



## INTEGRATED BUSINESS ESTABLISHMENT SURVEY

# REGIONAL SPATIAL BUSINESS REPORT



Ministry of Trade &  
Industry (MoTI)



Government of the  
Netherlands

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**Prepared by:** Anthony Krakah and David Maxwell Bessah

**Contributors:** Alex Anyetei; Abraham Bosu; Andani Iddrisu; Anthony Oduro-Denkyirah; Augusta Okantey; Bernice Ofosu-Baadu; Christopher Amewu; Dominic Odoom; Ebenezer Ocran; Emmanuel Goerge Ossei; Emmanuel Nana Poku; Eric Kwame Mante Bediako; Felix Kofi Debrah; Francis Bright Mensah; Francisca Araba-Duah; Francisca Thompson; Gershon Togoh; Isaac Dadson; Johnson Owusu Kagya; Joseph Ahiabor; Joyce Date; Kyeremeh Yeboah; Maxwell Hlorgbey; Peter Peprah; Samuel Mortey; Tsatsu Alfred; Victoria Anim-Ansah; John Foster Agyaho; Patrick Adzovor; Yaw Misefa; Jacqueline Anum; Abena Osei-Akoto; Rosalind Quartey; Kwamena Leo Arkafra; Justina Yeboah; Vivian Asantey and Felix Adjei.

**Edited by:** Anthony Amuzu and Baah Wadieh

**Chief Editor:** Dr. Philomena Nyarko


## **PREFACE AND ACKNOWLEDGEMENT**

The Integrated Business Establishment Survey (IBES) is an economic census that cuts across all the three major sectors of the Ghanaian economy. The 2014 IBES is the first non-household economic census covering all sectors, unlike the previous establishment censuses conducted in 1962, 1978, 1987 and 2003 which focused only on the industrial sector. It is structured in two Phases, I and II. Phase I involved the listing of all non-household establishments in Ghana with the primary aim of producing a business register and developing a sampling frame from which establishments will be sampled for the second Phase. In addition to providing information for the publication of the business register, Phase I collected relevant data that enabled the production of the Employment Report, Job Creation Report, and the Summary Report.

The Regional Spatial Business Report is one of the publications released from IBES Phase I. This report gives a comprehensive analysis of business establishments in each district within the ten regions. The spatial analysis focuses more on the distribution of establishments and the number of persons engaged by these establishments. However, detailed tables are provided on each district regarding the formal and informal economy of the district, size classification of establishments, year of commencement of establishment, ownership of establishment and employment-related issues in non-household establishments in the districts. These tables, together with the spatial analysis conducted, provide enough basis for effective and efficient evidence-based policy planning and implementation at the district level.

The Ghana Statistical Service (GSS) expresses great appreciation to the Government of Ghana, the Dutch Government, UK-DFID and the World Bank for providing the financial assistance for this economic census. We also wish to thank the Ministry of Trade and Industry for providing both technical and financial support in its capacity as a major stakeholder. We appreciate the technical assistance of the following organizations during the execution of the project: the National Board for Small Scale Industries; United Nations Development Programme (UNDP); United Nations Industrial Development Organization (UNIDO); Ministry of Roads and Transport; Ghana Employers Association (GEA); Association of Ghana Industries (AGI); Ghana National Chamber of Commerce and Industry; National Insurance Commission (NIC); Private Enterprise Federation (PEF); Minerals Commission; Ghana Tourist Board (GTB); National Communications Authority (NCA); Ministry of Employment and Labour Relations (MELR); and the Institute of Statistical, Social and Economic Research (ISSER).

We would also like to express our sincere gratitude to all the establishments which provided the required data and made it possible for us to complete the first phase of the 2014 economic census. Finally, the GSS acknowledges the office and field staff who worked tirelessly to ensure that the Phase I of IBES was successful.



**DR. PHILOMENA NYARKO**  
**GOVERNMENT STATISTICIAN**  
**AND NATIONAL PROJECT DIRECTOR**

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## **LIST OF ABBREVIATIONS**

<b>DFID</b>	Department for International Development, UK
<b>GSDP</b>	Ghana Statistical Development Programme
<b>IBES</b>	Integrated Business Establishment Survey
<b>LMSM</b>	Large, Medium, Small and Micro
<b>MDAs</b>	Ministries, Departments and Agencies
<b>MMDAs</b>	Metropolitan, Municipal and District Assemblies
<b>MDG</b>	Millennium Development Goal
<b>MSMEs</b>	Medium, Small and Micro Enterprises
<b>NGO</b>	Non-Governmental Organization
<b>PEF</b>	Private Enterprise Federation
<b>PPP</b>	Public-Private Partnership
<b>RS</b>	Regional Statisticians
<b>RGD</b>	Registrar General's Department
<b>SSNIT</b>	Social Security and National Insurance Trust
<b>SoE</b>	State Owned Enterprises

# **CHAPTER ONE**

## **BACKGROUND**

### **1.1 Introduction**

Emerging issues across all spheres of development have in recent years highlighted the need for an up-to-date report on all businesses spanning all sectors of the Ghanaian economy. A National Industrial Census was conducted in Ghana in 2003, but a decade later it became necessary to execute another industrial census, the Integrated Business Establishment Survey (IBES), in line with global recommendations.

The conduct of economic censuses is one of the important activities the Ghana Statistical Service is statutorily mandated to undertake. The IBES is structured in two phases. Phase I involves the listing of all non-household establishments/businesses in Ghana while Phase II focuses on in-depth analysis of data gathered on the operations of a nationally representative sample of the listed establishments.

This Regional Spatial Business Report is the fifth publication released from IBES I. It summarises the findings of the census of non-household businesses in all the districts in Ghana which were in operation 2014. In addition to presenting a spatial analysis of establishments and persons engaged at the district level in each of the ten regions of Ghana, the report also provides very detailed data on the formal and informal economy of the district, size classification of establishment, year of commencement of establishment, ownership of establishment and employment-related issues affecting non-household establishments. The report thus provides a comprehensive analysis of business establishments in the districts within the ten regions in the country.

The analysis of thematic areas in this report is the result of a growing demand for a comprehensive outline of the structure of the economy from stakeholders, particularly public sector policy makers, researchers, academia and investors (both local and foreign) in the private sector. The tables in this report, together with spatial analysis (maps) presented, provide enough basis for effective evidence-based policy formulation and decision-making at the district level.

### **1.2 Economic censuses in Ghana**

The Central Bureau of Statistics (CBS), now the Ghana Statistical Service (GSS), conducted the first industrial census (a sub-component of an economic census - focusing solely on the industrial sector) in Ghana in 1962. Specifically, the 1962 industrial census was an enumeration of all mining and quarrying, manufacturing, construction, electricity and distributive trade establishments. After the 1962 industrial census, annual and quarterly surveys of establishments engaging thirty or more persons were introduced in 1964. The GSS intended to conduct decennial industrial censuses, but due to a number of reasons, including lack of funds and human resource capacity, industrial censuses could not be conducted decennially as envisaged.

The second industrial census was conducted in 1987. The activities relating to this census was in two phases: the first phase took place in November-December 1987 while the second phase was conducted in October-December 1988, with 1987 as the reference year. The first phase of the 1987 census aimed at obtaining basic data on establishments engaged in mining



and quarrying, manufacturing, production and distribution of electricity and water. The second phase of the census covered all in-scope establishments engaging ten or more persons.

The third industrial census, which was conducted in 2003, was also in two phases: the first spanned the period October–November 2003 and the second, November 2004–March 2005, with 2003 as the reference year. The conduct of the IBES is the first time Ghana has conducted an economic census on the full set of economic units across all sectors of the country's economy.

### **1.3 Objectives of the 2014 economic census**

The overall objective of the IBES is to provide reliable, timely and relevant economic statistics to support the formulation and implementation of policies and strategies that can stimulate the growth of all sectors of the economy. The project also aims to improve the production and dissemination of statistics on production and employment for all sectors of the economy to meet the data requirements for monitoring the National Development Plan and the Sustainable Development Goals (SDGs).

#### **Phase I objectives**

The objectives of IBES Phase I were to:

- Provide background information to validate and update the records of the compiled list of establishments/businesses in Ghana.
- Cover businesses that can be considered establishments across all sectors of the economy.
- Ensure that basic details of all businesses within the borders of Ghana are included in the register.
- Ensure that businesses engaged in the informal sector, which hitherto were not covered in most databases of institutions, are covered so that businesses that are mostly informal are well covered.
- Provide a sampling frame necessary for the conduct of frequent economic surveys and for the conduct of the second phase of the IBES.
- Provide a register of businesses in Ghana that will meet the needs of policy makers, private sector users and researchers.
- Provide a business register for Ghana that is comparable to any business register worldwide.
- Obtain benchmark data on the structure of businesses in Ghana.

### **1.4 Scope and coverage**

#### **1.4.1 Scope**

The first phase of the IBES, which covered all non-household establishments, was a census. These establishments are either engaged in economic activities or are non-profit institutions and cut across all sectors of the economy. Each unit of production was captured as a distinct entity, given that it is a legal unit.

A legal unit is a unit that has legal personality, i.e. the law attributes rights and obligations to it, in the sense that it has:

- right of ownership, permitting it to hold assets in its own name;
- right to engage in activities in its own name on its own behalf;

- right to conclude contracts with third parties;
- right to institute legal proceedings (i.e., to defend its interests); and the
- right to dispose of its assets and resources.

***The non-household IBES establishments include:***

- All units of production whose physical locations are fixed and can be described and traced;
- All stores/containers not used primarily as residences for households;
- All fitting shops, fabrication shops, carpentry shops, block making factories, etc., whether housed in a complete structure or not;
- All churches/temples/mosques located in a permanent structure;
- All public sector institutions;
- All institutions (housed in a structure) engaged in agriculture related activities, usually called institutional agriculture;
- All shops/stores/units of production which are visible outside the residential premise/attached to the residential premise, but that have access for entry or exit by customers/public;
- All businesses with signposts/boards/indications of business activities;
- All shops in a complete structure (popularly called a store) in the market place;
- All stalls in the market place with occupants operating permanently (i.e. 5 to 6 days a week) in these stalls. These stalls could either be hired/rented or purchased (those usually owned by the Metropolitan, Municipal and District Assemblies (MMDAs) are rented);
- Educational institutions (both public and private);
- Health facilities, e.g. hospitals/clinics/maternity homes, etc., in a fixed location.

***But they exclude:***

- All mobile businesses, e.g. hawkers;
- Traders in open spaces;
- Traders in homes where shops are NOT visible;
- All trading units, which are mainly retail shops selling on small tables under sheds, e.g. market sheds, stalls without permanent (i.e. 5 to 6 days a week) occupants;
- Shrines;
- Brothels;
- Churches in school buildings/churches without a permanent structure.

**1.4.2 Coverage**

All non-household establishments were included, irrespective of the size or sector of the business.

