public	Private	Mixed	
B	Mining and Quarrying	197	2,350	71	2,618
C	Manufacturing	5,308	100,160	1,920	107,388
10	Manufacture of food products	726	42,270	796	43,792
	of which;				
102	<i>Processing and preserving of fish and similar products</i>	-	3,878	-	3,878
104	<i>Manufacture of vegetables and animal oils and fats</i>	-	1,107	-	1,107
106	<i>Manufacture of grain mill products, etc</i>	65	2,140	-	2,205
107	<i>Manufacture of other food products</i>	661	34,887	796	36,344
11,12	Manufacture of beverages and tobacco	89	12,410	94	12,593
13,14,15	Manufacture of textiles, wearing apparel and leather products	643	12,787	-	13,430
16,17	Manufacture of wood, paper and similar products except furniture	1,595	1,046	-	2,641
18	Printing and reproduction of recorded media	736	2,940	19	3,695
20,21	Manufacture of chemical including pharmaceutical products	15	4,359	313	4,687
22,23	Manufacture of rubber, plastics and non-mineral products	595	5,655	435	6,685
24,25	Manufacture of basic metals and fabricated metal products	525	2,688	-	3,213
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	21	824	80	925
31	Manufacture of furniture	28	2,548	37	2,613
32,33	Other manufacturing	335	12,633	146	13,114
D	Electric power generation, transmission and distribution	5,987	388	-	6,375
E	Water collection, treatment and supply	902	339	-	1,241
	Total	12,394	103,237	1,991	117,622

Table 11: Number of persons engaged by industrial activity and origin of ownership-2008

					(Number)
ISIC Rev.4	Industrial activity	Origin of ownership			Total
		National	Foreign	Joint	
B	Mining and Quarrying	861	939	818	2,618
C	Manufacturing	45,653	41,158	20,577	107,388
10	Manufacture of food products	20,934	11,625	11,233	43,792
	of which;				
102	Processing and preserving of fish and similar products	2,321	578	978	3,877
104	Manufacture of vegetables and animal oils and fats	819	288	-	1,107
106	Manufacture of grain mill products, etc	2,020	185	-	2,205
107	Manufacture of other food products	15,566	10,538	10,240	36,344
11,12	Manufacture of beverages and tobacco	2,900	8,311	1,382	12,593
13,14,15	Manufacture of textiles, wearing apparel and leather products	5,953	4,698	2,779	13,430
16,17	Manufacture of wood, paper and similar products except furniture	657	1,862	122	2,641
18	Printing and reproduction of recorded media	3,254	187	254	3,695
20,21	Manufacture of chemical including pharmaceutical products	2,341	1,966	380	4,687
22,23	Manufacture of rubber, plastics and non-mineral products	1,853	2,793	2,039	6,685
24,25	Manufacture of basic metals and fabricated metal products	1,330	1,824	59	3,213
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	628	195	102	925
31	Manufacture of furniture	1,858	694	61	2,613
32,33	Other manufacturing	3,945	7,003	2,166	13,114
D	Electric power generation, transmission and distribution	6,224	31	120	6,375
E	Water collection, treatment and supply	1,177	64	-	1,241
	Total	53,915	42,192	21,515	117,622

Table 12: Number of persons engaged by industrial activity and employment size-2008

(Number)

ISIC Rev.4	Industrial activity	Employment size					Total
		10-19	20-49	50-99	100-499	>=500	
B	Mining and Quarrying	28	69	130	530	1,861	2,618
C	Manufacturing	3,325	5,153	6,342	26,925	65,643	107,388
10	Manufacture of food products	1,112	1,207	2,164	5,435	33,874	43,792
	of which;						
102	<i>Processing and preserving of fish and similar products</i>	-	89	228	1,594	1,967	3,878
104	<i>Manufacture of vegetables and animal oils and fats</i>	202	233	447	225	-	1,107
106	<i>Manufacture of grain mill products ,etc</i>	539	286	321	280	779	2,205
107	<i>Manufacture of other food products</i>	315	516	1,046	3,336	31,128	36,341
11,12	Manufacture of beverages and tobacco	40	461	326	2,238	9,528	12,593
13,14,15	Manufacture of textiles, wearing apparel and leather products	225	152	440	2,490	10,123	13,430
16,17	Manufacture of wood, paper and similar products except furniture	95	169	-	901	1,476	2,641
18	Printing and reproduction of recorded media	203	638	467	2,387	-	3,695
20,21	Manufacture of chemical including pharmaceutical products	141	162	454	2,771	1,159	4,687
22,23	Manufacture of rubber, plastics and non-mineral products	132	282	689	2,304	3,278	6,685
24,25	Manufacture of basic metals and fabricated metal products	196	330	273	2,414		3,213
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	101	274	145	405	-	925
31	Manufacture of furniture	789	817	250	757	-	2,613
32,33	Other manufacturing	290	661	1,135	4,823	6,205	13,114
D	Electric power generation, transmission and distribution	9	21	205	3,555	2,585	6,375
E	Water collection, treatment and supply	16	77	573	575	-	1,241
	Total	3,378	5,320	7,250	31,585	70,089	117,622

Table 13: Number of persons engaged by region and employment size-2008

Region	Employment size					(Number)
	10-19	20-49	50-99	100-499	> = 500	Total
Dodoma	44	40	51	327	-	462
Arusha	131	606	468	2,222	11,747	15,174
Kilimanjaro	91	174	234	1,107	5,033	6,639
Tanga	47	127	412	2,016	3,550	6,152
Morogoro	83	151	53	834	18,353	19,474
Coast	36	60	-	898	-	994
Dar es salaam	2,137	2,502	3,564	16,001	10,350	34,554
Lindi	34	33	134	-	-	201
Mtwara	11	94	53	114	-	272
Ruvuma	11	72	164	116	-	363
Iringa	60	113	213	1,590	10,803	12,779
Mbeya	54	170	78	1,181	1,749	3,232
Singida	244	178	196	109	-	727
Tabora	10	100	79	458	-	647
Rukwa	-	77	202	-	-	279
Kigoma	32	45	124	308	-	509
Shinyanga	-	123	213	548	617	1,501
Kagera	93	248	128	1,321	4,136	5,926
Mwanza	133	250	679	1,174	3,009	5,245
Mara	43	24	205	1,261	-	1,533
Manyara	84	133	-	-	742	959
Total	3,378	5,320	7,250	31,585	70,089	117,622

Table 14: Number of persons engaged by industrial activity and type of legal organisation-2008

		Type of legal organization								(Number)
ISIC Rev.4	Industrial activity	Sole proprietorship	Partnership	Public	Parastatal	Cooperative	Private company	Private company Limited	Other	Total
B	Mining and Quarrying	-	10	197	-	-	236	2,175	-	2,618
C	Manufacturing	1,538	3,007	4,241	566	981	14,052	82,920	83	107,388
10	Manufacture of food products	589	664	57	390	374	3,931	37,766	21	43,792
	of which;									
102	Processing and preserving of fish and similar products	-	-	-	-	-	-	3,878	-	3,878
104	Manufacture of vegetables and animal oils and fats	326	234	-	-	108	75	364	-	1,107
106	Manufacture of grain mill products, etc	53	41	33	40	-	1,563	454	21	2,205
107	Manufacture of other food products	210	389	24	350	212	2,243	32,916	-	36,344
11,12	Manufacture of beverages and tobacco	43	952	89	-	-	4,665	6,844	-	12,593
13,14,15	Manufacture of textiles, wearing apparel and leather products	108	868	-	46	200	1,376	10,832	-	13,430
16,17	Manufacture of wood, paper and similar products except furniture	24	136	1,746	-	-	287	718	-	2,911
18	Printing and reproduction of recorded media	36	10	219	28	10	223	3,128	41	3,695
20,21	Manufacture of chemical including pharmaceutical products	21	49	16	-	45	246	4,310	-	4,687
22,23	Manufacture of rubber ,plastics and non-mineral products	226	66	395	-	-	359	5,639	-	6,685
24,25	Manufacture of basic metals and fabricated metal products	106	45	505	32	14	352	2,159	-	3,213
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	10	17	-	21	-	-	877	-	925
31	Manufacture of furniture	326	71	-	-	338	603	1,265	10	2,613
32,33	Other manufacturing	49	129	1,484	49	-	2,010	9,382	11	13,114
D	Electric power generation, transmission and distribution	-	-	488	5,496	261	10	120	-	6,375
E	Water collection, treatment and supply	16	-	567	335	-	240	83	-	1,241
	Total	1,554	3,017	5,493	6,397	1,242	14,538	85,298	83	117,622

Table 15: Number of persons engaged by industrial activity and year operation started-2008

		(Number)					
ISIC Rev.4	Industrial activity	Year operation started					Total
		< 1990	1990-1994	1995-1999	2000-2004	> = 2005	
B	Mining and Quarrying	709	-	1,282	125	502	2,618
C	Manufacturing	55,367	5,790	14,139	20,043	12,049	107,388
10	Manufacture of food products	28,015	2,971	2,356	8,632	1,818	43,792
	of which;						
	102 <i>Processing and preserving of fish and similar products</i>	422	2,211	357	759	129	3,878
	104 <i>Manufacture of vegetables and animal oils and fats</i>	308	-	53	337	409	1,107
	106 <i>Manufacture of grain mill products, etc</i>	989	161	-	532	523	2,205
	107 <i>Manufacture of other food products</i>	26,239	587	1,854	6,907	757	36,344
11,12	Manufacture of beverages and tobacco	5,457	416	2,397	3,926	397	12,593
13,14,15	Manufacture of textiles, wearing apparel and leather products	3,575	97	2,393	2,652	4,713	13,430
16,17	Manufacture of wood, paper and similar products except furniture	367	122	137	281	1,734	2,641
18	Printing and reproduction of recorded media	1,949	534	417	560	235	3,695
20,21	Manufacture of chemical including pharmaceutical products	2,845	39	1,016	462	325	4,687
22,23	Manufacture of rubber, plastics and non-mineral products	2,548	867	2,550	609	111	6,685
24,25	Manufacture of basic metals and fabricated metal products	1,065	91	461	1,158	438	3,213
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	407	74	105	32	307	925
31	Manufacture of furniture	1,134	221	415	586	257	2,613
32,33	Other manufacturing	8,005	358	1,892	1,145	1,714	13,114
D	Electric power generation, transmission and distribution	6,344	-	-	31	-	6,375
E	Water collection, treatment and supply	240	-	746	191	64	1,241
	Total	62,660	5,790	16,167	20,390	12,615	117,622

Table 16: Number of persons engaged by region and year operation started-2008

Region	Year operation started					(Number)
	< 1990	1990-1994	1995-1999	2000-2004	>=2005	Total
Dodoma	183	-	144	10	125	462
Arusha	7,018	174	2,313	993	4,676	15,174
Kilimanjaro	5,424	72	126	1,007	10	6,639
Tanga	1,112	-	834	3,395	811	6,152
Morogoro	14,001	160	1,840	3,446	27	19,474
Coast	652	-	296	30	16	994
Dar es salaam	17,511	1,876	7,004	5,502	2,661	34,554
Lindi	95	-	83	23	-	201
Mtwara	176	-	53	-	43	272
Ruvuma	250	-	-	23	90	363
Iringa	8,226	473	66	2,158	1,856	12,779
Mbeya	762	255	627	886	702	3,232
Singida	109	54	66	127	371	727
Tabora	293	-	317	-	37	647
Rukwa	64	-	101	-	114	279
Kigoma	68	10	271	105	55	509
Shinyanga	1,048	-	140	189	124	1,501
Kagera	4,376	12	427	962	149	5,926
Mwanza	1,091	2,704	232	784	434	5,245
Mara	189	-	439	612	293	1,533
Manyara	12	-	788	138	21	959
Total	62,660	5,790	16,167	20,390	12,615	117,622

Table 17: Evolution in persons engaged by industrial activity , June to December 2008

		(Number)					
ISIC Rev.4	Industrial activity	As at					
		30th June 2008			31st December 2008		
		Males	Females	Total	Males	Females	Total
B	Mining and Quarrying	2,460	309	2,769	2,356	312	2,668
C	Manufacturing	70,428	31,276	101,704	70,089	31,985	102,074
10	Manufacture of food products	30,906	12,646	43,552	30,596	11,363	41,959
	of which;						
102	<i>Processing and preserving of fish and similar products</i>	2,681	1,244	3,925	2,825	1,152	3,977
104	<i>Manufacture of vegetables and animal oils and fats</i>	684	236	920	734	274	1,008
106	<i>Manufacture of grain mill products ,etc</i>	1,497	551	2,048	1,475	584	2,059
107	<i>Manufacture of other food products</i>	25,935	10,556	36,491	25,449	9,285	34,734
11,12	Manufacture of beverages and tobacco	6,968	3,618	10,586	6,675	3,741	10,416
13,14,15	Manufacture of textiles, wearing apparel and leather products	6,650	4,682	11,332	7,259	5,107	12,366
16,17	Manufacture of wood, paper and similar products except furniture	2,155	200	2,355	2,355	2,128	4,483
18	Printing and reproduction of recorded media	2,275	1,066	3,341	3,341	2,379	5,720
20,21	Manufacture of chemical including pharmaceutical products	3,750	965	4,715	3,587	1,482	5,069
22,23	Manufacture of rubber, plastics and non-mineral products	4,314	2,127	6,441	4,246	2,148	6,394
24,25	Manufacture of basic metals and fabricated metal products	2,866	186	3,052	2,834	189	3,023
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	717	166	883	712	167	879
31	Manufacture of furniture	2,019	265	2,284	2,089	274	2,363
32,33	Other manufacturing	7,808	5,355	13,163	13,163	7,584	20,747
D	Electric power generation, transmission and distribution	4,262	906	5,168	4,256	906	5,162
E	Water collection, treatment and supply	812	386	1,198	776	393	1,169
Total		77,962	32,877	110,839	77,477	33,596	111,073

Table 18: Evolution in persons engaged by region, June to December 2008

Region	(Number)					
	As at					
	30th June 2008			31st December 2008		
	Males	Females	Total	Males	Females	Total
Dodoma	362	57	419	349	105	454
Arusha	6,410	7,490	13,900	6,274	7,516	13,790
Kilimanjaro	4,680	861	5,541	5,648	894	6,542
Tanga	2,477	2,580	5,057	3,027	2,834	5,861
Morogoro	13,424	5,570	18,994	12,895	5,793	18,688
Coast	449	166	615	449	170	619
Dar es salaam	25,512	7,482	32,994	25,502	9,009	34,511
Lindi	114	18	132	125	17	142
Mtwara	207	51	258	152	44	196
Ruvuma	276	115	391	275	115	390
Iringa	9,282	4,609	13,891	7,588	3,103	10,691
Mbeya	2,390	634	3,024	2,362	646	3,008
Singida	405	178	583	461	202	663
Tabora	613	91	704	616	92	708
Rukwa	233	41	274	217	38	255
Kigoma	369	143	512	367	142	509
Shinyanga	1,142	237	1,379	1,094	263	1,357
Kagera	4,132	1,095	5,227	4,245	1,253	5,498
Mwanza	3,470	1,088	4,558	3,921	1,000	4,921
Mara	1,084	317	1,401	1,018	305	1,323
Manyara	931	54	985	892	55	947
Total	77,962	32,877	110,839	77,477	33,596	111,073

Table 19: Number of persons engaged by Industrial activity , employment status and sex-2008

		(Number)												
ISIC Rev.4	Industrial activity	Working proprietors/partners & unpaid family workers		Employees								Grand Total		Total persons engaged
				Managerial and professional staff		Operatives skilled		Operatives unskilled		Other				
		Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	
B	Mining and Quarrying	51	2	354	93	694	68	1,040	136	167	13	2,306	312	2,618
C	Manufacturing	999	182	10,240	3,142	36,095	12,033	25,114	16,211	2,632	740	75,080	32,308	107,388
10	Manufacture of food products	220	79	3,925	1,246	18,416	5,559	7,622	4,817	1,503	405	31,686	12,106	43,792
	of which;													
102	Processing and preserving of fish and similar products	23	6	455	111	763	453	1,449	504	32	82	2,722	1,156	3,878
104	Manufacture of vegetables and animal oils and fats	69	24	172	61	363	45	206	133	21	13	831	276	1,107
106	Manufacture of grain mill products ,etc	37	16	128	43	562	99	787	422	73	38	1,587	618	2,205
107	Manufacture of other food products	84	32	3,140	1,007	16,686	4,936	5,131	3,716	1,362	250	26,403	9,941	36,344
11,12	Manufacture of beverages and tobacco	39	10	1,737	356	3,332	1,391	3,338	2,018	339	33	8,785	3,808	12,593
13,14,15	Manufacture of textiles, wearing apparel and leather products	207	33	537	161	3,392	1,718	3,474	3,648	212	48	7,822	5,608	13,430
16,17	Manufacture of wood, paper and similar products except furniture	25	2	178	36	433	53	1,790	118	6	0	2,432	209	2,641
18	Printing and reproduction of recorded media	71	16	761	320	912	320	740	544	3	8	2,487	1,208	3,695
20,21	Manufacture of chemical including pharmaceutical products	36	5	650	213	1,870	327	1,192	307	65	22	3,813	874	4,687
22,23	Manufacture of rubber, plastics and non-mineral products	42	1	773	129	2,307	1,723	1,201	366	45	98	4,368	2,317	6,685
24,25	Manufacture of basic metals and fabricated metal products	71	5	378	112	1,561	68	762	3	204	49	2,976	237	3,213
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	23	4	127	34	233	33	374	94	3	0	760	165	925
31	Manufacture of furniture	168	20	331	95	1,035	91	773	53	40	7	2,347	266	2,613
32,33	Other manufacturing	97	7	843	440	2,604	750	3,848	4,243	212	70	7,604	5,510	13,114
D	Electric power generation, transmission and distribution	1	0	1,889	429	2,284	248	452	52	600	420	5,226	1,149	6,375
E	Water collection, treatment and supply	5	1	252	75	388	253	176	52	17	22	838	403	1,241
	Total	1,056	185	12,735	3,739	39,461	12,602	26,782	16,451	3,416	1,195	83,450	34,172	117,622