**1.5 Regional profiles**

The Western Region has a population of 2,755,096 living on an area of 23,921 square kilometres, which is about 10 per cent of Ghana's total land surface. It is located in the south-western part of Ghana, bordered by La Côte d'Ivoire on the west, Central Region on the east, Ashanti and Brong-Ahafo Regions on the north and on the south by 192 kilometres of coastline of the Atlantic Ocean (Ghana Statistical Service, 2010).

The region has about 75 per cent of its vegetation within the high forest zone of Ghana. The south-western areas of the region are noted for their rain forests, interspersed with patches of mangrove forest along the coast and coastal wetlands, while a large expanse of high tropical forest and semi-deciduous forest is also found in the northern part of the region. The region has 24 forest reserves, which account for about 40 per cent of the forest reserves in the country. Prominent among them are the Bia Reserve, Cape Three Points National Park, and the Ankasa/Nini Suhvien Forest and Game Reserve. The Western Region lies in the equatorial climatic zone that is characterised by moderate temperatures, ranging from 22°C at nightfall to 34°C during the day (Ghana Statistical Service, 2010).

The Central Region which has a population of 2,354,826 people occupies a land area of 9,826 square kilometres or 4.1 per cent of Ghana's land area, making it the third smallest in area after the Greater Accra and Upper East Regions. It shares boundaries with Western Region on the west, Ashanti Region on the north, and Greater Accra Region on the East. On the south is a 168-kilometer stretch of the Atlantic Ocean (Gulf of Guinea) coastline (Ghana Statistical Service, 2010).

The Greater Accra Region is the capital city of Ghana with a population of 4,402,688 and is located in the south-central part of the country. It shares common borders with the Central Region on the west, Volta Region on the east, Eastern Region on the north and the Gulf of Guinea on the south. It is the smallest of the 10 administrative regions, occupying a land area of 3,245 square kilometres or 1.4 per cent of the total land area of Ghana. It has a coastline of approximately 225 kilometres, stretching from Kokrobite in the west to Ada in the east (Ghana Statistical Service, 2010).

The Volta Region has a length of about 500 kilometres, stretching from the south to the north, and holds a total of 2,322,912 people. It encompasses most of the vegetation zones found in the country, that is, the coastal grassland and mangrove swamps, replete with sandy beaches, the guinea savannah through moist semi-deciduous forests in the central highland areas to the undulating sahel-savannah and the mountainous wooded savannah in the north. As in all other parts of the country, the Volta Region has a tropical climate, characterised by moderate temperatures, 21-32° Celsius (70 - 90°F) for most of the year.

The Eastern Region has a population of 2,890,146 people occupying a land area of 19,323 kilometres and constitutes 8.1 per cent of the total land area of Ghana. It is the sixth largest region in terms of land area. It lies between latitudes 6° and 7° North and between longitudes 1°30' West and 0°30' East. The region shares common boundaries with the Greater Accra, Central, Ashanti, Brong Ahafo and Volta Regions. The region has four main geographical features, namely: The Kwahu Scarp with an elevation of 2,586 feet above sea level; the Atiwa-Atwaredu Ranges near Kibi, reaching an elevation of 2,400 feet; the Akuapem Highland attaining an elevation of 1,530 feet which is the southern extension of the Togo-Atakora mountain ranges; and the isolated hills/mountains dotting the relatively low-lying plains to the south, notably the Krobo and the Yogaga mountains (Ghana Statistical Service, 2010).

The Ashanti Region which is centrally located in the middle belt of Ghana has a population of 4,780,380 people. It lies between longitudes 0.15°W and 2.25°W, and latitudes 5.50°N and 7.46°N. The region shares boundaries with four of the ten administrative regions; Brong-Ahafo in the north, Eastern Region in the east, Central Region in the south and Western Region in the south-west. The region occupies a total land area of 24,389 square kilometres

representing 10.2 per cent of the total land area of Ghana. It is the third largest region after Northern (70,384 sq. kms) and Brong Ahafo (39,557 sq. kms) regions (Ghana Statistical Service, 2010).

Brong Ahafo, with a territorial size of 39,557 square kilometres, is the second largest region in the country (16.6%). The region which has a population of 2,539,001 people, shares boundaries with the Northern Region to the north, the Volta and Eastern Regions to the south-east, Ashanti and Western Regions to the south, and La Côte d'Ivoire to the west. The central point of the landmass of Ghana is in the region, at Kintampo. The region has a tropical climate, with high temperatures averaging 23.9°C (750F) and a double maxima rainfall pattern. Rainfall ranges, from an average of 1000 millimetres in the northern parts to 1400 millimetres in the southern parts (Ghana Statistical Service, 2010).

The Northern Region, which occupies an area of about 70,383 square kilometres, is the largest region in Ghana in terms of land area, and has a total population of 2,728,081 people. It shares boundaries with the Upper East and Upper West Regions to the north, the Brong Ahafo and Volta Regions to the south, and two neighbouring countries, the Republic of Togo to the east, and La Côte d'Ivoire to the west. The land is mostly low lying except in the north-eastern corner with the Gambaga escarpment and along the western corridor. The region is drained by the Black and White Volta and their tributaries, Rivers Nasia, Daka, among others (Ghana Statistical Service, 2010).

The Upper East Region is located in the north-eastern corner of the country between longitude 00° and 10° West and latitudes 10° 30'N and 11°N. The region with a total population of 1,134,453 people is bordered to the north by the Republic of Burkina Faso, the east by the Republic of Togo, the west by Sissala District in Upper West and the south by West Mamprusi District in the Northern Region (Figure 1). The land is relatively flat with a few hills to the east and southeast. The total land area is about 8,842 sq km, which translates into 2.7 per cent of the total land area of the country (Ghana Statistical Service, 2010).

The Upper West Region which has the lowest population of 756,303 covers a geographical area of approximately 18,478 square kilometres. This constitutes about 12.7 per cent of the total land area of Ghana. The region is bordered on the North by the Republic of Burkina Faso, on the East by Upper East Region, on the South by Northern Region and on the West by La Côte d'Ivoire. The region is located in the guinea savannah vegetation belt (Ghana Statistical Service, 2010).

## **1.6 Reference year**

The reference year for the Phase I of the Integrated Business Establishment Survey was the calendar year 2014.

## **1.7 Legislation confidentiality**

The 2014 economic census was conducted under the Statistical Service Law 1985 (PNDC Law 135). This law empowers the Government Statistician to conduct economic censuses and allows entry into premises of businesses to ask questions. Also, all enumerators took an oath of secrecy in order to ensure confidentiality.

## **1.8 Funding**

The funding for IBES Phase I (preparatory activities, training, fieldwork, data processing, report writing and publication of reports) was drawn entirely from the Ghana Statistical Development Project (GSDP) funds provided to the Government of Ghana in the form of a loan by the International Development Association (IDA) and a grant by the UK Department for International Development (UK-DFID) and the Dutch Government. The funds are managed by the World Bank.

## **1.9 Institutional arrangements**

The following national committees were put in place to facilitate the smooth implementation of IBES I and II spanning the period 2014-2017: the National Steering Committee (NSC), the Technical Advisory Committee (TAC) and the Project Implementation Team (PIT). In addition, a Project Secretariat based in GSS was set up and was responsible for the technical direction, execution of the census and provision of logistical support to the three national committees.

The NSC is chaired by the Minister of Trade and Industry and comprises ten members. Other members of the committee include the Government Statistician and other representatives from the GSS, the Minister for Finance, the Minister for Food and Agriculture, representatives of the National Board for Small Scale Industries, the Association of Ghana Industries, the Ministry of Finance, Institute of Statistical, Social and Economic Research and the National Development Planning Commission, as well as representatives of Development Partners.

The chairperson of the TAC is the Government Statistician. Other members are from the Ministry of Trade and Industry, the Ministry of Water Resources, Works and Housing, the Ministry of Roads and Transport, the Ministry of Food and Agriculture, Ghana Employers Association, Ghana National Chamber of Commerce and Industry, the Association of Ghana Industries (AGI), the National Insurance Commission (NIC), the Private Enterprise Federation (PEF), the Minerals Commission, Ghana Tourist Board (GTB), representatives of Development Partner organizations and the National Communications Authority (NCA).

The Project Implementation Team (PIT) was made up of twenty-four members and was led by the Project Coordinator. The PIT managed the planning and implementation of the survey.

## **CHAPTER TWO**

### **METHODOLOGY**

#### **2.1 Phase I methodology**

##### **2.1.1 Planning and preparation**

Given that this was the first time an economic census of this magnitude was being conducted in Ghana, the preparatory and planning activities started with a conceptualization of the process and advocacy among the stakeholders to solicit ideas and to build support for the project. The conceptualization of the IBES started in 2011, while preparatory activities for the implementation of the IBES Phase I started in 2013. At the conceptualization stage, an interim register of establishments was compiled from existing registers of relevant Ministries, Departments and Agencies (MDAs), as well as business associations. The interim register was reviewed and its limitations highlighted the need to build a new register from a census.

The preparatory activities started with the setting up of three major committees to oversee the implementation of the project. These committees are the National Steering Committee (NSC), the Technical Advisory Committee (TAC) and the Project Implementation Team. Survey instruments were drafted and a review workshop organized to finalize the instruments to pave the way for the Training of Trainers' workshop.

In addition, two stakeholder workshops were organized in Accra and Kumasi in August, 2014 to sensitize stakeholders and the business community on the data collection requirements. This was necessary so that respondents would give enumerators the required cooperation during fieldwork. This cooperation was critical to the success of the IBES.

##### **2.1.2 Principal census documents**

###### *Census questionnaire*

The preparation for the questionnaire design began in 2011. It was based on the 2003 Industrial Census questionnaire, with some modifications to cater for establishments in sectors other than Industry. The data items covered in the final questionnaire were as follows:

- Name of the establishment;
- Physical location;
- Contact information (postal address, email address, website address, phone number);
- Form of organization;
- Type of legal organization;
- Type of ownership;
- Sex of ownership;
- Subsector of establishment;
- Principal activity;
- Number of persons engaged;
- Level of skill of persons engaged;
- Employment creation;
- Type of accounting records kept;
- Year of commencement of establishment.

### ***Enumerator's manual***

An instruction manual for field personnel was prepared alongside the questionnaire. The manual provides instructions on the questionnaire and aims to ensure an unchanging application of concepts and procedures throughout the census.

### ***Tabulation plan***

Table summaries of data needs were prepared alongside the questionnaire design. Computer outputs were generated, as indicated by the plan.

#### **2.1.3 Review of project documents**

The Project Implementation Team (PIT) reviewed the project documents, including the questionnaire, the interviewer's manual and the publicity materials, to ensure that all the data needs were captured, based on the objectives of the survey.

#### **2.1.4 Pre-test training of trainers**

The questionnaire and other documents were pretested in the Central and Greater Accra regions in July 2014. Based on the results of the pre-test, amendments were made to the census questionnaire. In addition, the completed questionnaires were edited, coded and sent to the data processing section of the Ghana Statistical Service (GSS) to test the data processing application and procedure.