Table 20: Number of persons engaged by industrial activity , nationality and sex-2008

(Number)

ISIC Rev.4	Industrial activity	Tanzanians			Foreigners			Grand Total		
		Males	Females	Total	Males	Females	Total	Males	Females	Total
B	Mining and Quarrying	2,221	296	2,517	85	16	101	2,306	312	2,618
C	Manufacturing	73,652	32,158	105,810	1,428	150	1,578	75,080	32,308	107,388
10	Manufacture of food products	31,402	12,080	43,482	284	26	310	31,686	12,106	43,792
	of which;									
102	<i>Processing and preserving of fish and similar products</i>	2,596	1,145	3,741	126	11	137	2,722	1,156	3,878
104	<i>Manufacture of vegetables and animal oils and fats</i>	815	276	1,091	16	-	16	831	276	1,107
106	<i>Manufacture of grain mill products ,etc</i>	1,543	611	2,154	44	7	51	1,587	618	2,205
107	<i>Manufacture of other food products</i>	26,314	9,933	36,247	89	8	97	26,403	9,941	36,344
11,12	Manufacture of beverages and tobacco	8,704	3,801	12,505	81	7	88	8,785	3,808	12,593
13,14,15	Manufacture of textiles, wearing apparel and leather products	7,640	5,541	13,181	182	67	249	7,822	5,608	13,430
16,17	Manufacture of wood, paper and similar products except furniture	2,359	209	2,568	73	-	73	2,432	209	2,641
18	Printing and reproduction of recorded media	2,405	1,183	3,588	82	25	107	2,487	1,208	3,695
20,21	Manufacture of chemical including pharmaceutical products	3,572	871	4,443	241	3	244	3,813	874	4,687
22,23	Manufacture of rubber, plastics and non-mineral products	4,256	2,309	6,565	112	8	120	4,368	2,317	6,685
24,25	Manufacture of basic metals and fabricated metal products	2,856	233	3,089	120	4	124	2,976	237	3,213
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	729	164	893	31	1	32	760	165	925
31	Manufacture of furniture	2,325	264	2,589	22	2	24	2,347	266	2,613
32,33	Other manufacturing	7,404	5,503	12,907	200	7	207	7,604	5,510	13,114
D	Electric power generation, transmission and distribution	5,222	1,148	6,370	4	1	5	5,226	1,149	6,375
E	Water collection, treatment and supply	837	403	1,240	1	-	1	838	403	1,241
Total		81,932	34,005	115,937	1,518	167	1,685	83,450	34,172	117,622

Table 21: Compensation of employees and labour costs by industrial activity -2008

		(Million Tshs)								
ISIC Rev.4	Industrial activity	Gross wages and salaries	Overtime payments	Travel expenses	Payments in kind	Social security schemes	Compensation of employees	Training expenses	Other	Total labor costs
B	Mining and Quarrying	22,906	890	441	1,254	2,110	27,600	180	75	27,855
C	Manufacturing	275,418	6,874	17,082	19,050	23,989	342,413	3,580	44,864	390,857
10	Manufacture of food products	52,689	2,213	2,143	3,489	5,467	66,001	623	8,955	75,579
	of which;									
102	Processing and preserving of fish and similar products	7,068	2	240	264	830	8,405	7	814	9,226
104	Manufacture of vegetables and animal oils and fats	1,329	20	174	133	126	1,782	57	252	2,091
106	Manufacture of grain mill products, etc	1,446	50	110	66	71	1,744	21	531	2,296
107	Manufacture of other food products	42,433	2,140	1,602	3,006	4,407	53,588	534	7,336	61,458
11,12	Manufacture of beverages and tobacco	53,650	1,361	6,231	3,051	7,132	71,425	1,718	10,684	83,827
13,14,15	Manufacture of textiles, wearing apparel and leather products	11,772	18	622	871	958	14,242	14	1,989	16,245
16,17	Manufacture of wood ,paper and similar products except furniture	4,142	13	383	115	256	4,908	0	123	5,031
18	Printing and reproduction of recorded media	14,420	58	681	566	1,474	17,198	401	1,891	19,490
20,21	Manufacture of chemical including pharmaceutical products	14,459	584	1,101	1,323	1,118	18,584	89	2,216	20,889
22,23	Manufacture of rubber ,plastics and non-mineral products	81,797	1,591	415	3,242	2,316	89,361	581	5,623	95,565
24,25	Manufacture of basic metals and fabricated metal products	6,093	266	367	480	584	7,790	63	2,964	10,817
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	2,478	14	92	549	175	3,308	12	1,687	5,007
31	Manufacture of furniture	2,341	42	119	148	125	2,775	27	1,279	4,081
32,33	Other manufacturing	31,577	715	4,928	5,216	4,385	46,820	53	7,453	54,326
D	Electric power generation, transmission and distribution	44,682	6,172	3,713	139	6,459	61,165	1,299	4,284	66,748
E	Water collection, treatment and supply	3,353	89	176	107	840	4,566	451	1,150	6,167
	Total	346,359	14,025	21,412	20,550	33,398	435,744	5,510	50,373	491,627

Table 22: Intermediate consumption by industrial activity -2008

(Million Tshs.)

ISIC Rev.4	Industrial activity	Raw materials and components		Electricity water & fuels	Industrial services	Non- Industrial services	Change in stock	Intermediate consumption
		Imported	Local					
B	Mining and Quarrying	6,204	88,224	9,172	56,735	43,477	2,808	201,005
C	Manufacturing	520,920	1,840,627	218,684	67,263	374,354	107,855	2,913,993
10	Manufacture of food products	94,671	371,450	38,794	15,046	112,814	2,319	630,456
	of which;							
102	Processing and preserving of fish and similar products	32,903	149,041	9,285	2,966	8,714	448	202,461
104	Manufacture of vegetables and animal oils and fats	34	37,380	1,928	530	1,913	688	41,097
106	Manufacture of grain mill products, etc	18,007	42,461	2,625	529	1,620	-4,722	69,963
107	Manufacture of other food products	42,962	139,272	24,646	10,841	100,203	5,587	312,338
11,12	Manufacture of beverages and tobacco	20,100	515,220	32,910	17,151	151,739	37,044	700,075
13,14,15	Manufacture of textiles ,wearing apparel and leather products	16,616	88,114	16,486	2,586	6,221	10,400	119,623
16,17	Manufacture of wood, paper and similar products except furniture	1,069	9,751	4,113	2,410	1,558	111	18,789
18	Printing and reproduction of recorded media	18,164	57,748	3,625	5,180	8,107	3,099	89,725
20,21	Manufacture of chemical including pharmaceutical products	67,004	130,916	13,169	4,899	24,951	-1,590	242,530
22,23	Manufacture of rubber, plastics and non-mineral products	71,645	359,972	57,536	7,317	37,770	15,657	518,583
24,25	Manufacture of basic metals and fabricated metal products	71,645	124,703	13,280	1,740	5,509	6,469	173,396
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	34,633	15,961	1,746	1,139	4,622	-664	52,330
31	Manufacture of furniture	28,198	11,505	1,135	606	2,169	239	17,189
32,33	Other manufacturing	166,808	155,288	35,889	9,189	18,894	34,772	351,296
D	Electric power generation, transmission and distribution	-	353,393	210,786	26,252	23,831	11,418	602,845
E	Water collection, treatment and supply	216	10,971	3,457	1,438	1,635	162	17,555

Total	527,340	2,293,215	442,099	151,688	443,297	122,243	3,735,398
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Table 23: Electricity, water and fuels consumed by industrial activity -2008

(Million Tshs)

ISIC Rev.4	Industrial activity	Electricity	Water	Gas	Fuels for machines	Wood, charcoal	Other fuels	Total
B	Mining and Quarrying	5,960	10	544	2,644	3	11	9,172
C	Manufacturing	94,169	8,738	20,198	69,185	21,659	4,736	218,685
10	Manufacture of food products	15,724	837	1,301	19,449	1,202	280	38,793
	of which;							
102	Processing and preserving of fish and similar products	4,151	112	1,099	3,780	3	140	9,285
104	Manufacture of vegetables and animal oils and fats	788	38	1	1,090	9	2	1,928
106	Manufacture of grain mill products ,etc	1,383	90	79	1,072	-	-	2,624
107	Manufacture of other food products	9,352	521	120	13,462	1,189	3	24,647
11,12	Manufacture of beverages and tobacco	8,606	2,012	5,061	15,276	988	967	32,910
13,14,15	Manufacture of textiles, wearing apparel and leather products	7,686	220	2,201	1,611	3,953	815	16,486
16,17	Manufacture of wood, paper and similar products except furniture	851	816	506	1,035	248	657	4,113
18	Printing and reproduction of recorded media	2,153	74	9	1,284	-	105	3,625
20,21	Manufacture of chemical including pharmaceutical products	7,102	458	52	5,370	-	189	13,171
22,23	Manufacture of rubber, plastics and non-mineral products	28,473	1,236	7,225	6,006	14,481	116	57,537
24,25	Manufacture of basic metals and fabricated metal products	10,310	103	1,236	1,440	6	185	13,280
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	1,071	42	31	501	-	101	1,746
31	Manufacture of furniture	319	25	56	733	-	2	1,135
32,33	Other manufacturing	11,874	2,915	2,521	16,479	780	1,319	35,888
D	Electric power generation, transmission and distribution	171,598	24	1,626	37,537	1	-	210,786
E	Water collection, treatment and supply	2,131	554	-	761	-	11	3,457

Total	273,858	9,326	22,368	110,127	21,663	4,758	442,100
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Table 24: Services consumed by industrial activity-2008

(Million T.shs.)												
ISIC	Rev.4	Industrial activity	Industrial services			Non-industrial services						Total services
			Contract	Repairs &	Waste	Postage	Rentals	Storage	Publicity	Consult	Other	
B		Mining and Quarrying	52,211	4,522	2	1,792	2,059	13,998	816	2,033	22,780	100,213
C		Manufacturing	12,240	54,253	770	17,076	20,231	71,315	46,375	95,495	123,862	441,617
10		Manufacture of food products	3,196	11,650	200	1,935	3,333	19,540	5,340	62,387	20,279	127,860
		of which;										
	102	<i>Processing and preserving of fish and similar products</i>	594	2,336	36	300	121	6,697	360	204	1,031	11,679
	104	<i>Manufacture of vegetables and animal oils and fats</i>	74	446	11	68	142	450	770	14	470	2,445
	106	<i>Manufacture of grain mill products, etc</i>	71	453	5	115	118	681	362	176	167	2,148
	107	<i>Manufacture of other food products</i>	2,390	8,308	143	1,434	2,913	11,610	3,711	61,979	18,555	111,043
11,12		Manufacture of beverages and tobacco	1,684	15,160	307	9,093	9,616	29,524	20,586	18,765	64,155	168,890
13,14,15		Manufacture of textiles, wearing apparel and leather products	138	2,338	110	869	205	2,326	1,607	508	707	8,808
16,17		Manufacture of wood ,paper and similar products except furniture	33	2,373	4	202	63	172	758	363	0	3,968
18		Printing and reproduction of recorded media	2,360	2,806	15	657	1,149	1,397	1,020	908	2,974	13,286
20,21		Manufacture of chemical including pharmaceutical products	1,140	3,683	75	1,006	1,235	6,843	3,611	1,962	10,294	29,849
22,23		Manufacture of rubber ,plastics and non-mineral products	192	7,117	8	1,367	2,498	4,528	8,560	4,976	15,840	45,086
24,25		Manufacture of basic metals and fabricated metal products	13	1,704	22	306	266	1,254	1,186	2,211	286	7,248
27,28,29,30		Manufacture of electrical , transport and other machinery and equipment.	89	1,050	0	117	240	490	164	1,410	2,201	5,761
31		Manufacture of furniture	75	527	4	191	274	1,034	209	118	343	2,775
32,33		Other manufacturing	3,320	5,844	25	1,332	1,351	4,206	3,336	1,886	6,783	28,083
D		Electric power generation, transmission and distribution	1,608	24,644	0	1,143	689	649	4,864	14,109	2,378	50,084
E		Water collection, treatment and supply	0	1,024	413	117	29	21	238	191	1,040	3,073
Total			66,059	84,443	1,185	20,128	23,008	85,983	52,293	111,828	150,060	594,987

Table 25: Raw materials purchased by product category and origin-2008

		(Million Tshs)		
CPC version 2	Product category	Raw materials purchased		
		Imports	Local	Total
01	Products of agriculture ,horticulture and market gardening	21,023	109,880	130,903
02	Live animals and animal products (excluding meat)	-	5,300	5,300
03	Forestry and logging products	2,201	323	2,524
04	Fish and other fishing products	-	14,150	14,150
14	Metal ores	89,660	70,147	159,807
15	Stone, sand and clay	30,664	90,670	121,333
16	Other minerals	52	904	956
17	Electricity, town gas, steam and hot water	-	24,103	24,103
18	Natural water	37	38,980	39,017
21	Meat, fish, fruit, vegetables, oils and fats	831	96,259	97,090
22	Dairy products and egg products	-	866	866
23	Grain mill products, starches and starch products; other food products	3,866	318,429	322,295
24	Beverages	4,418	8,409	12,826
25	Tobacco products	-	48,934	48,934
26	Yarn and thread; woven and tufted textile fabrics	2,913	41,472	44,385
27	Textile articles other	1,573	1,428	3,002
28	Knitted or crocheted fabrics; wearing apparel	584	1,001	1,585
29	Leather and leather products; footwear	9,254	13,934	23,188
31	Products of wood, corks, straw and plaiting materials	262	8,342	8,604
32	Pulp, paper and paper products; printed matter and related articles	15,735	53,508	69,243
33	Coke oven products; refined petroleum products; nuclear fuel	-	1,529	1,529
34	Basic chemicals	19,171	54,371	73,542
35	Other chemical products; man-made fibres	36,061	4,266	40,327
36	Rubber and plastics products	-	12	12
37	Glass and glass products and other non-metallic products n.e.c.	2,005	201,686	203,691
38	Furniture; Other transportable goods n.e.c	3,497	3,205	6,702
39	Wastes or creeps	-	21	21
99	Not indicated	283,533	1,081,086	283,555
Total		527,341	2,293,215	2,820,556

Table 26: Components of gross output by industrial activity -2008

(Million Tshs)

ISIC	Rev.4	Industrial activity	Sale of goods produced			Change of stock	Industrial services	Non-industrial services	Other	Gross Output
			Export	Local	Total					
B		Mining and Quarrying	216,804	134,670	351,474	(566)	542	313	6,215	357,977
C		Manufacturing	590,832	4,002,249	4,593,081	48,954	23,341	9,977	36,023	4,711,376
10		Manufacture of food products	463,000	616,057	1,079,057	6,869	16,135	1,142	6,497	110,970
		of which;								
	102	<i>Processing and preserving of fish and similar products</i>	131,831	140,287	272,118	504	-	419	1,630	274,670
	104	<i>Manufacture of vegetables and animal oils and fats</i>	12,626	47,302	59,928	365	14,411	(878)	1	73,828
	106	<i>Manufacture of grain mill products, etc</i>	68	102,568	102,636	1,581	287	(32)	2	104,473
	107	<i>Manufacture of other food products</i>	318,476	317,871	636,347	4,368	1,437	1,724	3,194	647,069
11,12		Manufacture of beverages and tobacco	3,146	108,491	111,637	12,054	137	(7,614)	11,869	110,451
13,14,15		Manufacture of textiles, wearing apparel and leather products	39,857	153,576	193,433	10,128	518	2,515	0	206,594
16,17		Manufacture of wood, paper and similar products except furniture	3,818	29,177	32,995	(348)	241	139	200	33,226
18		Printing and reproduction of recorded media	5,733	153,959	159,692	560	270	(241)	527	160,808
20,21		Manufacture of chemical including pharmaceutical products	20,734	401,583	422,317	2,957	641	751	479	427,145
22,23		Manufacture of rubber, plastics and non-mineral products	523	763,270	763,793	1,232	3,814	4,388	3	773,230
24,25		Manufacture of basic metals and fabricated metal products	10,758	208,694	219,452	(3,056)	89	2,633	3,121	222,239
27,28,29,30		Manufacture of electrical , transport and other machinery and equipment.	1,126	63,344	64,470	2,350	343	(50)	15	67,129
31		Manufacture of furniture	-	24,609	24,609	8	527	568	10	25,722
32,33		Other manufacturing	42,137	503,061	545,198	16,200	627	5,745	13,300	581,070
D		Electric power generation, transmission and distribution	-	768,498	768,498	(45,165)	607	3,294	29,667	756,901
E		Water collection, treatment and supply	-	26,308	26,308	(4)	595	(149)	6,857	33,608
		Total	807,636	4,931,725	5,739,361	3,219	25,085	13,435	78,762	5,859,862

Table 27: Production account by industrial activity -2008

ISIC Rev.4	Industrial activity	Persons engaged (Number)	Gross output (Million Tshs.)	Intermediate consumption (Million Tshs.)	Value added (Million Tshs.)	Compensation of employees (Million Tshs.)	Taxes on production (Million Tshs)	Gross operating surplus (Million Tshs)
B	Mining and Quarrying	2,618	357,977	201,005	156,972	27,600	484	128,888
C	Manufacturing	107,388	4,711,376	2,913,993	1,797,383	342,413	107,301	1,347,670
10	Manufacture of food products of which;	43,792	1,109,701	630,456	479,245	66,001	6,452	406,792
102	<i>Processing and preserving of fish and similar products</i>	3,878	274,670	202,461	72,209	8,405	1,076	62,728
104	<i>Manufacture of vegetables and animal oils and fats</i>	1,107	73,828	41,097	32,730	1,782	56	30,892
106	<i>Manufacture of grain mill products, etc</i>	2,205	104,473	69,963	34,510	1,744	63	32,703
107	<i>Manufacture of other food products</i>	36,344	647,069	312,338	334,731	53,588	5,239	275,904
11,12	Manufacture of beverages and tobacco	12,593	1,104,511	700,075	404,436	71,425	96,502	236,509
13,14,15	Manufacture of textiles, wearing apparel and leather products	13,430	206,594	119,623	86,971	14,242	948	71,781
16,17	Manufacture of wood, paper and similar products except furniture	2,641	33,226	18,789	14,237	4,908	214	9,315
18	Printing and reproduction of recorded media	3,695	160,808	89,725	71,083	17,198	256	53,630
20,21	Manufacture of chemical including pharmaceutical products	4,687	427,145	242,530	184,616	18,584	275	165,757
22,23	Manufacture of rubber, plastics and non-mineral products	6,685	773,230	518,583	254,647	89,361	4,074	161,213
24,25	Manufacture of basic metals and fabricated metal products	3,213	222,239	173,396	48,842	7,790	(2,394)	43,446
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	925	67,129	52,330	14,799	3,308	20	11,471
31	Manufacture of furniture	2,613	25,722	17,189	8,533	2,775	21	5,737
32,33	Other manufacturing	13,114	581,070	351,296	229,774	46,820	935	182,019
D	Electric power generation, transmission and distribution	6,375	756,901	602,845	154,056	61,165	(24,075)	116,966

E	Water collection, treatment and supply	1,241	33,608	17,555	16,053	4,566	(6,699)	18,186
	Total	117,622	5,859,862	3,735,398	2,124,464	435,744	77,011	1,611,710

Table 28: Sales of product by category and destination-2008

		(Million Tshs.)		
CPC Version 2	Product category	Sales		
		Exports	Local	Total
01	Products of agriculture ,horticulture and market gardening	6,068	123,551	129,619
02	Live animals and animal products (excluding meat)	-	7,415	7,415
03	Forestry and logging products	-	863	863
04	Fish and other fishing products	20,112	-	20,112
14	Metal ores	191,190	363,176	554,366
15	Stone, sand and clay	140	10,197	10,337
16	Other minerals	2,839	8,790	11,629
17	Electricity, town gas, steam and hot water	-	93,156	93,156
18	Natural water	3,398	33,064	36,462
21	Meat, fish, fruit, vegetables, oils and fats	137,984	421,734	559,718
22	Dairy products and egg products	584	7,189	7,772
23	Grain mill products, starches and starch products; other food products	309,218	148,208	457,426
24	Beverages	2,399	410,373	412,772
25	Tobacco products	-	165,637	165,637
26	Yarn and thread; woven and tufted textile fabrics	9,855	105,166	115,022
27	Textile articles other	29,704	104,920	134,625
28	Knitted or crocheted fabrics; wearing apparel	1,351	19,380	20,730
29	Leather and leather products; footwear	915	410,791	411,705
31	Products of wood, corks, straw and plaiting materials	1,267	9,778	11,045
32	Pulp, paper and paper products; printed matter and related articles	1,987	141,519	143,506
33	Coke oven products; refined petroleum products; nuclear fuel	1,026	23,926	24,953
34	Basic chemicals	-	198,647	198,647
35	Other chemical products; man-made fibres	20,478	129,859	150,336
36	Rubber and plastics products	110	19,284	19,393
37	Glass and glass products and other non-metallic products n.e.c.	-	811,872	811,872
38	Furniture; Other transportable goods n.e.c	288	133,537	133,825
39	Wastes or creeps	-	35	35
99	Not indicated	66,724	1,029,660	1,096,383
	Total	807,636	4,931,725	5,739,361

Table 29: Change in stocks by industrial activity-2008

(Million Tshs.)

ISIC	Rev.4	Industrial activity	Materials, supplies	Fuels	Work in progress	Finished products	Goods purchased for resale	Total
B		Mining and Quarrying	2,802	6	(351)	(1,492)	1,277	2,242
C		Manufacturing	100,791	7,064	7,506	39,717	1,731	156,809
10		Manufacture of food products	2,409	(90)	953	5,070	846	9,188
		of which;						
	102	<i>Processing and preserving of fish and similar products</i>	454	(5)	-	504	-	953
	104	<i>Manufacture of vegetables and animal oils and fats</i>	668	20	169	73	124	1,054
	106	<i>Manufacture of grain mill products, etc</i>	(4,719)	(3)	13	837	731	(3,141)
	107	<i>Manufacture of other food products</i>	5,690	(103)	754	3,623	(9)	9,955
11,12		Manufacture of beverages and tobacco	34,114	2,930	1,816	10,238	-	49,098
13,14,15		Manufacture of textiles, wearing apparel and leather products	10,137	263	2,170	7,466	493	20,529
16,17		Manufacture of wood ,paper and similar products except furniture	137	(26)	38	(418)	31	(238)
18		Printing and reproduction of recorded media	3,113	(13)	58	502	-	3,660
20,21		Manufacture of chemical including pharmaceutical products	(1,583)	(8)	1,147	1,746	64	1,366
22,23		Manufacture of rubber, plastics and non-mineral products	11,803	3,854	(892)	2,124	-	16,889
24,25		Manufacture of basic metals and fabricated metal products	6,941	(472)	1,494	(4,442)	(109)	3,412
27,28,29,30		Manufacture of electrical , transport and other machinery and equipment.	(663)	(1)	(419)	2,770	-	1,687
31		Manufacture of furniture	234	5	9	(10)	9	247
32,33		Other manufacturing	34,148	624	1,132	14,671	397	50,972
D		Electric power generation, transmission and distribution	8,541	2,877	(45,165)	-	-	(33,747)
E		Water collection, treatment and supply	120	42	-	(4)	-	158
Total			112,254	9,989	(38,010)	38,221	3,008	125,462

Table 30: Value of fixed assets at end of 2008 by industrial activity and type

(Million T.shs.)								
ISIC Rev.4	Industrial activity	Land improvements	Buildings and structures	Transport equipment	Machinery and equipment	Database software	Other	Total
B	Mining and Quarrying	2,966	14,384	1,729	368,752	90	387,921	775,842
C	Manufacturing	825,053	1,700,048	1,477,978	2,016,278	62,258	6,081,615	12,163,230
10	Manufacture of food products	759,953	1,467,986	1,391,766	1,273,952	19,664	4,913,322	9,826,643
	of which;							
102	<i>Processing and preserving of fish and similar products</i>	1,435	26,386	5,046	17,901	60	50,827	101,655
104	<i>Manufacture of vegetables and animal oils and fats</i>	3,538	9,126	1,198	5,535	12	19,409	38,818
106	<i>Manufacture of grain mill products, etc</i>	1,602	6,323	1,372	8,666	44	18,007	36,014
107	<i>Manufacture of other food products</i>	753,371	1,423,677	1,383,944	240,227	19,466	4,820,685	8,641,370
11,12	Manufacture of beverages and tobacco	13,469	70,256	26,154	187,711	26,568	324,157	648,315
13,14,15	Manufacture of textiles ,wearing apparel and leather products	15,162	18,383	1,764	72,669	197	108,175	216,350
16,17	Manufacture of wood, paper and similar products except furniture	975	2,146	8,620	40,630	598	52,970	105,939
18	Printing and reproduction of recorded media	1,120	6,850	1,647	137,822	835	1,748,272	1,896,546
20,21	Manufacture of chemical including pharmaceutical products	5,985	14,658	11,616	49,365	7,754	89,378	178,756
22,23	Manufacture of rubber ,plastics and non-mineral products	5,418	16,906	7,877	122,956	3,262	156,420	312,839
24,25	Manufacture of basic metals and fabricated metal products	11,828	14,865	8,557	26,380	643	62,272	124,545
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	412	2,719	866	5,299	10	9,306	18,612
31	Manufacture of furniture	1,739	5,042	7,850	3,105	90	17,825	35,651
32,33	Other manufacturing	8,992	80,237	11,262	96,389	2,336	199,517	398,733
D	Electric power generation, transmission and distribution	1,612	40,547	8,083	123,504	12	173,759	347,517
E	Water collection, treatment and supply	4,021	1,158	1,213	6,206	122	12,719	25,439
	Total	833,652	1,756,137	1,489,003	2,514,740	62,482	6,656,014	13,312,028

Table 31: Net investment by industrial activity and type-2008

		(Million TShs)						
ISIC Rev.4	Industrial activity	Land improvements	Buildings and structures	Transport equipment	Machinery and equipment	Database software	Other	Total
B	Mining and Quarrying	1,014	2,558	941	32,865	15	2,008	39,400
C	Manufacturing	157,861	226,232	398,222	361,937	20,552	110,109	1,274,914
10	Manufacture of food products	151,578	192,013	368,496	203,698	4,043	4,602	924,430
	of which;							
102	<i>Processing and preserving of fish and similar products</i>	453	6,807	628	3,151	23	-619	10,443
104	<i>Manufacture of vegetables and animal oils and fats</i>	0	99	11	288	5	337	740
106	<i>Manufacture of grain mill products ,etc</i>	14	-113	834	505	4	28	1,272
107	<i>Manufacture of other food products</i>	151,112	184,131	366,967	199,028	3,995	4,856	910,089
11,12	Manufacture of beverages and tobacco	1,040	9,187	13,870	43,768	13,528	26,753	108,145
13,14,15	Manufacture of textiles ,wearing apparel and leather	-42	751	352	9,702	7	17	10,787
16,17	Manufacture of wood, paper and similar products except furniture	22	74	4,896	10,401	88	24,831	40,312
18	Printing and reproduction of recorded media	0	192	306	39,385	186	1,439	41,507
20,21	Manufacture of chemical including	54	-263	2,381	4,379	607	1,312	8,470
22,23	Manufacture of rubber ,plastics and non-mineral products	943	3,982	2,590	38,780	98	36,545	82,937
24,25	Manufacture of basic metals and fabricated	2,666	1,318	1,071	3,452	93	56	8,656
27,28,29,30	Manufacture of electrical , transport and other machinery and equipment.	0	407	570	988	6	340	2,309
31	Manufacture of furniture	6	672	192	856	1	84	1,811
32,33	Other manufacturing	1,595	17,899	3,499	6,530	1,895	14,133	45,550
D	Electric power generation, transmission and distribution	4	379	8,287	3,710	14	76	12,469
E	Water collection, treatment and supply	0	300	570	1,307	7	1,402	3,586
Total		158,879	229,469	408,020	399,819	20,587	113,595	1,330,369

Table 32: Number of establishments and persons engaged by industrial activity -2008

		(Number)						
ISIC	Industrial activity	Establishments	Total persons engaged	Employees			Working proprietors	Unpaid workers
Rev.4				Managerial	Operatives	Other		
051	Mining of hard coal	1	502	42	451	-	9	-
062	Extraction of natural gas	1	71	58	13	-	-	-
072	Mining of non-ferrous metal ores	1	742	52	663	-	27	-
081	Quarrying of stone, sand and clay	2	230	67	162	-	1	-
089	Mining and quarrying n.e.c.	7	1,073	228	649	180	16	-
	MINING AND QUARRYING	12	2,618	447	1,938	180	53	-
101	Processing and preserving of meat	1	38	12	26	-	-	-
102	Processing and preserving of fish, crustaceans and molluscs	15	3,878	566	3,169	114	29	-
103	Processing and preserving of fruit and vegetables	3	166	31	94	37	4	-
104	Manufacture of vegetable and animal oils and fats	31	1,107	233	747	34	58	35
106	Manufacture of grain mill products, starches and starch products	61	2,205	171	1,870	111	51	2
107	Manufacture of other food products	88	36,342	4,147	30,467	1,612	105	11
108	Manufacture of prepared animal feeds	4	54	11	39	-	4	-
110	Manufacture of beverages	33	5,846	1,188	4,237	372	49	-
120	Manufacture of tobacco products	4	6,747	905	5,842	-	-	-
131	Spinning, weaving and finishing of textiles	24	2,588	88	2,301	7	192	-
139	Manufacture of other textiles	14	9,324	459	8,594	236	35	-
141	Manufacture of wearing apparel, except fur apparel	2	71	10	52	5	4	-
151	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	4	639	87	548	-	4	-
152	Manufacture of footwear	3	808	54	737	12	5	-
161	Sawmilling and planing of wood	11	321	41	264	-	16	-
162	Manufacture of products of wood, cork, straw and plaiting materials	6	458	37	407	6	8	-
170	Manufacture of paper and paper products	4	1,862	136	1,723	-	3	-
181	Printing and service activities related to printing	54	3,695	1,081	2,516	11	74	13
201	Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms	9	1,215	216	933	54	12	-
202	Manufacture of other chemical products	20	1,775	422	1,321	8	24	-
203	Manufacture of man-made fibres	1	557	26	531	-	-	-
210	Manufacture of pharmaceuticals, medicinal chemical and botanical products	7	1,140	199	911	25	5	-
222	Manufacture of plastics products	15	4,125	305	3,684	123	13	-
231	Manufacture of glass and glass products	1	70	19	50	-	1	-

Table32: Number of establishments and persons engaged by industrial activity -2008 (continued)

(Number)

ISIC Rev.4	Industrial activity	Establishments	Total persons engaged	Employees			Working proprietors	Unpaid workers
				Managerial	Operatives	Other		
239	Manufacture of non-metallic mineral products n.e.c.	25	2,490	578	1,863	20	29	-
241	Manufacture of basic iron and steel	6	560	59	471	9	21	-
243	Casting of metals	1	258	39	219	-	-	-
251	Manufacture of structural metal products, tanks, reservoirs and steam generators	3	550	120	427	-	3	-
259	Manufacture of other fabricated metal products; metalworking service activities	28	1,845	272	1,277	244	49	3
272	Manufacture of batteries and accumulators	1	185	43	140	-	2	-
273	Manufacture of wiring and wiring devices	2	129	37	91	-	1	-
274	Manufacture of electric lighting equipment	1	38	3	34	-	1	-
279	Manufacture of other electrical equipment	1	15	13	1	-	1	-
281	Manufacture of general-purpose machinery	3	252	12	234	3	3	-
282	Manufacture of special-purpose machinery	4	112	14	91	-	7	-
292	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	3	61	12	46	-	3	-
293	Manufacture of parts and accessories for motor vehicles	1	39	18	18	-	3	-
301	Building of ships and boats	1	65	8	55	-	2	-
309	Manufacture of transport equipment n.e.c.	2	29	1	24	-	2	2
310	Manufacture of furniture	96	2,613	426	1,952	47	162	26
321	Manufacture of jewellery, bijouterie and related articles	4	43	7	27	-	9	-
325	Manufacture of medical and dental instruments and supplies	1	46	3	20	23	-	-
329	Other manufacturing n.e.c.	77	12,946	1,247	11,346	259	90	4
331	Repair of fabricated metal products, machinery and equipment	5	79	26	52	-	1	-
	TOTAL MANUFACTURING	648	104,078	12,706	86,898	3,343	1,035	96
351	Electric power generation, transmission and distribution	23	6,375	2,318	3,036	1,020	1	-
360	Water collection, treatment and supply	14	1,241	327	869	39	6	-
	ELECTRICITY AND WATER SUPPLY	37	7,616	2,645	3,905	1,059	7	-
	TOTAL INDUSTRY	697	114,312	15,798	92,741	4,582	1,095	96

Table 33: Remuneration by industrial activity -2008

(000' Tshs.)

ISIC Rev.4	Industrial activity	Wages and salaries	Pension funds	Benefits in kind	Other labour costs	Total labour costs
051	Mining of hard coal	822,373	110,721	-	8,819	941,913
062	Extraction of natural gas	2,803,640	420,546	1,119,860	186,644	4,530,690
072	Mining of non-ferrous metal ores	4,483,257	939,695	-	226,376	5,649,328
081	Quarrying of stone, sand and clay	4,048,012	619,121	102,347	78,750	4,848,230
089	Mining and quarrying n.e.c.	10,748,541	19,562	31,382	1,085,651	11,885,136
	MINING AND QUARRYING	22,905,823	2,109,645	1,253,589	1,586,240	27,855,297
101	Processing and preserving of meat	77,640	7,476	7,300	-	92,416
102	Processing and preserving of fish, crustaceans and molluscs	7,067,825	830,463	263,844	1,064,093	9,226,225
103	Processing and preserving of fruit and vegetables	259,389	21,358	7,654	19,566	307,967
104	Manufacture of vegetable and animal oils and fats	1,329,418	125,714	133,042	502,820	2,090,994
106	Manufacture of grain mill products, starches and starch products	1,446,078	71,496	66,017	712,434	2,296,025
107	Manufacture of other food products	42,433,445	4,406,783	3,005,723	11,612,126	61,458,077
108	Manufacture of prepared animal feeds	74,941	3,717	5,860	22,421	106,939
110	Manufacture of beverages	36,274,704	5,391,839	1,175,397	14,069,883	56,911,823
120	Manufacture of tobacco products	17,375,349	1,740,159	1,876,052	5,923,865	26,915,425
131	Spinning, weaving and finishing of textiles	3,826,442	376,769	532,097	260,810	4,996,118
139	Manufacture of other textiles	6,359,006	474,524	277,979	2,038,564	9,150,073
141	Manufacture of wearing apparel, except fur apparel	76,899	4,891	-	-	81,790
	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	478,157	36,733	38,667	35,144	588,701
152	Manufacture of footwear	1,031,933	65,130	22,614	308,686	1,428,363
161	Sawmilling and planing of wood	224,167	14,418	22,619	47,989	309,193
162	Manufacture of products of wood, cork, straw and plaiting materials	535,845	48,346	2,899	81,536	668,626
170	Manufacture of paper and paper products	3,381,754	192,737	89,353	389,230	4,053,074
181	Printing and service activities related to printing	14,419,531	1,473,835	565,808	3,030,598	19,489,772
201	Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms	5,684,088	333,194	323,363	761,048	7,101,693
202	Manufacture of other chemical products	4,128,663	388,005	298,346	2,093,823	6,908,837
203	Manufacture of man-made fibres	1,470,100	112,643	228,551	438,958	2,250,252
210	Manufacture of pharmaceuticals, medicinal chemical and botanical products	3,175,890	284,448	472,437	695,160	4,627,935
222	Manufacture of plastics products	6,271,857	295,028	644,835	4,301,675	11,513,395
231	Manufacture of glass and glass products	21,000	5,100	-	30,000	56,100