The Training of Trainers' workshop was combined with the pre-test of the IBES questionnaire and the review of the pre-test results. A core group of trainers consisting of officers from the ten regional offices of GSS and PIT members were trained at Winneba in July 2014. The trainers were used to undertake the pre-test exercise during the fourth, fifth and sixth days of the training. This served as field practice for the trainers. At the end of the pre-test/field practice, the trainers assisted with the review of the pre-test results on the seventh day and ensured the inclusion of the recommendations from the discussions in the IBES questionnaire.

#### **2.1.5 Preparation for fieldwork**

##### ***Recruitment***

Advertisements were placed in both the print and electronic media for interested applicants to apply to be recruited for the fieldwork. An application form was also posted on the GSS website for interested applicants to download and complete. Interviews were conducted in each of the 10 regions and about 8,000 field personnel were recruited for the fieldwork.

##### ***Training***

For the purpose of training, the country was divided into two zones: Northern and Southern. The Northern zone consisted of six regions, i.e. Eastern, Ashanti, Brong Ahafo, Northern, Upper East and Upper West, while the Southern zone consisted of four regions, i.e. Greater Accra, Central, Western and Volta. Field personnel were trained on the survey instruments and briefed on the purpose and background of the IBES to aid effective data collection. These survey instruments included the questionnaire, interviewer's manual and training guide. A 4-day non-residential training workshop was conducted in the Northern and Southern zones at different times.

Training was done at the regional level in each zone. Training in the Northern zone took place from 25th to 29th August 2014, while training in the Southern zone was from 1st to 5th September 2014. Lectures were supplemented with practical sessions, demonstrations and participants' involvement in mock interviews. Trainees who passed the written exams and who also performed satisfactorily during observations were selected to take part in the field data collection. PIT members and other GSS staff carried out the training of enumerators and supervisors.

### ***Mapping and zoning***

The country was divided into approximately 6,000 zones. In the non-central business districts, the IBES zones were made up of a combination of supervisory areas (SAs). In the central business districts of metropolitan areas, enumeration areas (EA) were used to create the IBES zones. This was done bearing in mind that SAs are unique within districts; therefore, implicitly the IBES zones were unique within districts. Each IBES zone was assigned to one enumerator. However, in the central business districts of Metropolitan Assemblies where zones were identified as being too large, more than one enumerator was assigned to cover such areas. Enumerators were responsible for ensuring that all establishments within their assigned zones were successfully enumerated. Detailed zone maps were given to supervisors and enumerators to enable them to easily identify their areas of operation and ensure complete coverage. It also prevented establishments from being enumerated more than once.

### ***Publicity***

In order to inform general public and owners of establishments about the IBES, a publicity programme was drawn up. This included the launch of the 2014 IBES in August 2014. A 90-second video produced in five Ghanaian languages was shown on selected television stations in the country and a 60-second audio clip, also produced in the five Ghanaian languages, was played on radio stations. In addition, information vans from the Information Services Department were used in the central business districts to publicise the census prior to the commencement of fieldwork. In addition to the use of radio and TV, T-shirts with the IBES logo and inscriptions were provided to field personnel. These served a two-fold purpose: first to publicise the IBES and second as a form of identification for the field staff.

## **2.1.6 Field operations**

### ***Field data collection***

The fieldwork for the IBES started on 1<sup>st</sup> September 2014 in the Northern zone and 8<sup>th</sup> September 2014 in the Southern zone. About 8,000 enumerators were deployed to collect information from all the establishments in the country. Establishments with fixed locations were covered at the place of their operation. Field supervisors and zonal coordinators supervised the work of the enumerators. The reference period for data collection was 31<sup>st</sup> August 2014.

As part of the effort to achieve the desired objectives of the IBES, a nationwide monitoring of the data collection was carried out in the field. The objective of the monitoring was to gather first-hand information on the fieldwork, which include challenges of non-response, logistics, etc. The monitoring was also intended to enable the PIT to visit some of the districts to ascertain the quality of the data being collected and also to find out whether the field personnel were completing the questionnaires correctly. Regional Statisticians (RSs)



accompanied field monitors during such visits. The field monitors also used the opportunity of the visits to interact with the field teams and the RSs to correct any misunderstanding they had regarding the usage of any of the survey instruments. Problems that were peculiar to a region were addressed during the monitoring visits and where necessary, the information was passed on to the other regions.

### ***Field editing***

Editing is an essential feature of fieldwork. Supervisors edited the completed questionnaires; where errors were detected, they were corrected. Supervisors also checked the completed questionnaires for completeness, consistency and accuracy before they were sent to the regional offices.

### **2.1.7 Data processing**

Data processing involves data capture, verification, editing and coding of completed questionnaires, and generation of tables.

### ***Office editing and coding***

The purpose of the office editing was to check the questionnaires for completeness, accuracy and consistency before capturing the data. Editors checked the spelling of each establishment's information on its principal activity and ensured that the data on persons engaged was accurate. Problems that the editors were unable to resolve were passed on to senior project officers for a decision to be taken.

### ***Data capturing verification***

Data was captured by data entry personnel in the regions. This was to allow for easy call-back and clarification. The software application, CSPro version 5.0, was used to capture the data. Editing teams were set up to check the consistency of the data in the submitted questionnaires thoroughly before capturing them. An error-checking program was run throughout the data capturing period to correct data entry errors. Following the data capture, regional level data were merged to obtain the national level data.

### ***Validation***

Data validation involved identification of inconsistencies and also detection of omissions in the data. In order to ensure that all formal establishments were included in the IBES Register, an establishment database was obtained from the Social Security and National Insurance Trust (SSNIT) and used to validate the IBES Register. This was done to ensure that all establishments in the SSNIT database, which are usually establishments in the formal sector, were captured.

### ***Tabulation and publication***

The final stage in preparing the Phase I data for publication was the review of the IBES establishment list and output tables. The review process took longer than planned due to the late responses from some establishments.

The tables were reviewed to check for coherence and consistency. After the data processing was completed and queries and inconsistencies resolved, the data was released for further analysis and publication.

## **2.2 Statistical definitions and concepts**

### ***The statistical unit***

An establishment is the statistical unit recommended by the United Nations Statistical Office for economic enquiries. It is defined as a unit of production engaged in a single kind of activity under a single ownership at a single location. In practice, it was difficult to apply this definition to some enterprises, hence the concept of a reporting unit was adopted. The reporting unit was the smallest unit that could provide the information required by the census. With the exception of the cases below, the reporting unit was the same for all establishments:

- 1) A unit, though under single ownership and carrying out a single activity, may operate at different locations but keep consolidated accounts which do not readily yield data on separate locations. This occurs in some large establishments.
- 2) A number of establishments engaged in two or more economic activities. Where possible, a completed questionnaire was obtained in respect of each activity; otherwise a combined return for all activities was accepted.

### ***Classification of industry***

The International Standard Industrial Classification for all economic activities (ISIC) Revision 4 was adopted for classifying economic activities. The Industry group (four-digit) level was sufficiently detailed for Ghana's needs.

When an establishment was engaged in two or more economic activities, an attempt was made to obtain a questionnaire on each activity. When it was not possible to obtain information on the separate activities, the unit was assigned to the establishment that generated the greater value of output.

### ***Institutional agriculture***

Institutional agriculture covers all agricultural establishments owned by the state, privately owned and in public-private partnership other than household agriculture. Non-household agriculture includes all institutions (housed in a structure) engaged in agriculture-related activities. It is usually called institutional agriculture.

### ***LMSM enterprises***

LMSM is an abbreviation for large, medium, small and micro establishments. Large establishments are those engaging more than 100 persons in total. Medium-sized establishments are those with 31-100 employees, while small-sized establishments have 6-30 persons engaged. Micro-sized establishments are those with between 1 and 5 persons engaged.

### ***Skilled labour***

These are workers who have special skills, knowledge or (usually acquired) ability in their work. For example, car mechanics who repair faulty cars, software developers, electricians who attend to activities related to electrical works, and a chemical engineer directly involved in petroleum refinery. It also includes human resource managers, accountants, auditors and the like.

### ***Unskilled labour***

These are persons who are directly involved in the actual activity of the establishment but lack the required technical skills to deliver on the job. Such persons may become skilled through acquiring knowledge on the job. These may include cleaners, security personnel, etc.

### ***Formal and informal enterprises***

In this report, an establishment is considered to be formal if it has professionals managing the accounting records. If the establishment does not have professionals keeping the accounting records then it is considered to be informal.

### ***Type of legal organization***

Businesses acquire legal status through registration at the Registrar General's Department (RGD). It may take the form of private limited company, sole proprietorship or partnership, among others. However, if a business is not registered with the RGD and considers itself to be operating within the confines of any of the above statuses, this is recorded as the legal status of the establishment.

**Sole Proprietorship:** This is a business owned and run by a single person where there is no legal distinction between the owner and the business. The individual proprietor has the right to all the profit from the business and is also responsible for all the establishment's liabilities.

**Partnership:** A partnership is a business association of two or more persons who have formally agreed to work together, each contributing skills, labour and capital to the venture in return for an agreed share of the profits/loss as specified in the partnership agreement. The formal partnership agreement usually covers all the partners' rights, responsibilities and obligations, the circumstances in which their partnership may be dissolved and a specific length of time during which the partnership is in effect. Unless a Limited Partnership has been established, all parties share the burden of losses and debts.

**Private Limited Company:** This is a type of company that offers limited liability or legal protection for its shareholders but places certain restrictions on its ownership. Its shares may not be offered to the general public.

**Public Limited Company:** This is a listed company, which is limited by shares, has share capital and may offer its shares for purchase by the general public.

**Statutory Body:** This is a body established by legislation to carry out a specific function. Examples include the Electoral Commission, the Energy Commission, the National Petroleum Authority, the National Communications Authority (NCA), etc.

**Other Government Institutions (MDAs etc.):** These institutions are fully funded and controlled by the government. Examples include the Information Services Department, the Ministry of Trade and Industry, etc.

**Quasi-Governmental Institutions:** A quasi-governmental agency is an agency of the government but acts independently from the government. These agencies receive their monetary support from the government although they may also have their own means of collecting money. They include public universities, polytechnics, government hospitals, etc.

**Parastatal Organization:** This is a legal entity created by a government to undertake commercial activities on behalf of its owner, the government. Graphic Corporation, the *Ghanaian Times*, the Volta River Authority and the Electricity Company of Ghana are all examples of parastatal organizations.

**Non-Governmental Organization (NGO):** This is an organization that is neither a part of a government nor a conventional “for profit” business. Usually set up by ordinary citizens, NGOs may be funded by governments, foundations, businesses or private persons. Some avoid formal funding altogether and are run primarily by volunteers. NGOs are highly diverse groups of organizations engaged in a wide range of activities, and they take different forms in different parts of the world. Some may have charitable status, while others may be registered for tax exemption based on recognition of social purposes. Others may be established for political, religious or other interests. Examples are Action Aid, churches, Health Alliance, the African Students Union and the Christian Council of Ghana.