Table 33: Remuneration by industrial activity -2008 (continued)		(000' Tshs.)				
ISIC		Wages and salaries	Pension funds	Benefits in kind	Other labour costs	Total labour costs
Rev.4	Industrial activity					
239	Manufacture of non-metallic mineral products n.e.c.	75,504,382	2,016,131	2,596,715	3,878,689	83,995,917
241	Manufacture of basic iron and steel	1,276,886	62,358	65,144	481,791	1,886,179
243	Casting of metals	656,565	77,223	6,110	989,450	1,729,348
	Manufacture of structural metal products, tanks, reservoirs and steam generators	1,319,445	129,104	78,055	141,801	1,668,405
251	Manufacture of other fabricated metal products; metalworking service activities	2,840,492	315,103	330,455	2,047,507	5,533,557
259	Manufacture of batteries and accumulators	503,406	14,762	319,960	837,126	1,675,254
272	Manufacture of wiring and wiring devices	866,738	68,405	111,663	195,820	1,242,626
273	Manufacture of electric lighting equipment	59,040	5,904	4,780	14,334	84,058
274	Manufacture of other electrical equipment	45,675	5,479	5,885	12,867	69,906
279	Manufacture of general-purpose machinery	621,845	41,197	14,678	679,981	1,357,701
281	Manufacture of special-purpose machinery	142,777	19,398	63,674	19,282	245,131
282	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	115,006	13,830	6,772	7,066	142,674
292	Manufacture of parts and accessories for motor vehicles	46,690	3,271	11,666	295	61,922
293	Building of ships and boats	25,760	1,650	9,870	37,569	74,849
301	Manufacture of transport equipment n.e.c.	50,569	869	343	1,360	53,141
309	Manufacture of furniture	2,341,285	125,306	147,809	1,466,360	4,080,760
310	Manufacture of jewellery, bijouterie and related articles	26,939	4,064	-	24,775	55,778
321	Manufacture of medical and dental instruments and supplies	18,766	3,104	4,290	1,258	27,418
325	Other manufacturing n.e.c.	31,075,885	4,354,060	5,176,975	12,871,199	53,478,119
329	Repair of fabricated metal products, machinery and equipment	455,711	23,434	34,347	250,759	764,251
331	TOTAL MANUFACTURING	275,417,983	23,989,458	19,049,648	72,399,718	390,856,807
351	Electric power generation, transmission and distribution	44,682,065	6,459,323	138,672	15,468,726	66,748,786
360	Water collection, treatment and supply	3,353,475	840,259	107,003	1,866,909	6,167,646
	ELECTRICITY AND WATER SUPPLY	48,035,540	7,299,582	245,675	17,335,635	72,916,432
	TOTAL INDUSTRY	346,359,346	33,398,685	20,548,912	91,321,593	491,628,536

Table 34: Value added by industrial activity -2008			(000' Tshs.)			
ISIC			Total			Net value
Rev.4	Industrial activity	Gross output	production costs	Value added	Depreciation	added
051	Mining of hard coal	6,487,417	4,694,265	1,793,152	221,260	1,571,892
062	Extraction of natural gas	114,788,310	66,737,158	48,051,152	34,365,870	13,685,282
072	Mining of non-ferrous metal ores	17,613,657	11,480,344	6,133,313	1,155,228	4,978,085
081	Quarrying of stone, sand and clay	175,179,742	92,185,718	82,994,024	3,611,235	79,382,789
089	Mining and quarrying n.e.c.	43,907,650	25,907,516	18,000,134	4,343,511	13,656,623
	MINING AND QUARRYING	357,976,776	201,005,001	156,971,775	43,697,104	113,274,671
101	Processing and preserving of meat	3,397,822	992,791	2,405,031	103,743	2,301,288
102	Processing and preserving of fish, crustaceans and molluscs	274,670,442	202,461,009	72,209,433	6,639,355	65,570,078
103	Processing and preserving of fruit and vegetables	5,179,502	2,889,984	2,289,518	963,672	1,325,846
104	Manufacture of vegetable and animal oils and fats	73,827,622	41,097,419	32,730,203	17,523,434	15,206,769
106	Manufacture of grain mill products, starches and starch products	104,473,480	69,963,244	34,510,236	4,570,664	29,939,572
107	Manufacture of other food products	647,068,810	312,338,023	334,730,787	949,277	333,781,510
108	Manufacture of prepared animal feeds	1,083,387	713,893	369,494	18,651	350,843
110	Manufacture of beverages	842,391,692	536,900,084	305,491,608	40,414,054	265,077,554
120	Manufacture of tobacco products	262,119,770	163,175,189	98,944,581	19,730,661	79,213,920
131	Spinning, weaving and finishing of textiles	74,470,609	51,902,922	22,567,687	10,420,617	12,147,070
139	Manufacture of other textiles	114,419,871	56,513,584	57,906,287	10,127,399	47,778,888
141	Manufacture of wearing apparel, except fur apparel	798,181	306,419	491,762	205,544	286,218
151	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	8,771,873	5,948,904	2,822,969	277,375	2,545,594
152	Manufacture of footwear	8,133,738	4,951,596	3,182,142	603,369	2,578,773
161	Sawmilling and planing of wood	5,479,551	2,591,879	2,887,672	87,503	2,800,169
162	Manufacture of products of wood, cork, straw and plaiting materials	6,597,921	3,583,128	3,014,793	360,850	2,653,943
170	Manufacture of paper and paper products	21,148,916	12,614,456	8,534,460	7,852,244	682,216
181	Printing and service activities related to printing	160,807,938	89,724,519	71,083,419	215,872	70,867,547
201	Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms	149,156,155	77,615,956	71,540,199	2,163,405	69,376,794
202	Manufacture of other chemical products	193,797,529	108,802,771	84,994,758	4,428,180	80,566,578
203	Manufacture of man-made fibres	15,246,504	12,433,882	2,812,622	984,097	1,828,525
210	Manufacture of pharmaceuticals, medicinal chemical and botanical products	68,945,227	43,677,115	25,268,112	2,763,097	22,505,015
222	Manufacture of plastics products	427,973,721	297,107,413	130,866,308	8,943,526	121,922,782
231	Manufacture of glass and glass products	1,022,250	498,202	524,048	3,210	520,838

Table 34: Value added by industrial activity -2008 (continued)

		(000' Tshs.)				
ISIC		Total				Net value
Rev.4	Industrial activity	Gross output	production costs	Value added	Depreciation	added
239	Manufacture of non-metallic mineral products n.e.c.	344,234,103	220,977,277	123,256,826	28,597,046	94,659,780
241	Manufacture of basic iron and steel	26,589,004	18,362,148	8,226,856	531,739	7,695,117
243	Casting of metals	12,076,805	6,734,517	5,342,288	856,727	4,485,561
251	Manufacture of structural metal products, tanks, reservoirs and steam generators	14,117,743	10,473,470	3,644,273	1,257,282	2,386,991
259	Manufacture of other fabricated metal products; metalworking service activities	169,455,039	137,826,084	31,628,955	3,666,354	27,962,601
272	Manufacture of batteries and accumulators	15,205,884	13,746,865	1,459,019	387,395	1,071,624
273	Manufacture of wiring and wiring devices	32,125,071	23,298,208	8,826,863	314,615	8,512,248
274	Manufacture of electric lighting equipment	3,230,952	2,778,923	452,029	60,498	391,531
279	Manufacture of other electrical equipment	77,989	34,262	43,727	5,562	38,165
281	Manufacture of general-purpose machinery	10,533,186	8,381,135	2,152,051	409,636	1,742,415
282	Manufacture of special-purpose machinery	3,267,053	2,193,907	1,073,146	206,127	867,019
292	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	1,627,081	1,248,950	378,131	69,637	308,494
293	Manufacture of parts and accessories for motor vehicles	138,195	61,369	76,826	3,484	73,342
301	Building of ships and boats	460,171	251,223	208,948	9,409	199,539
309	Manufacture of transport equipment n.e.c.	463,698	335,592	128,106	650	127,456
310	Manufacture of furniture	25,721,972	17,188,708	8,533,264	3,034,583	5,498,681
321	Manufacture of jewellery, bijouterie and related articles	349,677	144,908	204,769	2,860	201,909
325	Manufacture of medical and dental instruments and supplies	474,380	161,813	312,567	14,605	297,962
329	Other manufacturing n.e.c.	578,092,463	350,070,495	228,021,968	20,059,101	207,962,867
331	Repair of fabricated metal products, machinery and equipment	2,153,481	918,985	1,234,496	86,414	1,148,082
	TOTAL MANUFACTURING	4,711,376,458	2,913,993,221	1,797,383,237	199,923,523	1,597,459,714
351	Electric power generation, transmission and distribution	756,900,913	602,844,574	154,056,339	13,301,693	140,754,646
360	Water collection, treatment and supply	33,607,828	17,555,264	16,052,564	2,713,469	13,339,095
	ELECTRICITY AND WATER SUPPLY	790,508,741	620,399,838	170,108,903	16,015,162	154,093,741
	TOTAL INDUSTRY	5,859,861,975	3,735,398,060	2,124,463,915	259,635,789	1,864,828,126

Table 35: Stocks held by industrial activity -2008

		(000' Tshs.)					
ISIC Rev.4	Industrial activity	At the beginning			At the end		
		Materials	Semi-finished products	Finished products	Materials	Semi-finished products	Finished products
051	Mining of hard coal	-	-	-	29,001	-	-
062	Extraction of natural gas	9,891,210	4,165,560	-	10,009,580	3,283,770	-
072	Mining of non-ferrous metal ores	1,111,402	-	777,922	990,188	-	707,489
081	Quarrying of stone, sand and clay	11,239,071	2,348,459	-	14,112,103	2,771,834	-
089	Mining and quarrying n.e.c.	4,611,174	21,118	3,878,923	4,513,608	128,390	2,457,514
	MINING AND QUARRYING	26,852,857	6,535,137	4,656,845	29,654,480	6,183,994	3,165,003
101	Processing and preserving of meat	55,267	-	-	91,543	-	-
102	Processing and preserving of fish, crustaceans and molluscs	2,354,430	-	6,287,388	2,808,187	-	6,791,413
103	Processing and preserving of fruit and vegetables	456,423	10,000	102,979	641,691	12,000	130,690
104	Manufacture of vegetable and animal oils and fats	1,744,835	416,601	103,689	2,413,305	585,367	176,267
106	Manufacture of grain mill products, starches and starch products	22,321,213	33,075	272,061	17,602,238	45,788	1,108,932
107	Manufacture of other food products	45,735,132	945,955	6,455,093	51,424,993	1,699,623	10,078,016
108	Manufacture of prepared animal feeds	300,683	32,000	6,000	395,426	48,000	12,000
110	Manufacture of beverages	38,914,291	4,820,344	9,355,947	59,964,217	6,554,204	18,684,791
120	Manufacture of tobacco products	31,828,045	471,250	11,077,321	44,892,424	553,123	11,986,698
131	Spinning, weaving and finishing of textiles	3,823,133	398,505	1,185,165	9,502,576	2,589,950	2,819,334
139	Manufacture of other textiles	19,207,164	155,769	4,412,538	24,231,296	104,254	10,020,183
141	Manufacture of wearing apparel, except fur apparel	86,730	-	-	152,011	-	-
151	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	3,072,564	433,692	576,104	2,321,692	429,675	787,816
152	Manufacture of footwear	3,298,231	93,312	195,095	3,417,472	126,984	207,428
161	Sawmilling and planing of wood	388,266	-	567,151	447,107	-	28,509
162	Manufacture of products of wood, cork, straw and plaiting materials	358,021	2,525	317,869	392,596	3,430	437,892
170	Manufacture of paper and paper products	927,801	44,811	84,452	971,725	81,843	85,517
181	Printing and service activities related to printing	8,057,869	152,033	1,304,452	11,170,434	209,993	1,806,063
201	Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms	4,124,347	76,942	1,142,169	5,605,555	91,788	1,206,195
202	Manufacture of other chemical products	35,490,220	761,828	3,050,992	32,481,266	1,142,066	3,330,591
203	Manufacture of man-made fibres	2,280,898	-	-	1,842,884	-	-
210	Manufacture of pharmaceuticals, medicinal chemical and botanical products	4,865,791	728,434	4,243,700	5,249,044	1,480,417	5,645,863
222	Manufacture of plastics products	16,906,209	623,501	9,839,535	20,343,811	308,548	10,776,139
231	Manufacture of glass and glass products	520,755	-	-	600,000	-	-

Table 35: Stocks held by industrial activity -2008 (continued)

		(000' Tshs.)					
ISIC Rev.4	Industrial activity	At the beginning			At the end		
		Materials	Semi-finished products	Finished products	Materials	Semi-finished products	Finished products
239	Manufacture of non-metallic mineral products n.e.c.	18,291,257	10,219,477	9,415,326	26,577,412	9,642,704	10,602,545
241	Manufacture of basic iron and steel	1,692,754	467,747	955,318	2,238,594	1,168,741	1,803,629
243	Casting of metals	2,688,147	161,650	727,225	6,861,096	547,115	959,839
251	Manufacture of structural metal products, tanks, reservoirs and steam generators	1,164,482	334,650	611,832	1,532,390	621,240	465,864
259	Manufacture of other fabricated metal products; metalworking service activities	18,184,336	151,820	87,582,614	20,038,787	273,217	82,205,859
272	Manufacture of batteries and accumulators	3,102,733	287,827	537,294	3,123,568	89,832	1,055,003
273	Manufacture of wiring and wiring devices	3,680,235	1,014,398	704,265	2,389,386	768,688	2,039,757
274	Manufacture of electric lighting equipment	774,912	-	89,109	1,062,413	-	296,350
279	Manufacture of other electrical equipment	-	-	21,016	-	-	13,109
281	Manufacture of general-purpose machinery	24,484	-	540,415	371,773	-	1,224,756
282	Manufacture of special-purpose machinery	179,639	15,720	109,934	194,014	17,731	143,101
292	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	121,169	-	-	78,819	-	-
293	Manufacture of parts and accessories for motor vehicles	3,289	-	-	3,289	-	-
301	Building of ships and boats	-	23,778	-	-	58,970	-
309	Manufacture of transport equipment n.e.c.	-	33,480	-	-	20,612	-
310	Manufacture of furniture	1,332,870	277,517	1,087,750	1,566,893	286,612	1,077,373
321	Manufacture of jewellery, bijouterie and related articles	129,745	-	-	131,808	-	-
325	Manufacture of medical and dental instruments and supplies	3,576	3,790	90,966	-	-	-
329	Other manufacturing n.e.c.	45,254,971	4,347,911	12,142,071	79,328,967	5,476,178	26,878,546
331	Repair of fabricated metal products, machinery and equipment	18,618	3,265	52,716	93,983	11,071	78,421
	TOTAL MANUFACTURING	343,765,535	27,543,607	175,247,551	444,556,685	35,049,764	214,964,489
351	Electric power generation, transmission and distribution	52,592,047	118,447,537	-	61,133,174	73,282,729	-
360	Water collection, treatment and supply	3,246,523	210	42,069	3,366,854	210	37,964
	ELECTRICITY AND WATER SUPPLY	55,838,570	118,447,747	42,069	64,500,028	73,282,939	37,964
	TOTAL INDUSTRY	426,456,962	152,526,491	179,946,465	538,711,193	114,516,697	218,167,456

Table 36: Expenditure on fixed assets by industrial activity -2008

(000' Tshs.)

ISIC Rev.4	Industrial activity	Land improvements	Building and other construction works	Transport equipment	Machinery and other equipment	Database peripherals, software etc.	Other fixed assets	Fixed assets sold	Gross additions to fixed assets
051	Mining of hard coal	475,803	-	511,647	5,114,862	-	155,202	972,996	5,284,518
062	Extraction of natural gas	-	7,006,440	424,261	340,946,830	-	2,303,560	32,031,720	318,649,371
072	Mining of non-ferrous metal ores	-	2,937,480	-	2,848,680	-	11,984,888	3,105,730	14,665,318
081	Quarrying of stone, sand and clay	1,196,824	574,439	354,682	10,151,233	-	766,672	13,320,559	-276,709
089	Mining and quarrying n.e.c.	1,293,336	3,865,697	438,874	9,690,610	89,507	132,291	1,835,111	13,675,204
	MINING AND QUARRYING	2,965,963	14,384,056	1,729,464	368,752,215	89,507	15,342,613	51,266,116	351,997,702
101	Processing and preserving of meat	-	2,016,243	29,953	1,191,482	-	-	36,766	3,200,912
102	Processing and preserving of fish, crustaceans and molluscs	1,434,625	26,385,752	5,045,511	17,901,301	59,838	2,521,537	11,513,997	41,834,567
103	Processing and preserving of fruit and vegetables	7,000	457,472	103,337	374,076	81,946	34,735	180,135	878,431
104	Manufacture of vegetable and animal oils and fats	3,538,422	9,126,390	1,198,275	5,534,775	11,501	652,043	761,913	19,299,493
106	Manufacture of grain mill products, starches and starch products	1,601,963	6,322,950	1,372,148	8,665,977	44,179	140,292	1,424,358	16,723,151
107	Manufacture of other food products	753,371,410	1,423,677,464	1,383,943,511	1,240,226,825	19,465,539	14,743,034	910,182,704	3,925,245,079
108	Manufacture of prepared animal feeds	-	-	73,108	57,802	1,426	342	3,438	129,240
110	Manufacture of beverages	11,169,243	47,656,954	24,033,688	156,864,064	25,974,061	55,289,681	94,437,095	226,550,596
120	Manufacture of tobacco products	2,299,665	22,599,137	2,120,518	30,846,505	593,539	2,002,003	5,976,157	54,485,210
131	Spinning, weaving and finishing of textiles	102,668	7,124,306	412,786	10,963,372	-	50,372	2,942,178	15,711,326
139	Manufacture of other textiles	10,581,466	10,656,306	1,195,305	57,278,479	192,351	2,682,098	8,037,306	74,548,699
141	Manufacture of wearing apparel, except fur apparel	391,262	-	7,001	65,760	-	20,476	-	484,499
151	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	1,147,630	602,247	118,571	1,035,766	4,607	25,920	494,506	2,440,235
152	Manufacture of footwear	2,939,261	-	30,193	3,326,112	-	53,759	10,132	6,339,193
161	Sawmilling and planing of wood	208,506	847,681	601,983	595,544	4,162	7,923	58,500	2,207,299
162	Manufacture of products of wood, cork, straw and plaiting materials	679,329	59,359	36,714	1,350,005	3,773	22,500	-	2,151,680

Table 36: Expenditure on fixed assets by industrial activity -2008 (continued)

(000' Tshs.)

ISIC Rev.4	Industrial activity	Land improvements	Building and other construction works	Transport equipment	Machinery and other equipment	Database peripherals, software etc.	Other fixed assets	Fixed assets sold	Gross additions to fixed assets
170	Manufacture of paper and paper products	87,556	1,238,891	7,981,195	38,684,250	590,556	39,615,823	40,054,637	48,143,634
181	Printing and service activities related to printing	1,119,557	6,849,590	1,646,950	137,821,641	834,760	20,719,966	41,109,231	127,883,233
201	Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms	185,592	3,435,936	162,039	25,447,305	22,466	857,973	2,405,975	27,705,336
202	Manufacture of other chemical products	3,194,967	6,627,120	2,346,848	14,033,394	63,400	838,279	3,121,778	23,982,230
203	Manufacture of man-made fibres	1,972,228	83,511	8,251,806	33,035	64,886	-	880,328	9,525,138
210	Manufacture of pharmaceuticals, medicinal chemical and botanical products	632,028	4,511,886	855,194	9,851,251	7,603,094	2,349,647	2,991,789	22,811,311
222	Manufacture of plastics products	1,886,775	5,305,683	4,131,813	26,910,240	2,257,682	6,942,043	7,364,859	40,069,377
231	Manufacture of glass and glass products	-	3,513	-	325	-	4,601	-	8,439
239	Manufacture of non-metallic mineral products n.e.c.	3,531,681	11,596,925	3,745,119	96,045,700	1,004,567	78,317,895	78,852,459	115,389,428
241	Manufacture of basic iron and steel	451,299	1,477,400	440,435	2,473,435	287,659	23,218	652,474	4,500,972
243	Casting of metals	3,103,744	-	416,676	9,868,055	55,397	1,621	904,244	12,541,249
251	Manufacture of structural metal products, tanks, reservoirs and steam generators	401,165	3,123,111	581,405	4,666,073	132,001	191,284	1,892,326	7,202,713
259	Manufacture of other fabricated metal products; metalworking service activities	7,871,426	10,264,049	7,118,297	9,372,225	168,039	1,569,863	5,736,519	30,627,380
272	Manufacture of batteries and accumulators	-	253,258	35,278	1,241,473	-	18,651	463,157	1,085,503
273	Manufacture of wiring and wiring devices	81,935	778,128	346,893	1,788,631	-	273,465	1,215,146	2,053,906
274	Manufacture of electric lighting equipment	-	-	20,587	150,853	4,493	-	24,944	150,989
279	Manufacture of other electrical equipment	-	86,723	1,976	-	-	127,710	-	216,409
281	Manufacture of general-purpose machinery	143,396	1,028,030	31,138	612,502	3,170	24,299	54,483	1,788,052
282	Manufacture of special-purpose machinery	-	127,918	392,346	722,140	-	21,223	466,291	797,336
292	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	168,333	-	25,420	740,145	225	71,771	111,882	894,012

Table 36: Expenditure on fixed assets by industrial activity -2008 (continued)

(000' Tshs.)

ISIC Rev.4	Industrial activity	Land improvements	Building and other construction works	Transport equipment	Machinery and other equipment	Database peripherals, software etc.	Other fixed assets	Fixed assets sold	Gross additions to fixed assets
293	Manufacture of parts and accessories for motor vehicles	18,400	439,752	327	23,625	-	-	260	481,844
301	Building of ships and boats	-	4,259	11,950	15,414	2,010	-	-	33,633
309	Manufacture of transport equipment n.e.c.	-	1,085	-	4,365	44	-	4,600	894
310	Manufacture of furniture	1,738,561	5,042,032	7,850,196	3,104,710	89,965	1,539,200	2,059,885	17,304,779
321	Manufacture of jewellery, bijouterie and related articles	-	-	-	6,327	1,372	-	-	7,699
325	Manufacture of medical and dental instruments and supplies	-	-	-	13,395	5,046	4,922	16,424	6,939
329	Other manufacturing n.e.c.	8,992,194	80,226,266	11,182,503	96,326,905	2,626,437	18,902,999	36,494,178	181,763,126
331	Repair of fabricated metal products, machinery and equipment	-	10,988	79,297	42,429	3,634	21,146	40,162	117,332
	TOTAL MANUFACTURING	825,053,287	1,700,048,315	1,477,978,290	2,016,277,688	62,257,825	250,684,314	1,262,977,216	5,069,322,503
351	Electric power generation, transmission and distribution	1,612,442	40,547,398	8,082,556	123,504,362	12,000	185,408	12,469,299	161,474,867
360	Water collection, treatment and supply	4,020,719	1,157,851	1,212,539	6,205,972	122,222	19,639,705	3,624,374	28,734,634
	ELECTRICITY AND WATER SUPPLY	5,633,161	41,705,249	9,295,095	129,710,334	134,222	19,825,113	16,093,673	190,209,501
	TOTAL INDUSTRY	833,652,411	1,756,137,620	1,489,002,849	2,514,740,237	62,481,554	285,852,040	1,330,337,005	5,611,529,706

Table 37: Number of establishments by industrial activity and region -2008

		Region									
ISIC Rev.4	Industrial activity	Dodoma	Arusha	Kilimanjaro	Tanga	Morogoro	Pwani	Dar es Salaam	Lindi	Mtwara	Ruvuma
05	Mining of coal and lignite	-	-	-	-	-	-	-	-	-	-
06	Extraction of crude petroleum and natural gas	-	-	-	-	-	-	1	-	-	-
07	Mining of metal ores	-	-	-	-	-	-	-	-	-	-
08	Other mining and quarrying	-	-	1	2	-	-	2	-	-	-
	MINING AND QUARRYING	-	-	1	2	-	-	3	-	-	-
10	Manufacture of food products	4	14	5	9	5	-	72	1	-	2
11	Manufacture of beverages	1	5	3	1	-	-	14	-	2	1
12	Manufacture of tobacco products	-	-	-	-	3	-	1	-	-	-
13	Manufacture of textiles	-	4	-	2	1	-	26	-	-	-
14	Manufacture of wearing apparel	-	-	-	-	-	-	2	-	-	-
15	Manufacture of leather and related products	-	-	1	-	1	-	4	-	-	-
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-	1	-	-	-	-	8	1	-	2
17	Manufacture of paper and paper products	-	-	1	-	-	-	2	-	-	-
18	Printing and reproduction of recorded media	-	5	3	2	1	-	36	-	1	1
20	Manufacture of chemicals and chemical products	-	2	-	-	-	-	23	1	-	-
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	-	1	-	-	-	-	5	-	-	-
22	Manufacture of rubber and plastics products	-	1	-	-	1	-	12	-	-	-
23	Manufacture of other non-metallic mineral products	-	3	1	2	1	2	15	-	-	-
24	Manufacture of basic metals	-	1	-	-	1	-	4	-	-	-
25	Manufacture of fabricated metal products, except machinery and equipment	-	4	1	-	-	1	20	-	-	-
27	Manufacture of electrical equipment	-	-	-	-	-	-	4	-	-	-
28	Manufacture of machinery and equipment n.e.c.	-	-	-	-	1	-	5	-	-	-
29	Manufacture of motor vehicles, trailers and semi-trailers	-	-	-	-	-	-	4	-	-	-
30	Manufacture of other transport equipment	-	-	-	-	-	-	1	-	-	-
31	Manufacture of furniture	-	-	4	1	4	3	64	1	1	-
32	Other manufacturing	1	8	3	6	2	1	53	-	-	-
33	Repair and installation of machinery and equipment	-	-	-	1	-	-	2	-	1	-
	TOTAL MANUFACTURING	6	49	22	24	21	7	377	4	5	6
35	Electricity, gas, steam and air conditioning supply	1	2	1	1	1	1	2	1	1	1
36	Water collection, treatment and supply	1	-	-	-	-	-	1	1	-	-
	ELECTRICITY AND WATER SUPPLY	2	2	1	1	1	1	3	2	1	1
	TOTAL INDUSTRY	8	51	24	27	22	8	383	6	6	7

Table 37: Number of establishments by industrial activity and region -2008 (continued)												Region
ISIC Rev.4	Industrial activity	Iringa	Mbeya	Singida	Tabora	Rukwa	Kigoma	Shinyanga	Kagera	Mwanza	Mara	Manyara
05	Mining of coal and lignite	-	1	-	-	-	-	-	-	-	-	-
06	Extraction of crude petroleum and natural gas	-	-	-	-	-	-	-	-	-	-	-
07	Mining of metal ores	-	-	-	-	-	-	-	-	-	-	1
08	Other mining and quarrying	-	-	-	1	-	1	1	-	-	-	1
	MINING AND QUARRYING	-	1	-	1	-	1	1	-	-	-	2
10	Manufacture of food products	8	5	20	-	2	3	7	17	13	7	9
11	Manufacture of beverages	-	1	-	-	-	-	-	-	3	1	1
12	Manufacture of tobacco products	-	-	-	-	-	-	-	-	-	-	-
13	Manufacture of textiles	-	1	-	-	-	-	1	-	2	1	-
14	Manufacture of wearing apparel	-	-	-	-	-	-	-	-	-	-	-
15	Manufacture of leather and related products	-	-	-	-	-	-	-	-	1	-	-
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-	2	-	1	-	-	-	-	2	-	-
17	Manufacture of paper and paper products	1	-	-	-	-	-	-	-	-	-	-
18	Printing and reproduction of recorded media	-	-	-	1	-	-	-	2	1	1	-
20	Manufacture of chemicals and chemical products	-	-	-	-	-	2	-	-	2	-	-
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	-	-	-	-	-	-	-	-	1	-	-
22	Manufacture of rubber and plastics products	-	-	-	-	-	-	-	-	1	-	-
23	Manufacture of other non-metallic mineral products	-	2	-	-	-	-	-	-	-	-	-
24	Manufacture of basic metals	-	-	-	-	-	-	-	-	1	-	-
25	Manufacture of fabricated metal products, except machinery and equipment	-	-	1	1	-	-	-	-	3	-	-
27	Manufacture of electrical equipment	-	1	-	-	-	-	-	-	-	-	-
28	Manufacture of machinery and equipment n.e.c.	-	1	-	-	-	-	-	-	-	-	-
29	Manufacture of motor vehicles, trailers and semi-trailers	-	-	-	-	-	-	-	-	-	-	-
30	Manufacture of other transport equipment	-	-	-	-	-	-	-	-	-	1	-
31	Manufacture of furniture	4	2	4	-	-	-	-	4	4	-	-
32	Other manufacturing	2	1	-	-	-	-	-	1	4	-	-
33	Repair and installation of machinery and equipment	1	-	-	-	-	-	-	-	-	-	-
	TOTAL MANUFACTURING	16	16	25	3	3	5	-	24	38	11	10
35	Electricity, gas, steam and air conditioning supply	1	1	1	1	1	1	1	1	1	1	1
36	Water collection, treatment and supply	2	1	1	2	1	1	1	1	-	1	-
	ELECTRICITY AND WATER SUPPLY	3	2	2	3	2	2	2	2	1	2	1
	TOTAL INDUSTRY	19	19	27	7	5	8	11	26	39	13	13

Table 38: Number of establishments, employees, total persons engaged, wages and salaries, total labour costs, gross output, production costs and value added by region -2008

Region	(Number)			(000' Tshs.)				
	Establishments	Employees	Total persons engaged	Wages and salaries	Total labour costs	Gross output	Production costs	Value added
Dodoma	8	442	462	1,897,129	2,582,987	27,312,476	18,910,055	8,402,421
Arusha	51	15,119	15,174	13,408,547	19,091,357	390,503,794	247,008,848	143,494,946
Kilimanjaro	24	6,621	6,639	14,712,722	22,532,679	155,622,017	96,262,819	59,359,198
Tanga	27	6,116	6,152	17,145,621	23,038,716	224,056,081	155,841,159	68,214,922
Morogoro	22	19,453	19,474	24,380,854	36,858,982	271,565,264	137,599,529	133,965,735
Coast	8	966	994	2,577,181	5,224,241	28,424,130	22,090,957	6,333,173
Dar es Salaam	383	33,857	34,554	140,578,104	222,233,101	3,210,239,296	2,118,278,278	1,091,961,018
Lindi	6	196	201	745,653	875,557	2,532,268	1,507,185	1,025,083
Mtwara	6	262	272	864,137	1,231,665	9,824,877	5,647,442	4,177,435
Ruvuma	7	349	363	425,392	766,574	13,862,365	9,467,341	4,395,024
Iringa	19	12,764	12,779	16,428,204	22,728,547	106,789,315	53,409,646	53,379,669
Mbeya	19	3,205	3,232	68,188,579	75,720,585	251,228,586	158,186,154	93,042,432
Singida	27	627	727	555,320	953,064	9,582,563	4,765,624	4,816,939
Tabora	7	644	647	5,046,293	6,275,858	189,917,649	102,886,368	87,031,281
Rukwa	5	276	279	438,356	676,832	5,759,389	4,463,039	1,296,350
Kigoma	8	505	509	1,795,812	2,078,968	34,661,779	23,098,835	11,562,944
Shinyanga	11	1,495	1,501	10,628,206	13,184,313	89,820,556	64,471,606	25,348,950
Kagera	26	5,888	5,926	7,657,498	10,053,501	342,618,497	165,449,168	177,169,329
Mwanza	39	5,164	5,245	10,928,766	15,484,156	413,195,145	287,897,910	125,297,235
Mara	13	1,512	1,533	3,018,409	3,810,534	51,101,235	36,254,759	14,846,476
Manyara	13	918	959	4,938,563	6,226,319	31,244,693	21,901,338	9,343,355
Total	729	116,379	117,622	346,359,346	491,628,536	5,859,861,975	3,735,398,060	2,124,463,915

Table 39: Number of persons engaged in industry by ownership -2008		(Number)					
ISIC Rev.4	Industrial activity	Public			Private		
		Employees	Others	Total persons engaged	Employees	Others	Total persons engaged
05	Mining of coal and lignite	-	-	-	493	9	502
06	Extraction of crude petroleum and natural gas	-	-	-	-	-	-
07	Mining of metal ores	-	-	-	715	27	742
08	Other mining and quarrying	197	-	197	909	197	1,106
	MINING AND QUARRYING	197	-	197	2,117	233	2,350
10	Manufacture of food products	670	56	726	40,123	2,145	42,270
11	Manufacture of beverages	78	11	89	5,253	410	5,663
12	Manufacture of tobacco products	-	-	-	6,747	-	6,747
13	Manufacture of textiles	638	5	643	10,804	465	11,269
14	Manufacture of wearing apparel	-	-	-	62	9	71
15	Manufacture of leather and related products	-	-	-	1,426	21	1,447
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-	-	-	749	30	779
17	Manufacture of paper and paper products	1,595	-	1,595	264	3	267
18	Printing and reproduction of recorded media	733	3	736	2,853	87	2,940
20	Manufacture of chemicals and chemical products	13	2	15	3,436	96	3,532
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	-	-	-	797	30	827
22	Manufacture of rubber and plastics products	97	103	200	3,824	33	3,857
23	Manufacture of other non-metallic mineral products	395	-	395	1,748	50	1,798
24	Manufacture of basic metals	-	-	-	788	30	818
25	Manufacture of fabricated metal products, except machinery and equipment	281	244	525	1,815	55	1,870
27	Manufacture of electrical equipment	-	-	-	282	5	287
28	Manufacture of machinery and equipment n.e.c.	21	-	21	330	13	343
29	Manufacture of motor vehicles, trailers and semi-trailers	-	-	-	94	6	100
30	Manufacture of other transport equipment	-	-	-	88	6	94
31	Manufacture of furniture	22	6	28	2,320	228	2,548
32	Other manufacturing	314	2	316	12,264	309	12,573
33	Repair and installation of machinery and equipment	19	-	19	59	1	60
	TOTAL MANUFACTURING	4,876	432	5,308	96,126	4,032	100,160
35	Electricity, gas, steam and air conditioning supply	4,975	1,012	5,987	379	9	388
36	Water collection, treatment and supply	863	39	902	333	6	339
	ELECTRICITY AND WATER SUPPLY	5,838	1,051	6,889	712	15	727
	TOTAL INDUSTRY	10,911	1,483	12,394	98,955	4,280	103,237