**Cooperative:** This is a business or an activity operated by the people that it serves and that has been registered with a cooperative association. People join cooperatives to carry on an activity that is of mutual benefit. All establishments that are run by cooperatives fall under this category. Membership can be made up of employees of the establishment or consumers of the product/service or both. Examples include the Ghana Private Road Transport Union (GPRTU) and the Credit Unions, among others.

**Associations/Groups:** These comprise groups of individuals who voluntarily enter into an agreement to accomplish a purpose. They include alumni associations, professional associations such as the Ghana Bar Association, trade and sports associations, etc.

#### ***State-owned establishments***

State-owned enterprises (SOEs) are legal entities created by the government in order to partake in commercial activities on the government's behalf. An SOE is typically earmarked to participate in commercial activities.

#### ***Privately owned establishments***

A privately owned enterprise refers to a commercial enterprise that is owned by private investors, shareholders or owners (usually collectively, but they can be owned by a single individual), and is in contrast to state institutions. Private enterprises make up the private sector of the economy.

#### ***Public-private partnership establishments***

A public-private partnership (PPP) is a government service or private business venture which is funded and operated through a partnership of government and one or more private sector companies. In 2004, the Government of Ghana published PPP policy guidelines which attempted to officially integrate the two sectors in the development process. The private sector was described as Ghana’s “engine of growth”, indicating its importance. The PPP law gives government the legal backing to join hands with private firms to carry out projects in the country.

## **CHAPTER THREE**

### **SPATIAL DISTRIBUTION OF ESTABLISHMENTS**

#### **3.1 Spatial distribution of establishments in Western Region**

The spatial distribution of establishments in the Western Region by district is shown in Figure 1.1. A total of 63,439 establishments, representing one-tenth of the total number of establishments in the country, are located in the Western Region. The concentration of the establishments in this region is in the Sekondi-Takoradi Metropolis (16,809), having a little over one-quarter (26.5%). This is followed by Prestea/Huni Valley (5,099), Jomoro (3,818), Tarkwa Nsuaem (3,677), Bia West (3,371) and Aowin (3,198). Each of the rest of the districts has less than three thousand establishments, with Mpohor district (690) having the least number of establishments.

The sectoral distribution of establishments indicates that, in almost all districts, about eight out of every ten establishments operate in the services sector. In the Wassa Amenfi district for instance, the services sector dominates with 1,721 establishments, representing 90.9 per cent. On the other hand, Aowin district (19.4%) has the highest proportion of establishments operating in the industry sector, while Sefwi Bibiani district (1.0%) has the highest proportion of establishments in the agriculture sector. Further analysis reveals that significant proportions of establishments in each of the sectors are in the Sekondi/Takoradi Metropolis. Indeed, more than one-quarter of establishments operating in the industry, services and agriculture sectors are located in the metropolis, accounting for 29.3 percent, 25.9 percent and 40.8 percent respectively (Table A1.1).

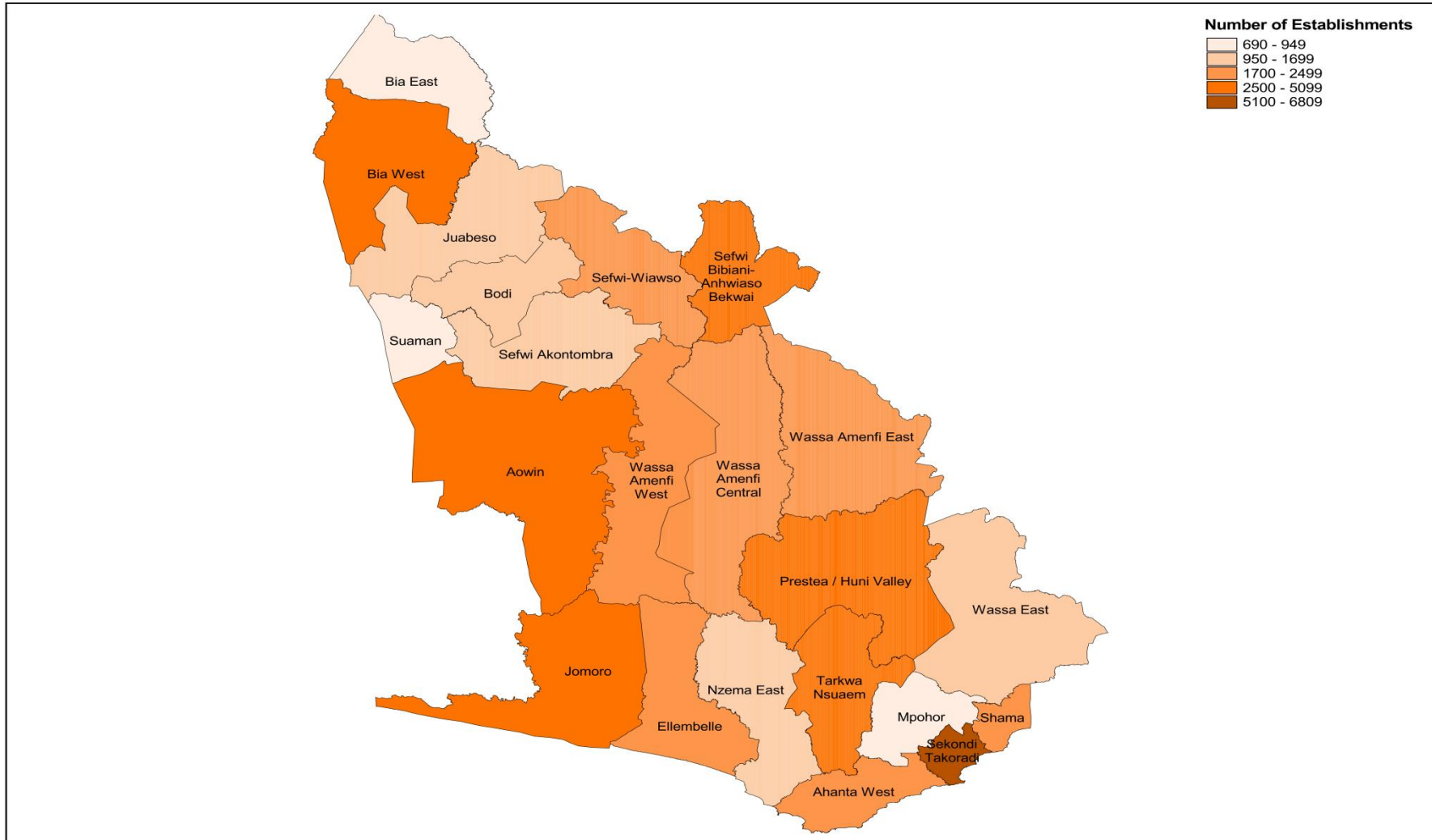
Across the districts, most of the establishments operate on informal basis. Only three districts (Tarkwa Nsuaem Municipal- 16.0%, Sekondi/Takoradi Metropolis- 12.2%, and Sefwi Wiawso- 10.5%) have more than one-tenth of the establishments operating in the formal sector. On the other hand, Mpohor district (98.1%) has the largest proportion establishments in the informal sector (Table A1.7).

On the distribution of establishments by size, majority (83.4%) of establishments in the region are micro-sized (52,982). This is followed by small-sized (9,407), medium-sized (798) and large-sized (252). The distribution by district shows that almost half of each of large-sized and medium-sized establishments are located in the Sekondi/Takoradi Metropolis (116 and 337 respectively), whereas a little more than one-tenth of each of this category of establishments are in Tarkwa Nsuaem Municipal (35 and 84 respectively). Furthermore, a little more than one-fifth of small-sized (2,130) and one-quarter of micro-sized (14,226) establishments are located in the Sekondi/Takoradi Metropolis (Table A1.5).

From Table A1.8, it is observed that majority of the establishments in the region operate as sole proprietorship (46,871). The other categories are partnership (6,421), Non-governmental organization (2,784), private limited company by Guarantee (2137), and other governmental institutions (2,123). The Sekondi/Takoradi Metropolis has more than one-fifth of its establishments being sole proprietorship (29.0%) and partnership businesses (22.5%).

Similarly, four out of every ten private limited company by guarantee establishments are located in Sekondi/Takoradi Metropolis, whereas with other governmental institutions (MDAs) only one-tenth of them are located in this district. However, Non-governmental organizations are mainly located in the Prestea /Huni Valley (281), Wassa Amenfi Central (255), Jomoro (227) and Aowin (219) districts.

**Figure 1.2: Spatial distribution of establishments located in the Western Region by district**



### **3.2 Spatial distribution of establishments in Central Region**

Figure 1.2 shows the spatial distribution of establishments in the Central Region by district. A total of 52,975 establishments, representing 8.3 per cent of the establishments in the country are located in the Central Region. Within the region, a little more than one-tenth (12.2%) of the establishments is located in the Cape Coast Metropolis (6,441). This is followed by Awutu Senya East Municipal (4,667), Gomoa East (4,617), Agona West Municipal (3,913) and Assin North Municipal (3,335). The districts with relatively low number of establishments are Twifo Heman Lower Denkyira (1,139) and Ekumfi (1,045).

Similar to the sector distribution of establishments in districts of other regions, the services sector dominates activities in districts within the Central region. About eight out of every ten (84.9%) establishments in the region operate in the services sector. In Gomoa West district, 86.8 percent of the total of 2,273 establishments operate in the services sector (Table A2.1). The Twifo Lower Heman Denkyira district has more than one-fifth (22.7%) of establishments in the industry sector while the other districts have about one out of every six establishments within the same sector. Generally, across the districts in the region, the dominant establishments are those operating in the services sector. In the Upper Denkyira West for instance, about nine out of ten (89.6%) of establishments are in the services sector.