Table 40: Total labour costs in industry by ownership -2008

						(000' Tshs.)			
ISIC Rev.4	Industrial activity	Public				Private			
		Wages and salaries	Pension funds	Benefits in kind	Total labour costs	Wages and salaries	Pension funds	Benefits in kind	Total labour costs
05	Mining of coal and lignite	-	-	-	-	822,373	110,721	-	941,913
06	Extraction of crude petroleum and natural gas	-	-	-	-	-	-	-	-
07	Mining of metal ores	-	-	-	-	4,483,257	939,695	-	5,649,328
08	Other mining and quarrying	4,028,979	617,315	100,982	4,826,026	10,767,574	21,368	32,747	11,907,340
	MINING AND QUARRYING	4,028,979	617,315	100,982	4,826,026	16,073,204	1,071,784	32,747	18,498,581
10	Manufacture of food products	1,215,087	293,661	38,807	1,738,500	50,447,211	5,108,822	3,441,630	72,651,271
11	Manufacture of beverages	362,770	39,831	28,961	525,085	35,655,061	5,301,930	1,135,060	55,914,386
12	Manufacture of tobacco products	-	-	-	-	17,375,349	1,740,159	1,876,052	26,915,425
13	Manufacture of textiles	539,508	51,482	250	615,429	9,645,940	799,811	809,826	13,530,762
14	Manufacture of wearing apparel	-	-	-	-	76,899	4,891	-	81,790
15	Manufacture of leather and related products	-	-	-	-	1,510,090	101,863	61,281	2,017,064
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-	-	-	-	760,012	62,764	25,518	977,819
17	Manufacture of paper and paper products	3,059,683	136,560	47,054	3,543,457	322,071	56,177	42,299	509,617
18	Printing and reproduction of recorded media	4,455,965	337,604	109,119	5,693,488	9,957,542	1,135,655	456,509	13,789,207
20	Manufacture of chemicals and chemical products	33,126	3,643	2,982	46,802	11,249,725	830,199	847,278	16,213,980
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	-	-	-	-	1,952,986	186,236	301,029	2,790,884
22	Manufacture of rubber and plastics products	291,916	13,000	-	623,094	5,312,608	252,028	394,585	9,775,885
23	Manufacture of other non-metallic mineral products	7,905,276	872,229	818,261	11,464,143	63,986,448	461,540	636,259	65,317,913
24	Manufacture of basic metals	-	-	-	-	1,933,451	139,581	71,254	3,615,527
25	Manufacture of fabricated metal products, except machinery and equipment	908,031	144,560	138,540	2,640,839	3,251,906	299,647	269,970	4,561,123
27	Manufacture of electrical equipment	-	-	-	-	803,621	45,695	334,526	2,101,302
28	Manufacture of machinery and equipment n.e.c.	24,608	1,550	47,505	86,272	740,014	59,045	30,847	1,516,560
29	Manufacture of motor vehicles, trailers and semi-trailers	-	-	-	-	161,696	17,101	18,438	204,596
30	Manufacture of other transport equipment	-	-	-	-	76,329	2,519	10,213	127,990
31	Manufacture of furniture	7,220	338	1,260	14,658	2,317,745	122,248	143,667	4,041,944
32	Other manufacturing	862,227	40,935	71,700	1,638,591	30,132,665	4,310,054	5,055,215	51,705,975
33	Repair and installation of machinery and equipment	247,892	4,310	9,699	267,638	207,819	19,124	24,648	496,613
	TOTAL MANUFACTURING	19,913,309	1,939,703	1,314,138	28,897,996	247,877,188	21,057,089	15,986,104	348,857,633
35	Electricity, gas, steam and air conditioning supply	41,753,208	6,208,697	9,728	60,639,405	2,928,857	250,626	128,944	6,109,381
36	Water collection, treatment and supply	3,082,803	818,917	79,572	5,820,892	270,672	21,342	27,431	346,754
	ELECTRICITY AND WATER SUPPLY	44,836,011	7,027,614	89,300	66,460,297	3,199,529	271,968	156,375	6,456,135
	TOTAL INDUSTRY	68,778,299	9,584,632	1,504,420	100,184,319	267,149,921	22,400,841	16,175,226	373,812,349

Table 41: Number of establishments, gross output, production cost and value added in industry by ownership -2008

ISIC Rev. 4	Industrial activity	Public				Private			
		Number of establishments	Gross output (000'Tshs)	Production cost (000'Tshs)	Value added (000'Tshs)	Number of establishments	Gross output (000'Tshs)	Production cost (000'Tshs)	Value added (000'Tshs)
05	Mining of coal and lignite	-	-	-	-	1	6,487,417	4,694,265	1,793,152
06	Extraction of crude petroleum and natural gas	-	-	-	-	-	-	-	-
07	Mining of metal ores	-	-	-	-	1	17,613,657	11,480,344	6,133,313
08	Other mining and quarrying	1	173,939,463	91,518,747	82,420,716	8	45,147,929	26,574,487	18,573,442
	MINING AND QUARRYING	1	173,939,463	91,518,747	82,420,716	10	69,249,003	42,749,096	26,499,907
10	Manufacture of food products	11	20,900,902	11,591,067	9,309,835	189	1,085,945,419	617,339,401	468,606,018
11	Manufacture of beverages	2	2,925,480	1,248,177	1,677,303	30	836,558,904	534,954,757	301,604,147
12	Manufacture of tobacco products	-	-	-	-	4	262,119,770	163,175,189	98,944,581
13	Manufacture of textiles	2	4,528,516	3,731,593	796,923	36	184,361,964	104,684,913	79,677,051
14	Manufacture of wearing apparel	-	-	-	-	2	798,181	306,419	491,762
15	Manufacture of leather and related products	-	-	-	-	7	16,905,611	10,900,500	6,005,111
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-	-	-	-	17	12,077,472	6,175,007	5,902,465
17	Manufacture of paper and paper products	-	-	-	-	-	-	-	-
18	Printing and reproduction of recorded media	8	23,217,790	14,209,485	9,008,305	45	136,997,971	75,509,554	61,488,417
20	Manufacture of chemicals and chemical products	1	853,275	751,959	101,316	29	357,346,913	198,100,650	159,246,263
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	-	-	-	-	4	38,432,863	24,984,449	13,448,414
22	Manufacture of rubber and plastics products	1	11,683,812	8,414,954	3,268,858	13	400,747,640	276,291,409	124,456,231
23	Manufacture of other non-metallic mineral products	2	121,663,916	89,635,141	32,028,775	23	73,010,524	40,599,393	32,411,131
24	Manufacture of basic metals	-	-	-	-	7	38,665,809	25,096,665	13,569,144
25	Manufacture of fabricated metal products, except machinery and equipment	4	3,904,140	2,224,694	1,679,446	27	179,668,642	146,074,860	33,593,782
27	Manufacture of electrical equipment	-	-	-	-	4	26,577,457	23,960,039	2,617,418
28	Manufacture of machinery and equipment n.e.c.	1	583,046	85,472	497,574	6	13,217,193	10,489,570	2,727,623
29	Manufacture of motor vehicles, trailers and semi-trailers	-	-	-	-	4	1,765,276	1,310,319	454,957
30	Manufacture of other transport equipment	-	-	-	-	3	923,869	586,815	337,054
31	Manufacture of furniture	2	1,049,657	610,003	439,654	93	24,512,299	16,500,492	8,011,807
32	Other manufacturing	4	10,069,453	5,296,782	4,772,671	77	567,529,261	344,367,286	223,161,975
33	Repair and installation of machinery and equipment	1	105,316	35,533	69,783	4	2,048,165	883,452	1,164,713
	TOTAL MANUFACTURING	39	201,485,303	137,834,860	63,650,443	624	4,260,211,203	2,622,291,139	1,637,920,064
35	Electricity, gas, steam and air conditioning supply	19	594,999,092	493,808,386	101,190,706	4	161,901,821	109,036,188	52,865,633
36	Water collection, treatment and supply	11	28,742,429	14,362,360	14,380,069	3	4,865,399	3,192,904	1,672,495
	ELECTRICITY AND WATER SUPPLY	30	623,741,521	508,170,746	115,570,775	7	166,767,220	112,229,092	54,538,128
	TOTAL INDUSTRY	70	999,166,287	737,524,353	261,641,934	641	4,496,227,426	2,777,269,327	1,718,958,099

Table 42: Number of establishments in industry by size of establishment -2008

(Number)

ISIC Rev.4	Industrial activity	Employment size					Total
		10 -19	20 – 49	50 - 99	100 - 499	500+	
05	Mining of coal and lignite	-	-	-	-	1	1
06	Extraction of crude petroleum and natural gas	-	-	1	-	-	1
07	Mining of metal ores	-	-	-	-	1	1
08	Other mining and quarrying	2	2	1	3	1	9
	MINING AND QUARRYING	2	2	2	3	3	12
10	Manufacture of food products	88	41	31	29	14	203
11	Manufacture of beverages	3	13	5	8	4	33
12	Manufacture of tobacco products	-	-	-	0	4	4
13	Manufacture of textiles	18	1	5	5	9	38
14	Manufacture of wearing apparel	-	1	1	-	-	2
15	Manufacture of leather and related products	-	2	1	4	-	7
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	8	6	-	3	-	17
17	Manufacture of paper and paper products	-	-	-	3	1	4
18	Printing and reproduction of recorded media	14	21	7	12	-	54
20	Manufacture of chemicals and chemical products	8	4	5	12	1	30
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	2	-	1	3	1	7
22	Manufacture of rubber and plastics products	-	2	6	5	2	15
23	Manufacture of other non-metallic mineral products	10	7	4	4	1	26
24	Manufacture of basic metals	2	1	1	3	-	7
25	Manufacture of fabricated metal products, except machinery and equipment	13	9	3	6	-	31
27	Manufacture of electrical equipment	1	2	1	1	-	5
28	Manufacture of machinery and equipment n.e.c.	2	4	-	1	-	7
29	Manufacture of motor vehicles, trailers and semi-trailers	2	2	-	-	-	4
30	Manufacture of other transport equipment	2	-	1	-	-	3
31	Manufacture of furniture	63	26	4	3	-	96
32	Other manufacturing	19	20	17	22	4	82
33	Repair and installation of machinery and equipment	4	1	-	-	-	5
	TOTAL MANUFACTURING	259	163	93	124	41	680
35	Electricity, gas, steam and air conditioning supply	1	1	3	17	1	23
36	Water collection, treatment and supply	1	2	8	3	-	14
	ELECTRICITY AND WATER SUPPLY	2	3	11	20	1	37
	TOTAL INDUSTRY	263	168	106	147	45	729

Table 43: Number of employees by employment size -2008

(Number)

ISIC Rev.4	Industrial activity	Employment size					Total
		10 -19	20 - 49	50 - 99	100 - 499	500+	
05	Mining of coal and lignite	-	-	-	-	502	502
06	Extraction of crude petroleum and natural gas	-	-	71	-	-	71
07	Mining of metal ores	-	-	-	-	742	742
08	Other mining and quarrying	28	69	59	530	617	1,303
	MINING AND QUARRYING	28	69	130	530	1,861	2,618
10	Manufacture of food products	1,112	1,207	2,164	5,435	33,874	43,792
11	Manufacture of beverages	40	461	326	2,238	2,781	5,846
12	Manufacture of tobacco products	-	-	-	-	6,747	6,747
13	Manufacture of textiles	225	41	337	1,186	10,123	11,912
14	Manufacture of wearing apparel	-	20	51	-	-	71
15	Manufacture of leather and related products	-	91	52	1,304	-	1,447
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	95	169	-	515	-	779
17	Manufacture of paper and paper products	-	-	-	386	1,476	1,862
18	Printing and reproduction of recorded media	203	638	467	2,387	-	3,695
20	Manufacture of chemicals and chemical products	107	162	373	2,348	557	3,547
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	34	-	81	423	602	1,140
22	Manufacture of rubber and plastics products	-	60	421	1,118	2,526	4,125
23	Manufacture of other non-metallic mineral products	132	222	268	1,186	752	2,560
24	Manufacture of basic metals	30	30	59	699	-	818
25	Manufacture of fabricated metal products, except machinery and equipment	166	300	214	1,715	-	2,395
27	Manufacture of electrical equipment	15	87	80	185	-	367
28	Manufacture of machinery and equipment n.e.c.	27	117	-	220	-	364
29	Manufacture of motor vehicles, trailers and semi-trailers	30	70	-	-	-	100
30	Manufacture of other transport equipment	29	-	65	-	-	94
31	Manufacture of furniture	789	817	250	757	-	2,613
32	Other manufacturing	235	637	1,135	4,823	6,205	13,035
33	Repair and installation of machinery and equipment	55	24	-	-	-	79
	TOTAL MANUFACTURING	3,324	5,153	6,343	26,925	65,643	107,388
35	Electricity, gas, steam and air conditioning supply	10	21	204	3,555	2,585	6,375
36	Water collection, treatment and supply	16	77	573	575	-	1,241
	ELECTRICITY AND WATER SUPPLY	26	98	777	4,130	2,585	7,616
	TOTAL INDUSTRY	3,352	5,222	6,473	27,455	67,504	110,006

Table 44: Number of persons engaged by employment size -2008

(Number)

ISIC Rev.4	Industrial activity	Employment size					Total
		10 -19	20 - 49	50 - 99	100 - 499	500+	
05	Mining of coal and lignite	-	-	-	-	493	493
06	Extraction of crude petroleum and natural gas	-	-	71	-	-	71
07	Mining of metal ores	-	-	-	-	715	715
08	Other mining and quarrying	21	63	56	529	437	1,106
	MINING AND QUARRYING	21	63	127	529	1,645	2,385
10	Manufacture of food products	953	1,055	2,003	5,250	32,322	41,583
11	Manufacture of beverages	37	427	312	1,873	2,776	5,425
12	Manufacture of tobacco products	-	-	-	-	6,747	6,747
13	Manufacture of textiles	201	41	318	816	10,066	11,442
14	Manufacture of wearing apparel	-	18	44	-	-	62
15	Manufacture of leather and related products	-	77	51	1,298	-	1,426
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	82	155	-	512	-	749
17	Manufacture of paper and paper products	-	-	-	383	1,476	1,859
18	Printing and reproduction of recorded media	167	600	458	2,372	-	3,597
20	Manufacture of chemicals and chemical products	99	114	352	2,327	557	3,449
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	33	-	81	419	577	1,110
22	Manufacture of rubber and plastics products	-	50	403	1,010	2,526	3,989
23	Manufacture of other non-metallic mineral products	128	191	262	1,183	746	2,510
24	Manufacture of basic metals	27	20	44	697	-	788
25	Manufacture of fabricated metal products, except machinery and equipment	153	282	195	1,466	-	2,096
27	Manufacture of electrical equipment	14	85	80	183	-	362
28	Manufacture of machinery and equipment n.e.c.	23	109	-	219	-	351
29	Manufacture of motor vehicles, trailers and semi-trailers	28	66	-	-	-	94
30	Manufacture of other transport equipment	25	-	63	-	-	88
31	Manufacture of furniture	702	684	242	750	-	2,378
32	Other manufacturing	210	544	1,057	4,641	6,198	12,650
33	Repair and installation of machinery and equipment	55	23	-	-	-	78
	TOTAL MANUFACTURING	2,937	4,541	5,965	25,399	63,991	102,833
35	Electricity, gas, steam and air conditioning supply	7	16	193	3,170	1,968	5,354
36	Water collection, treatment and supply	14	58	551	573	-	1,196
	ELECTRICITY AND WATER SUPPLY	21	74	744	3,743	1,968	6,550
	TOTAL INDUSTRY	2,979	4,678	6,836	29,671	67,604	111,768

Table 45: Total labour costs in industry by employment size-2008

(000' Tshs.)

ISIC Rev.4	Industrial activity	Employment size					Total
		10 -19	20 – 49	50 – 99	100 - 499	500+	
05	Mining of coal and lignite	-	-	-	-	941,913	941,913
06	Extraction of crude petroleum and natural gas	-	-	4,530,690	-	-	4,530,690
07	Mining of metal ores	-	-	-	-	5,649,328	5,649,328
08	Other mining and quarrying	33,359	181,204	144,960	5,672,843	10,701,000	16,733,366
	MINING AND QUARRYING	33,359	181,204	4,675,650	5,672,843	17,292,241	27,855,297
10	Manufacture of food products	1,219,684	3,304,291	5,733,972	12,828,900	52,491,796	75,578,643
11	Manufacture of beverages	63,581	1,769,372	1,380,275	22,908,578	30,790,017	56,911,823
12	Manufacture of tobacco products	-	-	-	-	26,915,425	26,915,425
13	Manufacture of textiles	169,192	26,637	460,332	1,974,202	11,515,828	14,146,191
14	Manufacture of wearing apparel	-	26,400	55,390	-	-	81,790
15	Manufacture of leather and related products	-	466,126	65,090	1,485,848	-	2,017,064
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	88,436	171,469	-	717,914	-	977,819
17	Manufacture of paper and paper products	-	-	-	846,370	3,206,704	4,053,074
18	Printing and reproduction of recorded media	774,313	2,147,141	2,963,230	13,605,088	-	19,489,772
20	Manufacture of chemicals and chemical products	282,002	475,083	1,364,286	11,889,159	2,250,252	16,260,782
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	200,498	-	498,784	1,798,335	2,130,318	4,627,935
22	Manufacture of rubber and plastics products	-	647,369	1,637,933	3,345,584	5,882,509	11,513,395
23	Manufacture of other non-metallic mineral products	243,724	905,859	429,645	81,796,875	675,914	84,052,017
24	Manufacture of basic metals	32,714	77,816	670,021	2,834,976	-	3,615,527
25	Manufacture of fabricated metal products, except machinery and equipment	343,534	1,056,037	396,442	5,405,949	-	7,201,962
27	Manufacture of electrical equipment	69,906	356,142	970,542	1,675,254	-	3,071,844
28	Manufacture of machinery and equipment n.e.c.	47,677	573,603	-	981,552	-	1,602,832
29	Manufacture of motor vehicles, trailers and semi-trailers	21,227	183,369	-	-	-	204,596
30	Manufacture of other transport equipment	53,141	-	74,849	-	-	127,990
31	Manufacture of furniture	857,584	661,074	1,270,517	1,291,585	-	4,080,760
32	Other manufacturing	705,108	1,582,331	6,911,306	39,592,279	4,770,291	53,561,315
33	Repair and installation of machinery and equipment	317,391	446,860	-	-	-	764,251
	TOTAL MANUFACTURING	5,489,712	14,876,979	24,882,614	204,978,448	140,629,054	390,856,807
35	Electricity, gas, steam and air conditioning supply	365,124	262,823	1,860,402	32,261,649	31,998,788	66,748,786
36	Water collection, treatment and supply	9,700	200,317	1,816,088	4,141,541	-	6,167,646
	ELECTRICITY AND WATER SUPPLY	374,824	463,140	3,676,490	36,403,190	31,998,788	72,916,432
	TOTAL INDUSTRY	5,897,895	15,521,323	33,234,754	247,054,481	189,920,083	491,628,536

Table 46: Wages and salaries in industry by employment size -2008

(000'Tshs.)