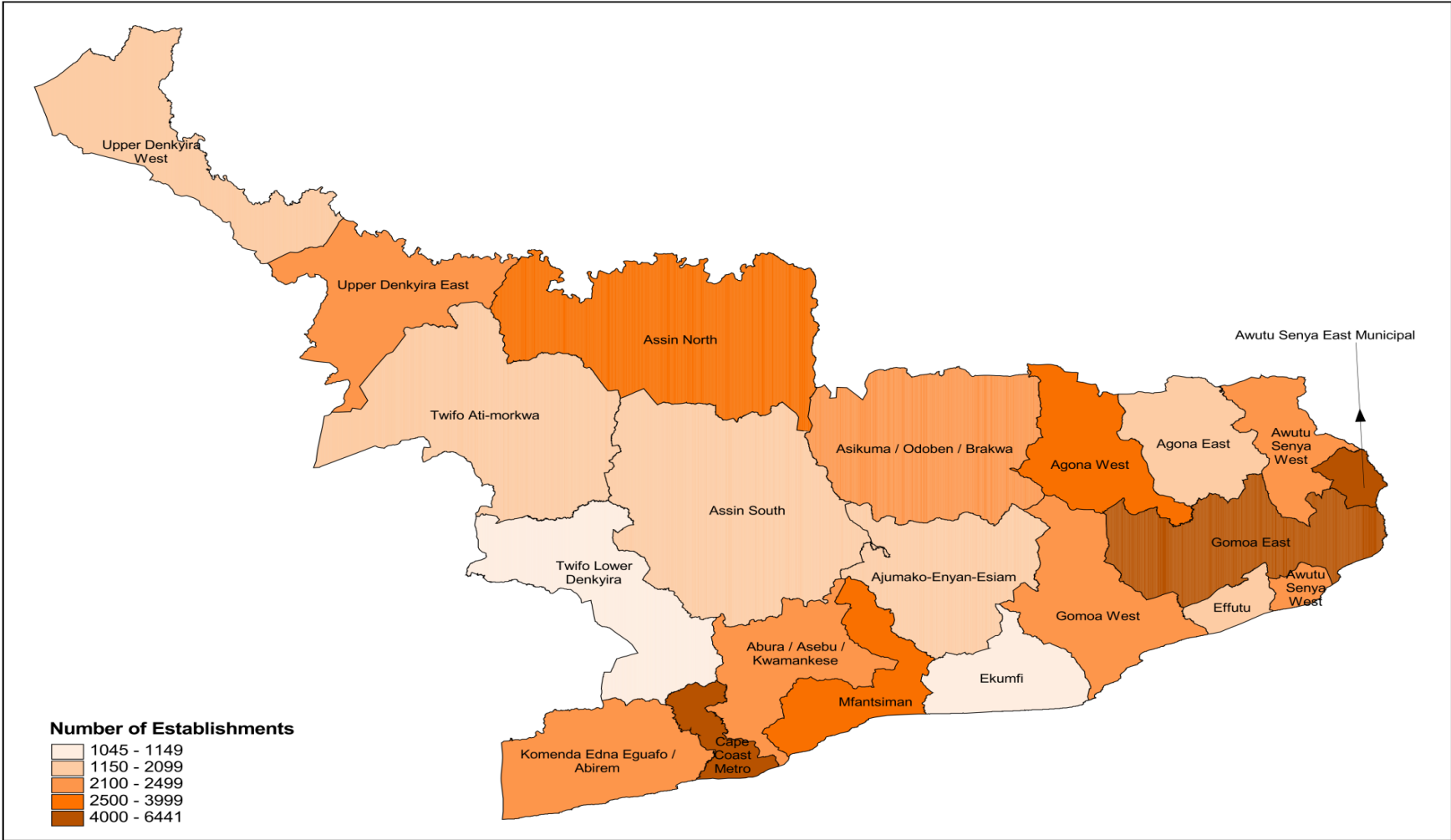
In terms of the distribution of LMSM establishments, the micro-sized (44,804) form the majority, followed by small-sized (7,580), medium-sized (465) and large-sized (126). At the district level, about one-fifth each of the large-sized and medium-sized establishments, and one-tenth of micro-sized and small-sized establishments are located in Cape Coast Metropolis (Table A2.5).

The type of legal organization of most establishments in the region is sole proprietorship (40,759), followed by partnership (3,879) and NGOs (3,309). The data reveal that the various groups of establishments seem fairly distributed across the districts. Particularly, while a little more than one-tenth (13.2%) of establishments operating as sole proprietorship are located in the Cape Coast Metropolis (5,364), each of the remaining districts account for less than ten percent. Also, about twenty percent of Non-governmental organizations (3,309) are either located in Assin North Municipal (12.0%) or Abura-Asebu-Kwamankese (9.7%). On the other hand, three districts, Gomoa East (9.8%), Cape Coast Metropolis (9.8%), and Awutu Senya East Municipal (8.8%) account for almost one-tenth each of establishments registered under partnership (Table A2.8)

In addition, while informal establishments dominate across districts in the region, formal establishments are fewer. About one-tenth each of the establishments in Cape Coast Metropolis (11.9%), Effutu Municipal (10.0%) and Agona East (9.7%) are formal (Table A2.7).



**Figure 1.3: Spatial distribution of establishments located in the Central Region by district**



### 3.3 Spatial distribution of establishments in Greater Accra Region

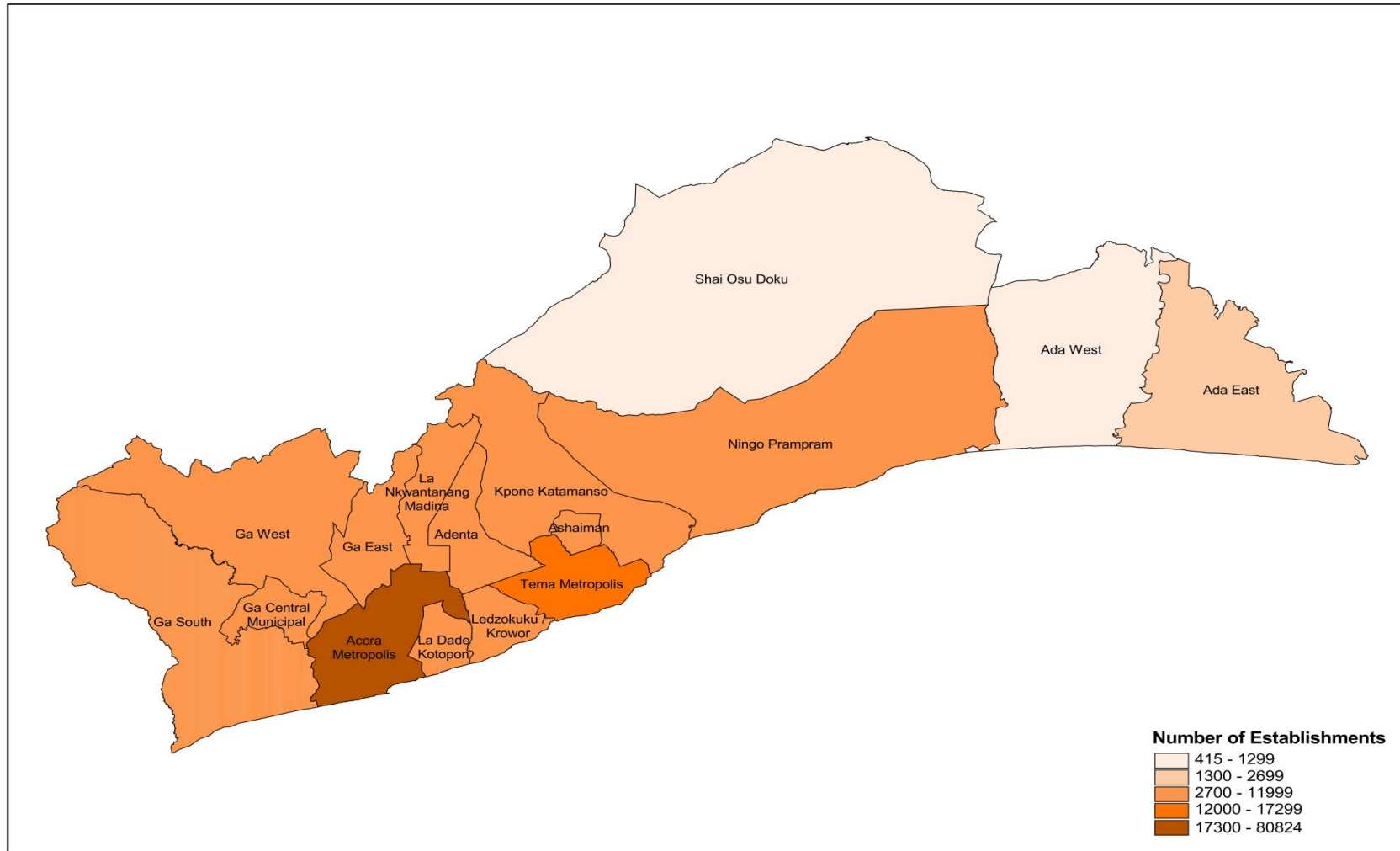
Figure 1.3 shows the spatial distribution of establishments in the Greater Accra region by district. It indicates that a total of 177,152 establishments are distributed over the sixteen districts in the region. Three notable districts namely; Accra Metropolis, Tema Metropolis and Ga South Municipal have significant numbers of establishments located within them. Among these three districts, though Accra Metropolis has a smaller land area, it has the highest number of establishments (80,824), representing more than two-fifth (45.5%) of the total number of establishments in the region. It is followed by Tema Metropolis (17,250) which has the least land area and also has the country's main harbour. The Ga South Municipal which has the largest land area among the the three districts has a total of 11,810 establishments. Even though Shai Osudoku is the district with the largest land area in the region, it has the least number (415) of establishments.

Sectorally, establishments in the services sector are dominant (149,512) followed by those in the industry sector (27,302) and institutional agriculture (338). A similar distribution pattern is observed at the district level, where about eight out of every ten establishments operate in the services sector. Nearly half of the services sector establishments in the region are located in the Accra Metropolis (68,333) and almost one-tenth in the Tema Metropolis (14,545). Ga South Municipal has 10,079 of the services sector establishments while the least number is located in Shai Osudoku district (345). Similarly, out of a total of 27,302 establishments in the industry sector, almost half are located in Accra Metropolis (12,311), while about one-tenth are in Tema Metropolis (2,655). Again, Shai Osudoku district (65) has the least number of establishments operating within its boundaries (Table A3.1).

The distribution of establishments by type of legal organisation indicates that within the region sole proprietorship (141,963), partnership (12,181) and private limited company by guarantee (17,604) are dominant. In fact, eight out of every ten establishments registered as private limited company by guarantee are located in Accra Metropolis (11,518) and Tema Metropolis (2,919). The least proportions of sole proprietorship and partnership establishments are in Shai Osudoku (0.2% each) (Table A3.8).

Informality is very prominent among establishments operating in the region. The highest proportion of establishments operating as formal establishments in the region is within the Tema Metropolis (26.3%). This is followed by Accra Metropolis (24.2%), La Dade Kotopon Municipal (13.3%), Ledzokuku/Krowor Municipal (13.0%), Shai Osudoku (11.3%) and Adenta Municipal (10.2%). Formal establishments within each of the remaining districts constitute less than ten per cent of the establishments in these districts (Table A3.8).

**Figure 1.4: Spatial distribution of establishments located in the Greater Accra Region by district**



### **3.4 Spatial distribution of establishments in Volta Region**

The spatial distribution of the 42,155 establishments in the Volta region indicates that three districts, Ho Municipal (5,240), Ketu South (4,955), and Hohoe Municipal (3,356), together account for about one-third (32.1%) of the establishments in the region. Keta Municipal (2,857), Ketu North (2,088) and Krachi East (1,940) have about five percent each. Each of the remaining districts has less than four per cent of the total number of establishments, with the least being Adaklu (378), one of the newly created districts (Figure 1.4).

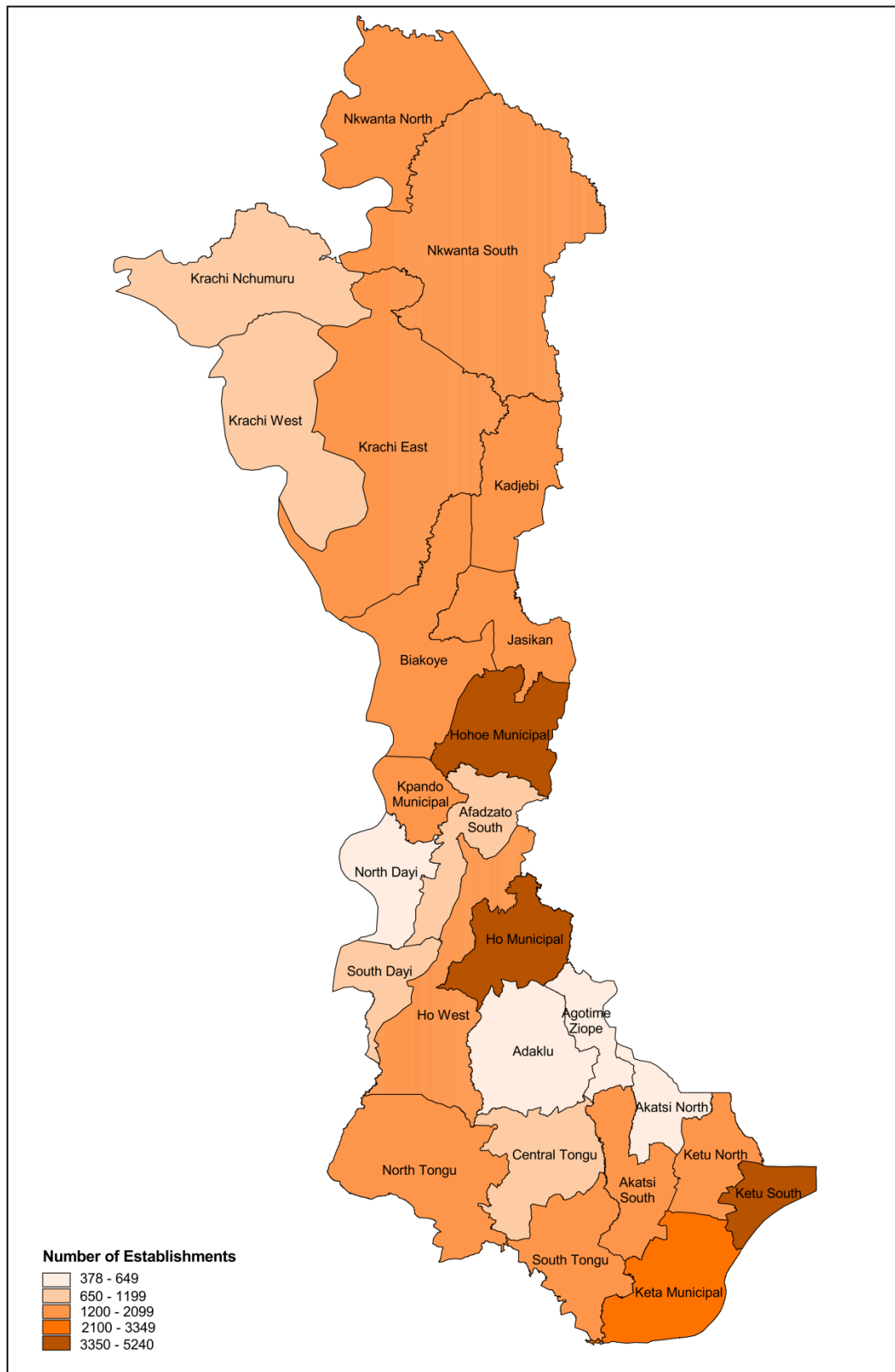
The services sector dominates the population of establishments within the region, with most districts having proportions higher than seventy-five percent. More than one-tenth of the 32,880 service sector establishments in the region is either situated in Ho municipal (12.8%) or Ketu South district (11.1%). On the other hand, Ketu South (1,306) has the largest number of industrial establishments, followed by Ho Municipal (1,028) and Hohoe district (699), with North Dayi (60) having the least number. With respect to agricultural establishments, the concentration is in South Tongu (47) with a proportion of 29.4 percent, followed by North Tongu (14), Afadzato South (14) and Nkwanta South (10) (Table A4.1).

Large (112) and medium-sized (314) establishments are more concentrated in the regional capital while small-sized (5,817) and micro-sized (35,912) establishments are widely dispersed over the 25 districts in the region. Table A4.5 shows that more than one-quarter (27.7%) of large-sized establishments and about one-fifth (20.4%) of medium-sized establishments in the region are located in Ho Municipal. In the case of small-sized and micro-sized establishments, about one-tenth each are located in the Ho Municipal (11.8% and 12.4% respectively). Ketu South (12.1%) and Hohoe Municipal (8.1%) are also important districts in terms of micro-sized establishments (Table A4.5).

The distribution of establishments by type of legal organization reveals that majority of them are sole proprietorship (32,585). Other types with appreciable numbers are partnership (2,614), NGOs (2,929) and MDAs (2,368). Across the districts, about one-quarter of sole proprietorship establishments are located either in Ketu South (13.1%) or Ho Municipal (12.7%) (Table A4.8).

Across the districts, most establishments operate informally. Out of the twenty-five districts, only Agotime Ziope (10.5%) and Ho Municipal (13.6%) have more than one-tenth of establishments operating as formal establishments. Nkwanta North (98.1%), on the other hand, has the highest proportion of establishments operating as informal entities (Table A4.7).

**Figure 1.5: Spatial distribution of establishments located in the Volta Region by district**



### 3.5 Spatial distribution of establishments in Eastern Region

Figure 1.5 shows the spatial distribution of a total of 58,766 establishments over 26 districts in the Eastern region. More than one-tenth (13.5%) of these establishments are located in New Juaben Municipal (7,905), while Birim North (4,025), Kwahu West (3,763) or East Akim (3,364) districts together account for more than one-quarter of the establishments in the region. Each of the remaining districts has less than five percent of the total number of establishments, with Kwahu Afram Plains North district (464) having the least.

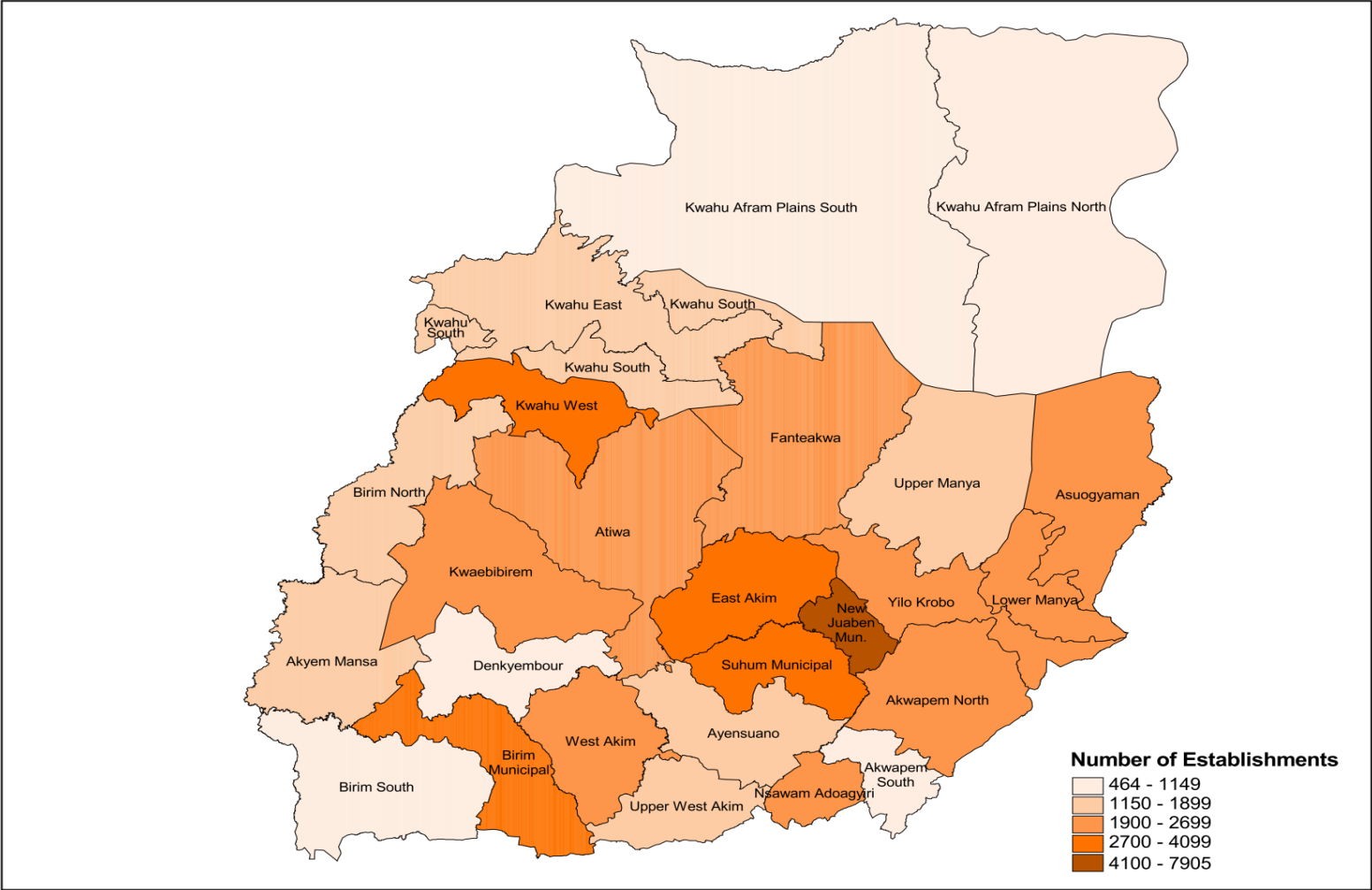
At the sectoral level, the services sector establishments dominate with more than three-quarters of the establishments. In the Asuogyaman district in particular, 83.8 per cent of the 1,901 establishments operate in the services sector, while a little more than one-tenth (14.1%) are in the industrial sector (268), with only 2.1 per cent in the agriculture (institutional) sector. Generally, across the districts, the distribution of industry and services sector establishments exhibit similar trends. More than one-tenth (13.5%) each of the services and industry sector establishments are located in New Juaben Municipal, while more than six per cent each are found in Birim Municipal and Kwahu West district. The distribution of 389 institutional agriculture establishments exhibits a slightly different trend, with about half located either in Nsawam Adoagyiri Municipal (94), Yilo Krobo Municipal (53) or Asuogyaman (40). The remaining are fairly distributed over the rest of the districts, with Kwahu South having the least number (Table A5.1)

With the exception of Birim Municipal (10.1%) and Asuogyaman (11.4%), each of the remaining districts in the region has less than ten percent of the establishments operating as formal. On the other hand, Ayensuano district has the largest informal sector, with a total of 1,463 establishments, representing 98.9 percent (Table A5.7).