ISIC Rev.4	Industrial activity	Employment size					Total
		10 -19	20 – 49	50 - 99	100 - 499	500+	
05	Mining of coal and lignite	-	-	-	-	822,373	822,373
06	Extraction of crude petroleum and natural gas	-	-	2,803,640	-	-	2,803,640
07	Mining of metal ores	-	-	-	-	4,483,257	4,483,257
08	Other mining and quarrying	24,444	178,033	109,941	4,780,135	9,704,000	14,796,553
	MINING AND QUARRYING	24,444	178,033	2,913,581	4,780,135	15,009,630	22,905,823
10	Manufacture of food products	743,686	1,942,451	3,682,941	8,938,831	37,380,827	52,688,736
11	Manufacture of beverages	57,551	1,154,731	895,746	14,191,692	19,974,984	36,274,704
12	Manufacture of tobacco products	-	-	-	-	17,375,349	17,375,349
13	Manufacture of textiles	100,724	25,115	339,050	1,769,870	7,950,689	10,185,448
14	Manufacture of wearing apparel	-	24,000	52,899	-	-	76,899
15	Manufacture of leather and related products	-	268,292	41,840	1,199,958	-	1,510,090
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	55,818	129,447	-	574,747	-	760,012
17	Manufacture of paper and paper products	-	-	-	580,994	2,800,760	3,381,754
18	Printing and reproduction of recorded media	514,739	1,311,487	2,076,926	10,516,379	-	14,419,531
20	Manufacture of chemicals and chemical products	231,475	186,245	835,271	8,559,760	1,470,100	11,282,851
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	158,234	-	386,611	1,285,805	1,345,240	3,175,890
22	Manufacture of rubber and plastics products	-	239,765	977,832	2,255,917	2,798,343	6,271,857
23	Manufacture of other non-metallic mineral products	170,757	748,488	241,784	73,751,726	612,627	75,525,382
24	Manufacture of basic metals	13,546	45,353	599,636	1,274,916	-	1,933,451
25	Manufacture of fabricated metal products, except machinery and equipment	180,157	721,099	325,579	2,933,102	-	4,159,937
27	Manufacture of electrical equipment	45,675	254,540	671,238	503,406	-	1,474,859
28	Manufacture of machinery and equipment n.e.c.	32,777	281,959	-	449,886	-	764,622
29	Manufacture of motor vehicles, trailers and semi-trailers	14,686	147,010	-	-	-	161,696
30	Manufacture of other transport equipment	50,569	-	25,760	-	-	76,329
31	Manufacture of furniture	515,115	450,474	616,413	759,283	-	2,341,285
32	Other manufacturing	504,294	930,525	3,598,636	22,782,312	3,305,823	31,121,590
33	Repair and installation of machinery and equipment	282,603	173,108	-	-	-	455,711
	TOTAL MANUFACTURING	3,672,406	9,034,089	15,368,162	152,328,584	95,014,742	275,417,983
35	Electricity, gas, steam and air conditioning supply	251,180	185,177	1,626,583	20,073,861	22,545,264	44,682,065
36	Water collection, treatment and supply	4,500	141,496	1,414,223	1,793,256	-	3,353,475
	ELECTRICITY AND WATER SUPPLY	255,680	326,673	3,040,806	21,867,117	22,545,264	48,035,540
	TOTAL INDUSTRY	3,952,530	9,538,795	21,322,549	178,975,836	132,569,636	346,359,346

Table 47: Gross output in industry by employment size -2008

(000' Tshs.)

ISIC Rev.4	Industrial activity	Employment size					Total
		10 -19	20 - 49	50 - 99	100 - 499	500+	
05	Mining of coal and lignite	-	-	-	-	6,487,417	6,487,417
06	Extraction of crude petroleum and natural gas	-	-	114,788,310	-	-	114,788,310
07	Mining of metal ores	-	-	-	-	17,613,657	17,613,657
08	Other mining and quarrying	122,363	10,564,279	1,017,391	184,527,359	22,856,000	219,087,392
	MINING AND QUARRYING	122,363	10,564,279	115,805,701	184,527,359	46,957,074	357,976,776
10	Manufacture of food products	14,365,812	84,540,155	97,178,867	460,265,218	453,351,013	1,109,701,065
11	Manufacture of beverages	884,863	24,014,229	16,344,375	346,800,986	454,347,239	842,391,692
12	Manufacture of tobacco products	-	-	-	-	262,119,770	262,119,770
13	Manufacture of textiles	346,722	722,759	80,412,431	31,916,416	75,492,152	188,890,480
14	Manufacture of wearing apparel	-	80,000	718,181	-	-	798,181
15	Manufacture of leather and related products	-	2,544,631	571,490	13,789,490	-	16,905,611
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1,125,922	4,437,930	-	6,513,620	-	12,077,472
17	Manufacture of paper and paper products	-	-	-	16,836,720	4,312,196	21,148,916
18	Printing and reproduction of recorded media	15,688,727	15,592,380	25,911,193	103,615,638	-	160,807,938
20	Manufacture of chemicals and chemical products	9,605,898	48,660,471	18,270,188	266,417,127	15,246,504	358,200,188
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	1,658,141	-	13,500,908	20,488,589	33,297,589	68,945,227
22	Manufacture of rubber and plastics products	-	12,670,701	31,587,643	47,601,659	336,113,718	427,973,721
23	Manufacture of other non-metallic mineral products	2,594,427	6,207,828	3,185,759	330,007,050	3,261,289	345,256,353
24	Manufacture of basic metals	349,085	3,721,423	8,907,322	25,687,979	-	38,665,809
25	Manufacture of fabricated metal products, except machinery and equipment	1,772,236	16,554,729	8,484,462	156,761,355	-	183,572,782
27	Manufacture of electrical equipment	77,989	11,293,584	24,062,439	15,205,884	-	50,639,896
28	Manufacture of machinery and equipment n.e.c.	869,316	4,253,269	-	8,677,654	-	13,800,239
29	Manufacture of motor vehicles, trailers and semi-trailers	646,833	1,118,443	-	-	-	1,765,276
30	Manufacture of other transport equipment	463,698	-	460,171	-	-	923,869
31	Manufacture of furniture	5,576,604	3,207,662	6,601,499	10,336,207	-	25,721,972
32	Other manufacturing	10,337,388	16,579,834	53,505,162	416,454,049	82,040,087	578,916,520
33	Repair and installation of machinery and equipment	1,319,204	834,277	-	-	-	2,153,481
	TOTAL MANUFACTURING	67,682,865	257,034,305	389,702,090	2,277,375,641	1,719,581,557	4,711,376,458
35	Electricity, gas, steam and air conditioning supply	117,478,014	3,295,067	25,065,852	300,178,387	310,883,593	756,900,913
36	Water collection, treatment and supply	398,800	787,235	11,458,097	20,963,696	-	33,607,828
	ELECTRICITY AND WATER SUPPLY	117,876,814	4,082,302	36,523,949	321,142,083	310,883,593	790,508,741
	TOTAL INDUSTRY	185,682,042	271,680,886	542,031,740	2,783,045,083	2,077,422,224	5,859,861,975

Table 48: Total production costs in industry by employment size -2008

(000' Tshs.)

ISIC Rev.4	Industrial activity	Employment size					Total
		10 -19	20 - 49	50 - 99	100 - 499	500+	
05	Mining of coal and lignite	-	-	-	-	1,793,152	1,793,152
06	Extraction of crude petroleum and natural gas	-	-	48,051,152	-	-	48,051,152
07	Mining of metal ores	-	-	-	-	6,133,313	6,133,313
08	Other mining and quarrying	87,897	2,372,308	611,426	86,329,527	11,593,000	100,994,158
	MINING AND QUARRYING	87,897	2,372,308	48,662,578	86,329,527	19,519,465	156,971,775
10	Manufacture of food products	6,671,377	31,787,267	39,755,847	218,822,925	182,207,286	479,244,702
11	Manufacture of beverages	412,769	10,265,779	8,860,199	134,738,628	151,214,233	305,491,608
12	Manufacture of tobacco products	-	-	-	-	98,944,581	98,944,581
13	Manufacture of textiles	206,680	224,585	36,367,267	5,909,393	37,766,049	80,473,974
14	Manufacture of wearing apparel	-	29,288	462,474	-	-	491,762
15	Manufacture of leather and related products	-	1,178,605	148,290	4,678,216	-	6,005,111
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	669,354	2,055,293	-	3,177,818	-	5,902,465
17	Manufacture of paper and paper products	-	-	-	5,996,255	2,538,205	8,534,460
18	Printing and reproduction of recorded media	4,804,582	5,866,218	13,108,754	47,303,865	-	71,083,419
20	Manufacture of chemicals and chemical products	3,869,125	20,000,675	7,557,791	125,107,366	2,812,622	159,347,579
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	902,503	-	4,035,907	9,028,174	11,301,528	25,268,112
22	Manufacture of rubber and plastics products	-	6,403,231	7,954,557	11,077,054	105,431,466	130,866,308
23	Manufacture of other non-metallic mineral products	1,170,131	2,944,110	1,128,045	117,181,987	1,356,601	123,780,874
24	Manufacture of basic metals	81,671	2,092,719	2,055,621	9,339,133	-	13,569,144
25	Manufacture of fabricated metal products, except machinery and equipment	943,825	4,544,878	2,398,936	27,385,589	-	35,273,228
27	Manufacture of electrical equipment	43,727	1,114,672	8,164,220	1,459,019	-	10,781,638
28	Manufacture of machinery and equipment n.e.c.	379,783	1,188,372	-	1,657,042	-	3,225,197
29	Manufacture of motor vehicles, trailers and semi-trailers	126,604	328,353	-	-	-	454,957
30	Manufacture of other transport equipment	128,106	-	208,948	-	-	337,054
31	Manufacture of furniture	2,665,540	1,397,828	1,528,285	2,941,611	-	8,533,264
32	Other manufacturing	3,395,528	6,507,383	25,085,482	162,296,751	31,254,160	228,539,304
33	Repair and installation of machinery and equipment	929,936	304,560	-	-	-	1,234,496
	TOTAL MANUFACTURING	27,401,241	98,233,816	158,820,623	888,100,826	624,826,731	1,797,383,237
35	Electricity, gas, steam and air conditioning supply	33,506,053	1,135,108	6,455,673	64,111,633	48,847,872	154,056,339
36	Water collection, treatment and supply	220,620	298,453	6,562,354	8,971,137	-	16,052,564
	ELECTRICITY AND WATER SUPPLY	33,726,673	1,433,561	13,018,027	73,082,770	48,847,872	170,108,903
	TOTAL INDUSTRY	61,215,811	102,039,685	220,501,228	1,047,513,123	693,194,068	2,124,463,915

Table 49: Value added in industry by employment size -2008

(000' Tshs.)

ISIC Rev.4	Industrial activity	Employment size					Total
		10 -19	20 - 49	50 - 99	100 - 499	500+	
05	Mining of coal and lignite	-	-	-	-	4,694,265	4,694,265
06	Extraction of crude petroleum and natural gas	-	-	66,737,158	-	-	66,737,158
07	Mining of metal ores	-	-	-	-	11,480,344	11,480,344
08	Other mining and quarrying	34,466	8,191,971	405,965	98,197,832	11,263,000	118,093,234
	MINING AND QUARRYING	34,466	8,191,971	67,143,123	98,197,832	27,437,609	201,005,001
10	Manufacture of food products	7,694,435	52,752,888	57,423,020	241,442,293	271,143,727	630,456,363
11	Manufacture of beverages	472,094	13,748,450	7,484,176	212,062,358	303,133,006	536,900,084
12	Manufacture of tobacco products	-	-	-	-	163,175,189	163,175,189
13	Manufacture of textiles	140,042	498,174	44,045,164	26,007,023	37,726,103	108,416,506
14	Manufacture of wearing apparel	-	50,712	255,707	-	-	306,419
15	Manufacture of leather and related products	-	1,366,026	423,200	9,111,274	-	10,900,500
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	456,568	2,382,637	-	3,335,802	-	6,175,007
17	Manufacture of paper and paper products	-	-	-	10,840,465	1,773,991	12,614,456
18	Printing and reproduction of recorded media	10,884,145	9,726,162	12,802,439	56,311,773	-	89,724,519
20	Manufacture of chemicals and chemical products	5,736,773	28,659,796	10,712,397	141,309,761	12,433,882	198,852,609
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	755,638	-	9,465,001	11,460,415	21,996,061	43,677,115
22	Manufacture of rubber and plastics products	-	6,267,470	23,633,086	36,524,605	230,682,252	297,107,413
23	Manufacture of other non-metallic mineral products	1,424,296	3,263,718	2,057,714	212,825,063	1,904,688	221,475,479
24	Manufacture of basic metals	267,414	1,628,704	6,851,701	16,348,846	-	25,096,665
25	Manufacture of fabricated metal products, except machinery and equipment	828,411	12,009,851	6,085,526	129,375,766	-	148,299,554
27	Manufacture of electrical equipment	34,262	10,178,912	15,898,219	13,746,865	-	39,858,258
28	Manufacture of machinery and equipment n.e.c.	489,533	3,064,897	-	7,020,612	-	10,575,042
29	Manufacture of motor vehicles, trailers and semi-trailers	520,229	790,090	-	-	-	1,310,319
30	Manufacture of other transport equipment	335,592	-	251,223	-	-	586,815
31	Manufacture of furniture	2,911,064	1,809,834	5,073,214	7,394,596	-	17,188,708
32	Other manufacturing	6,941,860	10,072,451	28,419,680	254,157,298	50,785,927	350,377,216
33	Repair and installation of machinery and equipment	389,268	529,717	-	-	-	918,985
	TOTAL MANUFACTURING	40,281,624	158,800,489	230,881,467	1,389,274,815	1,094,754,826	2,913,993,221
35	Electricity, gas, steam and air conditioning supply	83,971,961	2,159,959	18,610,179	236,066,754	262,035,721	602,844,574
36	Water collection, treatment and supply	178,180	488,782	4,895,743	11,992,559	-	17,555,264
	ELECTRICITY AND WATER SUPPLY	84,150,141	2,648,741	23,505,922	248,059,313	262,035,721	620,399,838
	TOTAL INDUSTRY	124,466,231	169,641,201	321,530,512	1,735,531,960	1,384,228,156	3,735,398,060

Table 50: Value of energy consumed by industrial activity and type -2008

Table 50: Value of energy consumed by industrial activity and type -2008					(000' Tshs.)		
ISIC REV.4	Industrial activity	Electricity	Water	Gas	Fuels for machines and vehicles	Wood, charcoal and peat	Other
0510	Mining of hard coal	4,534	-	-	35,971	1,500	-
0620	Extraction of natural gas	746,573	-	497,715	248,858	-	-
0729	Mining of other non-ferrous metal ores	351,058	-	37,568	488,793	1,870	5,461
0810	Quarrying of stone, sand and clay	1,101,830	-	-	1,008,560	-	-
0891	Mining of chemical and fertilizer minerals	10,000	5,000	-	5,000	-	-
0893	Extraction of salt	12,309	4,976	-	856,781	-	5,437
0899	Other mining and quarrying n.e.c.	3,733,796	-	8,345	-	-	-
	MINING AND QUARRYING	5,960,100	9,976	543,628	2,643,963	3,370	10,898
1010	Processing and preserving of meat	33,545	-	-	7,447	-	11,539
1020	Processing and preserving of fish, crustaceans and molluscs	4,151,459	112,091	1,098,596	3,779,876	3,289	140,149
1030	Processing and preserving of fruit and vegetables	7,998	75,043	-	30,278	-	123,344
1040	Manufacture of vegetable and animal oils and fats	787,978	37,946	1,231	1,090,322	9,201	1,725
1061	Manufacture of grain mill products	1,383,086	90,103	78,624	1,072,230	450	300
1071	Manufacture of bakery products	630,834	17,344	-	616,868	8,584	-
1072	Manufacture of sugar	1,858,600	1,130	3,280	3,316,238	-	-
1073	Manufacture of cocoa, chocolate and sugar confectionery	2,212,972	15,831	11,424	3,978,555	202	-
1079	Manufacture of other food products n.e.c.	4,649,114	486,452	104,990	5,549,870	1,180,523	3,426
1080	Manufacture of prepared animal feeds	8,437	787	3,008	7,560	-	-
1101	Distilling, rectifying and blending of spirits	1,381,527	20,829	2,762,897	1,044,217	31,888	649,280
1102	Manufacture of wines	90,502	-	893,643	24,854	-	-
1103	Manufacture of malt liquors and malt	2,093,000	715,000	-	4,292,000	-	-
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	2,265,592	1,243,978	112,342	6,037,656	955,752	317,391
1200	Manufacture of tobacco products	2,775,656	32,476	1,292,529	3,877,203	-	-
1311	Preparation and spinning of textile fibres	201,825	527	-	758,200	-	-
1312	Weaving of textiles	2,645,566	38,967	735,000	217,226	771,906	4,729
1313	Finishing of textiles	21,929	85	-	60	101	-
1392	Manufacture of made-up textile articles, except apparel	3,284,418	132,033	1,269,558	126,119	3,077,459	772,530
1393	Manufacture of carpets and rugs	419,167	34,936	-	85,674	103,972	-
1399	Manufacture of other textiles n.e.c.	314,616	1,698	112,236	368,452	-	38,146
1410	Manufacture of wearing apparel, except fur apparel	5,007	1,200	-	3,501	-	-
1511	Tanning and dressing of leather; dressing and dyeing of fur	28,328	-	-	6,256	-	-
1512	Manufacture of luggage, handbags and the like, saddlery and harness	231,852	10,423	3,200	40,573	-	-

Table 50: Value of energy consumed by industrial activity and type -2008 (continued)

(000' Tshs.)