On the distribution of establishments by type of legal organization, establishments operating in New Juaben Municipal are predominantly sole proprietorship (45,175) and partnership (5,107). NGOs and MDAs which are the other commonly operated establishments in the region are fairly dispersed across the districts. Akwapim North (189) has the highest number of NGOs while Akwapim South has only 15, which is the least (Table A5.8).

It is also observed that the region is mostly populated with micro-sized (50,015) and small-sized (8,087) establishments while large-sized (182) establishments are relatively few in number. The distribution of each of the establishments by size category is skewed in favour of New Juaben Municipal, which accounts for about 10 percent of medium-sized (14.7%), small-sized (10.1%) and micro-sized (14.0%). Furthermore, about one-quarter of the large-sized establishments is accounted for in Birim Municipal (10.4%) and New Juaben Municipal (15.4%) (Table A5.5).

**Figure 1.6: Spatial distribution of establishments located in the Eastern Region by district**



### 3.6 Spatial distribution of establishments in Ashanti Region

Figure 1.6 illustrates the spatial distribution of establishments in the region across the thirty districts. The Ashanti region is the second most populated region after Greater Accra, with a total of 123,644 establishments. Similar to the Greater Accra region, more than two-fifth (44.9%) of the establishments are located in the regional capital, Kumasi Metropolis (55,130). There are also appreciable numbers of establishments located in Obuasi (6,560), Asokore Mampong (5,177), Atwima Nwabiagya (4,624) and Kwabre East (4,346). Each of the remaining districts has less than four per cent share of establishments in the region.

The sectoral distribution of establishments indicates that very high proportions of the establishments in the districts operate in the services sector. Nine out of every ten establishments in three of the districts, Atwima Mponua (90.5%), Amansie West (91.0%) and Amansie Central (91.7%), operate in the services sector (Table A6.1). About one-tenth of establishments are also accounted for by the industry sector. The distribution across districts reveals that about half of the establishments in the services (102,219) and industry sectors (20,752) in the region are located in the Kumasi Metropolis (45,365 and 9,676 respectively). With regard to institutional agriculture, there are high numbers in the Kumasi Metropolis (89), Sekyere South (70) and Atwima Nwabiagya (69) compared to the other districts.

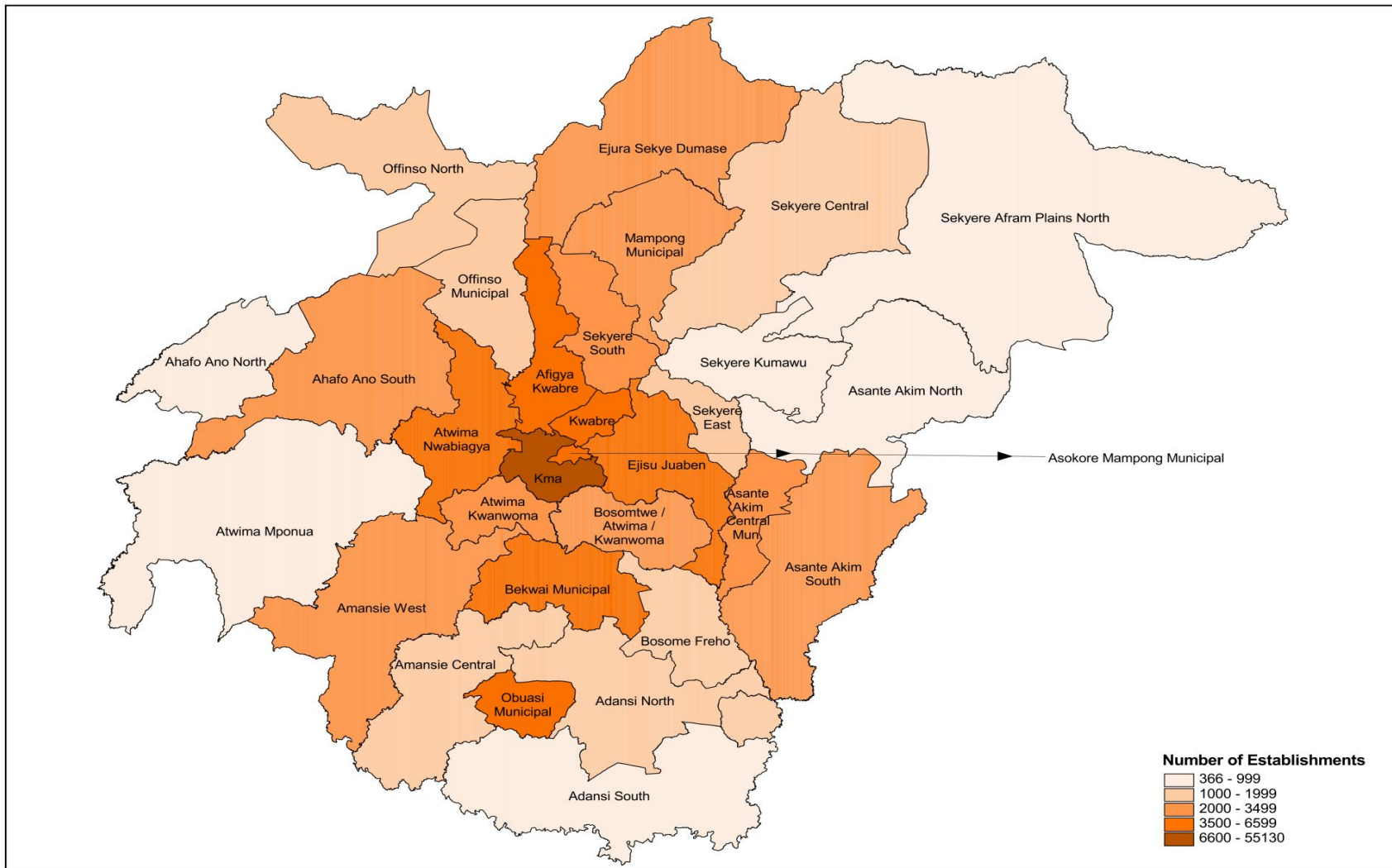
Analysis of the size distribution indicates a pattern similar to that exhibited by districts in other regions. Majority of the LMSM establishments are concentrated in the regional capital. In fact, about half (46.0% and 53.0% respectively) of large-sized (315) and medium-sized (1,240) establishments are located in the Kumasi Metropolis (145 and 657 respectively). In addition, about four out of every ten small-sized (16,105) and micro-sized (105,984) establishments are found in the Kumasi Metropolis (38.9% and 45.4% respectively). However, in Sekyere Afram Plains district, there are neither large-sized nor medium-sized establishments (Table A6.5).

Out of the thirty districts in the region, only Atwima Mponua (10.7%) and Adansi South (10.2%) have just one-tenth of its establishments operating as formal establishments. The Kumasi Metropolis (8.8%) and the other districts have less than ten percent of their establishments in the formal sector. Sekyere East district, on the other hand, has the largest informal sector (99.7%) (Table A6.7).

Majority of establishments in the region (99,993) operate under sole proprietorship. Other types of legal organizations are partnership (10,947), NGOs (4,504), MDAs (2,984) and private limited company by guarantee (2,906). The distribution within districts shows that most of the establishments operating under sole proprietorship are located in the regional capital. Indeed, about half of establishments operating as sole proprietorship (46.7%), partnership (45.2%) and private limited company by guarantee (69.1%) are located in the Kumasi Metropolis.



**Figure 1.7: Spatial distribution of establishments located in the Ashanti Region by district**



### 3.7 Spatial distribution of establishments in Brong Ahafo Region

Figure 1.7 shows the spatial distribution of 49,346 establishments across the districts in the region. Sunyani (6,764) and Techiman (5,330) Municipal have relatively higher shares of more than one-tenth each (13.7% and 10.8% respectively). A similar distribution pattern is observed within these two Municipalities by sector, as more than one-tenth each of the establishments in Sunyani and Techiman are in the industry and services sector.

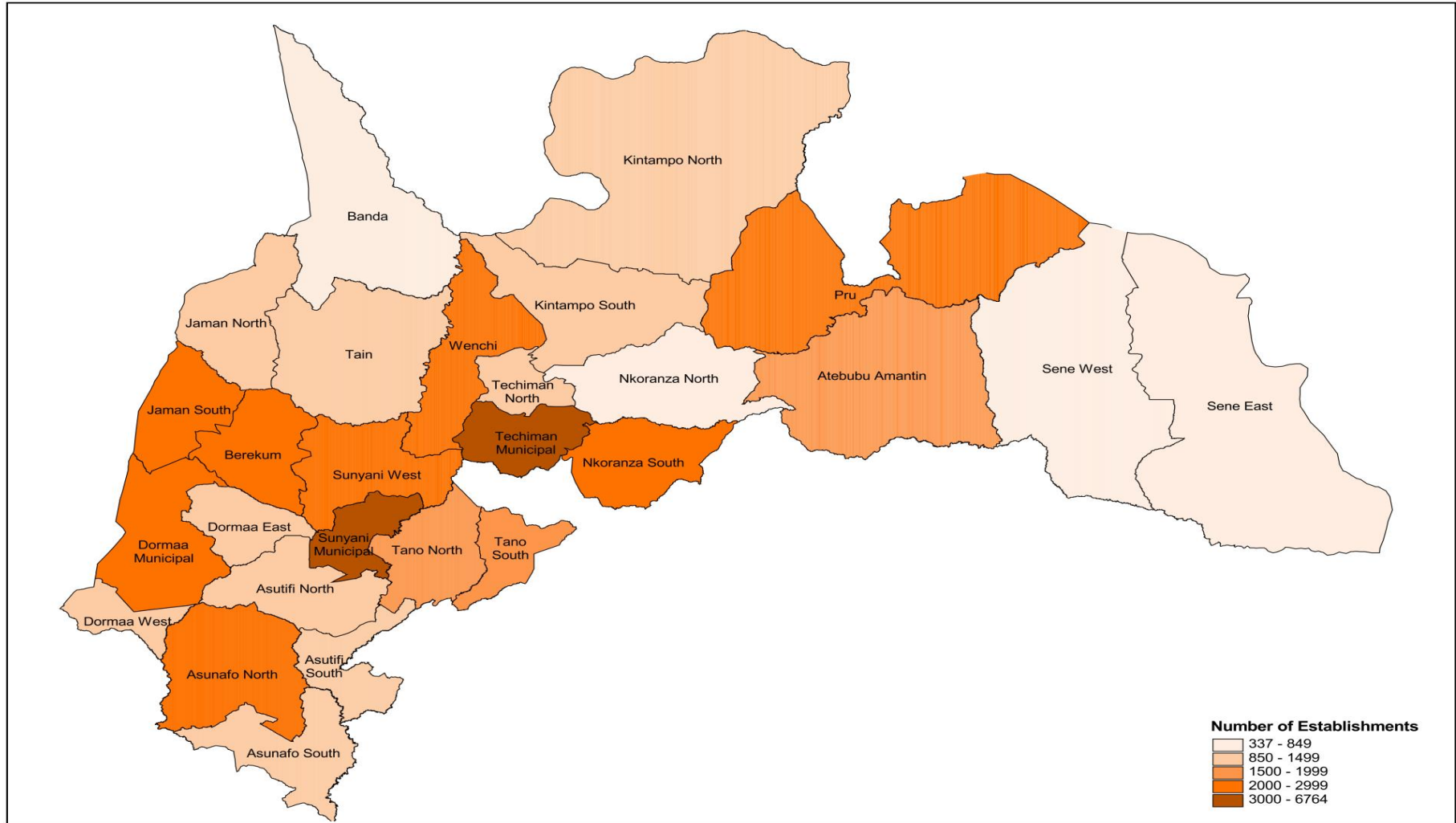
The sectoral distribution shows that across the districts, majority of establishments operate in the services sector. Establishments in the industry and services sectors are concentrated in Sunyani and Techiman Municipal. A total of 2,074, representing more than one-quarter (26.3%) of industrial sector establishments are located in Sunyani (1,102) and Techiman (972) Municipalities. Similar proportions are observed for the services sector. Of the 40,873 establishments in the region, 13.6 percent and 10.6 percent are located in Sunyani Municipal and Techiman Municipal respectively. More than half of the institutional agricultural sector establishments (574) is distributed among Dormaa East (68), Dormaa Central Municipal (134), and Sunyani Municipal (97). On the other hand, with the exception of Kintampo North Municipal which has a little more than one-fifth (21.3%) of the establishments operating in the industry sector, each of the remaining districts has less than twenty percent of establishments operating within the sector (Table A7.1).