ISIC REV.4	Industrial activity	Electricity	Water	Gas	Fuels for machines and vehicles	Wood, charcoal and peat	Other
1520	Manufacture of footwear	532,946	-	80,525	4,855	-	-
1610	Sawmilling and planing of wood	28,844	809,884	-	104,447	-	-
1622	Manufacture of builders' carpentry and joinery	41,278	4,495	1,272	246,875	-	233,719
1629	Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials	60,702	-	-	-	1,200	-
1701	Manufacture of pulp, paper and paperboard	456,658	1,072	-	539,849	247,224	423,497
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	263,329	400	504,290	144,086	-	-
1811	Printing	2,063,539	43,035	9,277	1,274,991	-	105,011
1812	Service activities related to printing	89,502	30,514	-	8,900	-	-
2013	Manufacture of plastics and synthetic rubber in primary forms	2,750,745	325,830	47,801	1,060,413	-	-
2022	Manufacture of paints, varnishes and similar coatings, printing ink and mastics	1,530,813	42,633	-	647,818	-	-
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	1,203,193	30,669	-	3,206,634	15	1,360
2029	Manufacture of other chemical products n.e.c.	5,901	1,373	-	12,065	-	-
2030	Manufacture of man-made fibres	701,106	15,280	-	164,194	-	187,469
2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products	909,833	41,825	3,860	278,609	-	-
2220	Manufacture of plastics products	7,520,591	709,939	1,933,616	1,126,738	-	-
2310	Manufacture of glass and glass products	6,100	-	-	-	2,700	-
2392	Manufacture of clay building materials	939,037	20,125	33,668	569,506	13,982	840
2394	Manufacture of cement, lime and plaster	19,958,678	502,173	5,257,648	3,892,262	14,463,985	107,128
2395	Manufacture of articles of concrete, cement and plaster	48,633	3,403	-	417,829	-	7,705
2410	Manufacture of basic iron and steel	3,614,511	20,697	120,152	622,647	4,492	363
2431	Casting of iron and steel	160,910	14,976	90,413	388,489	-	-
2511	Manufacture of structural metal products	3,100,155	9,416	5,235	12,719	-	145,920
2512	Manufacture of tanks, reservoirs and containers of metal	9,379	47	94,948	-	-	-
2599	Manufacture of other fabricated metal products n.e.c.	3,424,896	58,298	924,778	416,449	1,756	38,360
2720	Manufacture of batteries and accumulators	272,325	-	-	-	-	-
2732	Manufacture of other electronic and electric wires and cables	318,779	3,744	-	31,097	-	101,146
2740	Manufacture of electric lighting equipment	44,740	-	-	102,617	-	-
2790	Manufacture of other electrical equipment	2,605	197	355	418	-	-
2813	Manufacture of other pumps, compressors, taps and valves	19,263	3,022	25,467	-	-	-
2816	Manufacture of lifting and handling equipment	367,339	-	-	36,278	-	-
2821	Manufacture of agricultural and forestry machinery	4,686	-	-	8,288	-	-
2824	Manufacture of machinery for mining, quarrying and construction	9,267	21,764	-	171,004	-	-

Table 50: Value of energy consumed in industry by activity and type -2008 (continued)					(000' Tshs.)		
ISIC REV.4	Industrial activity	Electricity	Water	Gas	Fuels for machines and vehicles	Wood, charcoal and peat	Other
2920	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	14,859	6,280	5,283	21,538	-	
2930	Manufacture of parts and accessories for motor vehicles	14,261	6,112	-	3,559	-	-
3012	Building of pleasure and sporting boats	2,178	720	-	125,710	-	-
3091	Manufacture of motorcycles	129	102	-	-	-	-
3099	Manufacture of other transport equipment n.e.c.	526	226	23	-	-	-
3100	Manufacture of furniture	319,050	25,259	56,099	733,457	70	1,551
3211	Manufacture of jewellery and related articles	10,484	916	-	-	-	-
3250	Manufacture of medical and dental instruments and supplies	56,755	-	12,388	-	-	-
3290	Other manufacturing n.e.c.	11,779,880	2,910,748	2,508,789	16,415,390	780,000	1,319,327
3312	Repair of machinery	3,011	253	-	164	-	-
3314	Repair of electrical equipment	18,311	2,035	-	36,698	-	-
3315	Repair of transport equipment, except motor vehicles	1,000	80	-	-	-	-
3319	Repair of other equipment	5,024	1,103	-	26,860	-	-
	TOTAL MANUFACTURING	89,797,699	8,338,547	20,150,644	55,292,874	21,637,025	4,458,898
3510	Electric power generation, transmission and distribution	171,598,103	24,487	1,625,732	37,536,765	1,371	-
3600	Water collection, treatment and supply	2,130,609	553,915	-	761,277	-	11,467
	ELECTRICITY AND WATER SUPPLY	173,728,712	578,402	1,625,732	38,298,042	1,371	11,467
	TOTAL INDUSTRY	269,486,511	8,926,925	22,320,004	97,569,471	21,638,598	4,470,365

The questionnaire

PART I: ESTABLISHMENT DESCRIPTION

1.1 Full Name of the Establishment:.....

1.2 Mailing Address:.....

1.3 Physical location of the establishment

Region:.....

 Village:.....

District:.....

 Street:.....

Ward:.....

 Plot No:.....

1.4 Tel:..... 1.5 Mobile:..... 1.6 Fax No :..... 1.7 E-mail:

1.8 Name of contact person:.....

Designation:..... Tel./Mobile:.....

1.9 Economic organisation of the establishment:

Please write correct number in the box provided

--

1. Single establishment

2. Head office – owns or controls other establishments

3. This establishment is owned and controlled by another establishment

If the box is marked 3, please provide name and address of head office

Name:Address:.....

1.10 Activity of the Establishment:

(For official use only)

Principle Activity:.....

Other activity:.....

--	--	--	--

1.11 Main products manufactured:.....

.....
.....
.....

1.12 Origin of ownership (Circle the correct answer)

- 1 National
- 2 Foreign
- 3 Joint

If 3, please indicate % of National:

--	--

1.13 Form of ownership(Circle the correct answer)

- 1 Public
- 2 Private
- 3 Mixed

If 3, please indicate % of Public:

--	--

1.14 Type of legal organisation: (Circle the correct answer)

- | | | | |
|--------------------------|---|------------------------------|---|
| Sole proprietorship..... | 1 | Cooperative | 5 |
| Partnership..... | 2 | Private company | 6 |
| Public..... | 3 | Private limited company..... | 7 |
| Parastatal..... | 4 | Other, specify..... | 8 |

1.15 Source of finance(Total investments and operating capital):

(‘000) Shs

Personal and relatives

Loans from banks and other credit institutions

Government

Other, specify.....

1.16 Year the establishment started operation :

.....

1.17 Period to which data in this questionnaire refer to: From: To:

PART II: INDUSTRIAL PRODUCTION

2. EMPLOYMENT

2.1 Number of persons engaged

(Number)

Employment as at	code	Tanzanian	Foreign	
30' June – 2008	2.11			Males
	2.12			Females
31' December – 2008	2.13			Males
	2.14			Females

2.2 Average number of persons engaged including part time workers

Category	code	Tanzanian	Foreign	
Working proprietors and partners (<i>Active owners of the legal entity</i>)	2.21			Males
	2.22			Females
Unpaid workers (<i>Members of religious institutions, family members, prisoners, J.K.T militia and the like</i>)	2.23			Males
	2.24			Females
Employees:				
Managerial and professional staff (<i>Managerial, technical, clerical and other office workers etc</i>)	2.25			Males
	2.26			Females
Operatives –skilled (<i>Foremen, machine operators, fitters, casual and manual workers</i>)	2.27			Males
	2.28			Females
Operatives –non skilled (<i>Foremen, machine operators, fitters, casual and manual workers</i>)	2.29			Males
	2.30			Females
Other	2.31			Males
	2.32			Females
Total Persons Engaged (2.21+2.23+2.25+2.27+2.29+2.31) (2.22+2.24+2.26+2.28+2.30+2.32)	2.33			Males
	2.34			Females
Number of outworkers paid by subcontractors as at 31 December 2008	2.35			Males
	2.36			Females

3. LABOUR COSTS DURING THE REFERENCE PERIOD

(‘000) Tshs

3.01 Gross wages and salaries paid to employees (including bonus and gratuities)	
3.02 Overtime payments	
3.03 Reimbursement of travel expenses	

3.04 Payments in kind, e.g food, drinks, fuel	
3.05 Employer's contribution to social Security Schemes (e.g, NSSF)	
3.06 Training expenses	
3.07 Other labour costs (<i>please specify</i>)	

4. PURCHASES MADE DURING THE REFERENCE PERIOD (*please exclude VAT*)

4.1 Electricity, water and fuels consumed

Description	Unit	Quantity	Value (000' Shs)
4.11 Electricity	KWH		
4.12 Water	M ³		
4.13 Gas			
4.14 Fuel for machines and vehicles			
4.15 Wood, charcoal and peat			
4.16 Other fuels, please specify			
Total			

4.2. Goods purchased

4.21 *Cost of goods sold as purchased (000' Shs):*.....

4.22 *Materials and supplies purchased*

Value in (000' Shs)

CPC Code	Description	Unit	Imported		Local	
			Quantity	Value	Quantity	Value

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	Other including stationery and spare parts					
Total						

4.3 Services consumed

4.31 Industrial services

Description	Amount (000' Shs)
4.311 Contract and commission paid for work done on your materials (e.g., outworkers)	
4.312 Cost of repairs and maintenance work	
4.313 Waste treatment costs	
Total	

4.32 Non-industrial services

Description	Amount (000' Shs)
4.321 Postage and other communication costs	
4.322 Rental of building, machinery, plant and equipment	
4.323 Storage and hire of transport	
4.324 Publicity and bank charges	
4.325 Consultancy and other professional fees (legal, fiscal, accountancy, etc.)	
4.326 Other, please specify	
Total	

4.4 Other expenses

Description	Amount (000' Shs)
4.41 Interests and dividends paid excluding bank charges	
4.42 Insurance paid	
4.43 Income tax	
4.44 Net value-added tax paid	
4.45 Other taxes on production, e.g., rates, licences, road tax	
4.46 Other, please specify.....	
Total	

5. OUTPUT *(please exclude VAT and excise duties)*

5.1 Utilization of production capacity

CPC Code	Product Description	Unit	Installed Capacity	Actual Production	Capacity Utilization (%)

5.2 Sales from own production

Value in (000' Shs)

CPC Code	Description	Unit	Exported		Locally sold	
			Quantity	Value	Quantity	Value
	Other					
Total						

5.21 Major countries of export

Country	%

5.3 Industrial services

Description	Amount (000' Shs)
5.311 Receipts from contract work done for others on their materials	
5.312 Receipts from repair and installation work done for others	
5.313 Other, please specify.....	
Total	

5.32 Non-industrial services

Description	Amount (000' Shs)
5.321 Rents received	
5.322 Receipts from transport services rendered to others	
5.323 Value of assets sold	
5.324 Receipts from warehousing services	
5.325 Other, please specify.....	
Total	

5.33 Other receipts

Description	Amount (000' Shs)
5.331 Interests and dividends received	
5.332 Insurance premiums received	

5.333 Subsidies received	
5.334 Others, please specify	
Total	

6 VALUE OF THE INVENTORIES

Description	Value in '000' Shs	
	Opening balance	Closing balance
6.1 Materials and supplies (raw materials, chemicals, etc.)		
6.2 Fuels		
6.3 Work in progress (semi-finished products)		
6.4 Finished products		
6.5 Goods purchased for resale		
Total		

7 VALUE OF THE FIXED ASSETS

Type	Value at the beginning	Additions		Disposals	Depreciation during the period	Net Value at the end
		Purchased	Own production			
7.1 Land						
7.2 Buildings and other construction works						
7.3 Transport equipment						
7.4 Machinery and other equipment						
7.5 Database peripherals, software etc.						
7.6 Others						
Total						

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MAIN STATISTICS – FOR EDITING PURPOSES		
		Number
A. NO. OF EMPLOYEES (Total): (Total 2.2 – Total (2.21+2.22) – Total (2.23+2.24))		
Total 2.2 = Total(2.33+2.34)		Value in '000' Shs
B. GROSS OUTPUT (G.O)		
Value of goods produced (Total 5.2 + 5.333 + Total 7(Additions – own prod.))		
+ 6.3(Clos.-Open) + 6.4 (Clo.-Open))		
<i>Receipts from services rendered</i>		
<i>Industrial services (5.3)</i>		
<i>Non-industrial services (5.32 – 4.21 -5.323+ 6.5(Clos. – Open.))</i>		
C. INTERMEDIATE CONSUMPTION		
Electricity, water and fuels consumed (Total 4.1)		
R/ materials & supplies consumed Total 4.22 – 6.1(clo.- Open)-6.2 (Clo.-O)		
Services consumed		
<i>Industrial services (Total 4.31)</i>		
<i>Non-industrial services (Total 4.32)</i>		
D. VALUE ADDED (V.A)	(B – C)	
<i>Please check V.A/G.O (%)</i>	$D*100/B$	
E. COMPENSATION OF EMPLOYEES (C.E) (3 – 3.06 – .07)		
<i>Please check (a) C.E/V.A (%)</i>	$E*100/D$	
<i>(b) C.E per employee per month</i>	$E/(A*12)$	
F. OTHER TAXES ON PRODUCTION	4.45	
G. SUBSIDIES	5.333	
H. GROSS OPERATING SURPLUS	(D – E – F)	

PART III: OTHER INFORMATION

Membership

8.1 (Please tick as appropriate)

8.11 Is the establishment member of any association?

1 Yes

2 No

If No go to 8.112

8.1 If yes, please indicate whether (Multiple answers are allowed)

<i>Confederation of Tanzania Industries (CTI)</i>	<i>1</i>
<i>Tanzania Chamber of Commerce, Industry and Agriculture (TCCIA)</i>	<i>2</i>
<i>Association of Tanzania Employers (ATE)</i>	<i>3</i>
<i>Dar es Salaam Stock Exchange (DSE)</i>	<i>4</i>
<i>Chamber of Mines</i>	<i>5</i>
<i>Other, specify.....</i>	<i>6</i>

8.112 Awareness of services/Functions provided

	<i>CTI</i>	<i>ATE</i>	<i>TCCIA</i>	<i>DSE</i>	<i>Mines</i>
<i>Aware</i>					
<i>Not aware</i>					

8.2 Does the establishment have a license?

Yes 1 No 2

8.21 If yes,

<i>Date</i>	<i>License number</i>	<i>Allocating authority</i>	<i>Type of license</i>
<i>E.g</i> <i>02/08/2005</i>	<i>41527893</i>	<i>Ministry of Trade, Industry and Marketing</i>	<i>Business license</i>

8.2 If No, why?

<i>Finance</i>	<i>1</i>
<i>Complicated bureaucratic procedures</i>	<i>2</i>
<i>Too small business</i>	<i>3</i>
<i>Does not feel the need</i>	<i>4</i>
<i>Other, specify.....</i>	<i>5</i>

8.3 Tenure of building occupied for own business

<i>Wholly owned</i>	<i>1</i>
<i>Wholly rented</i>	<i>2</i>
<i>Partly rented</i>	<i>3</i>

8.4 Total area occupied for own business:

Floor M^2 Land M^2

8.5 Quality management:

8.51 Are your products certified?	Yes	No
Food safety regulations	1	2
ISO	1	2
Tanzania Bureau of Standards	1	2
8.52 Is quality of raw materials purchased also controlled?	Yes 1	No 2
8.53 Does establishment have a laboratory?	Yes 1	No 2

8.54 Total number of QC staff

8.6 Access to finance

8.61 Working capital (million Shs)

8.62 Source of finance (million Shs):

Government institutions

Loans from banks and other private credit institutions

Personal and relatives

Other domestic sources specify

Foreign sources

8.7 Export performance (For exporting establishments only)

8.71 Medium of exports

Directly	1	
Through parent enterprise	2	<input type="text"/>
Through another intermediary	3	
Other, specify	4	

8.72 Evaluate the importance of Regional Trade Agreements (e.g COMESA, EAC, SADC, etc)

Not important	1	
Helpful	2	<input type="text"/>
Important	3	
Very important	4	
Crucial	5	

8.73 *Evaluate the importance of International Trade Agreements (eg. W.T.O)*

- Not important 1
- Helpful 2
- Important 3
- Very important 4
- Crucial 5

8.74 *What do you consider the most important barriers to expanding your export activities?*

- Inadequate supply capacity 1
- Stringent Sanitary and Phytosanitary (SPS) Rules 2
- Low compliance to the market standards 3
- Inability to meet quality standards and delivery 4
- Inadequate capacity to exploit preferential trade agreements 5
- Limited promotion 6
- Inadequate trade negotiation skills and market access 7
- Other, specify..... 8

8.8 Source of water

(please tick as appropriate)

- Public network 1
- River 2
- Underground water 3
- Other, specify..... 4

(please encircle as appropriate)

8.9 *Environment management & technology*

8.91 *Is there any environmental management plan?* Yes 1 No 2

8.92 *Does establishment have treatment facilities for waste?* Yes 1 No 2

8.93 *If yes, method of treatment*

Type of waste	Method of treatment*
Water	
Gas	
Solid	

eg. Recycling, incineration, landfill,compostin or Municipal facilities etc

8.94 *Current technology status*

Type of machinery	%	Source*	Average age	Expected average lifespan of equipments
Manual				
Semi-automatic				
Computerized				

* Please indicate whether local, imported or both

8.95 Does the establishment have any investment plans? Yes 1 No 2
 If yes, please indicate whether for:
 Replacement of old equipment 1
 Expanding production capacity 2
 Upgrading technology 3

8.96 Does the establishment invest in other business? Yes 1 No 2

8.97 Does the establishment have:
 Email facilities? Yes 1 No 2
 Website? Yes 1 No 2
 Local Area Network (LAN)? Yes 1 No 2
 Wide Area Network (WAN)? Yes 1 No 2

9.0 HIV/AIDS

9.1 Does your establishment have HIV/AIDS work place packages?

Yes 1 No 2

What are the methods that you think will reduce industrial sector vulnerability to
 9.2 HIV/AIDS?

HIV/AIDS workplace education and prevention 1
 Treatment 2
 Counselling 3
 Movement towards capital intensive operations 4
 Other, please specify 5

10 Major challenges facing your establishment

(Multiple answers are allowed)

High cost of production	1	Insufficient demand and marketing
Inadequate technology or lack of equipment	2	Unfair competition
Inadquate physical infrastructure (roads, water, etc.)	3	Infant Private Sector with weak support
Complicated administrative procedures	4	Environmental challenges
Shortage of qualified labour	5	HIV/AIDS pandemic
Foreign currency fluctuations	6	Uncertain economic environment
Insufficient production capacity	7	Other, please specify
Shortage of raw materials	8	
Taxes	9	

DECLARATION AND SIGNATURE

I HEREBY DECLARE that, the information contained in this return is complete and correct to the best of my knowledge.

Date.....

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Name of the person to be contacted Mobile
number

Designation..... Official
Stamp

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Name of Enumerator:..... No. of visits made.....

Name of Supervisor:..... Date completed.....