Sole proprietorship businesses dominate in the region, with a total 36,220 establishments. About a quarter (27.4%) of these are located in Sunyani (5,458) and Techiman (4,474) Municipalities. Similarly, businesses operating under partnership agreement which is the second common group has almost one-quarter of a total of 4,204 establishments located either in Sunyani Municipal (586) or Techiman Municipal (426). This is followed by NGOs (2,522) and MDAs (2,070), which are fairly distributed among the districts (Table A7.8).

The distribution pattern observed with each of the LMSM establishments is similar to that of establishments categorized according to their legal status. Across the districts, Techiman and Sunyani Municipalities have relatively higher proportions of each of the LMSM establishments. Particularly, one-quarter of the total of 40,925 micro-sized establishments are located either in Sunyani (5,796) or Techiman (4,488) Municipal. Similarly, almost one-third of the 137 large-sized establishments in the region is located in Sunyani (30) and Techiman (12) Municipal (Table A7.5)

Analysis of the distribution of establishments based on their formal and informal status shows that Brong Ahafo is one of the few regions exhibiting very large informal sector across its districts. With the exception of Asutifi North (12.1%) and Sunyani Municipal (12.4%), each of the remaining districts has less than ten percent of its establishments operating in the formal sector. On the other hand, Kintampo South (97.9%) is noted for having a very high proportion of establishments in the informal sector.

**Figure 1.8: Spatial distribution of establishments located in the Brong Ahafo Region by district**



### 3.8 Spatial distribution of establishments in Northern Region

The spatial distribution of establishments in the Northern region by district, as illustrated in Figure 1.8, indicates that almost one-quarter (24.8%) of the 39,975 establishments in the region is located in the Tamale Metropolis (9,920), and about one-tenth (9.1%) in Sagnerigu Municipal (3,650) while the West Mamprusi district (2,266) has about six percent (5.7%). The remaining districts in the region have less than four percent each, with the North Gonja district (496) having the least number of establishments.

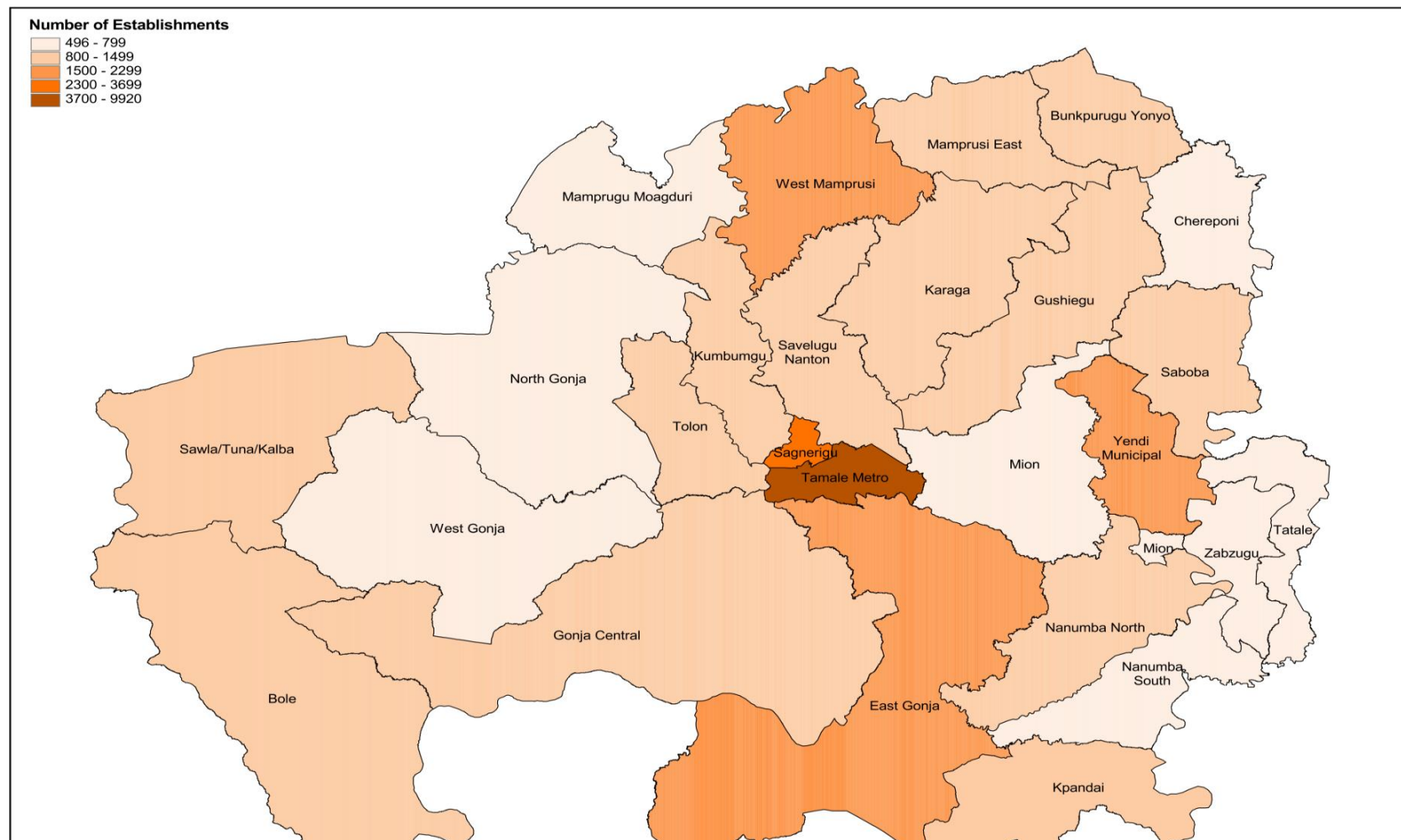
The sectoral distribution of establishments shows that majority of the establishments are in the services sector (31,108) (Table A8.1). The industry (8,662) and agriculture (205) sectors together account for about one-fifth (21.7%) of the establishments in the region. Within the districts, the pattern of distribution is the same. About eight in every ten establishments in most of the districts operate in the services sector. Across the districts, a similar trend is observed with the sectoral distribution of establishments. One-quarter each of industry and services sector establishments are located in the Tamale Metropolis. However, with the institutional agriculture establishments, about one-fifth are located in East Mamprusi (44), while less than one-fifth is in Sagnerigu Municipal (35) and one-tenth in Karaga district (23).

With regard to the distribution by size, the pattern observed with each of LMSM establishments is skewed in favour of the regional capital, Tamale Metropolis. Apart from Tamale Metropolis (7,988), a relatively smaller number of micro-sized establishments are located in Sagnerigu Municipal (2,869), Mamprusi West (1,876), Yendi Municipal (1,454), Mamprusi East (1,345) and East Gonja (1,244). Furthermore, one-quarter of the small-sized establishments (7,282) are located in the Tamale Metropolis (1,823) while about one-tenth is found in Sagnerigu Municipal (713). Each of the remaining districts has less than 400 small-sized establishments. Almost half of the large-sized establishments (84) are either located in the Tamale (33.3%) or Sagnerigu (13.1%) Municipalities. Six districts including, Nanumba North, Nanumba South, Mion, Tatale, Karaga and Mamprugu Moagduri have no large-sized establishments (i.e., those engaging more than 100 persons). Similarly, almost half of the 283 medium-sized establishments in the region are either located in Tamale Metropolis (81) or Sagnerigu Municipal (57) (Table A8.5).

With respect to their formal and informal status, the data suggest that majority of establishments in the districts operate as informal establishments (Table A8.7). All districts have less than ten percent of the establishments operating in the formal sector. Tamale Metropolis has a total of 856 (8.6%) of its establishments operating in the formal sector. Furthermore, Mamprugu Moagduri district has only one out of the 508 establishments in the district operating as formal (Table A8.7).

In terms of their legal status, majority of the establishments in the region are operating under sole proprietorship (29,574) with most of them located in Tamale (8,548), Sagnerigu (2,891), Mamprusi West (1,707), Yendi Municipal (1,526), and East Gonja (1,244). The category of establishments operating as Other Government Institutions (MDAs) is evenly distributed among the districts. This is followed by a total of 2,767 establishments operating under partnership agreement, with about one-fifth in the Tamale Metropolis (561), and about one-tenth each in East mamprusi (344) and Sagnerigu (313). Another important category of establishments in the Northern region is Association/groups and these are mainly found in Chereponi (214) and East Gonja (191).

**Figure 1.9: Spatial distribution of establishments located in the Northern Region by district**



### 3.9 Spatial distribution of establishments in Upper East Region

Figure 1.9 shows the spatial distribution of the 17,054 establishments across the thirteen districts in the region. Bolgatanga Municipal (5,005) has the largest share (29.8%) of the total number of establishments in the region, followed by Bawku Municipal (2,378) and Kassena Nankana East (1,835). Garu Tempene (1,399) has about 8.2 per cent of the establishments in the region while the remaining districts have less than seven percent each. The districts with relatively low numbers of establishments are Builsa (318), Nabdam (375) and Binduri (486).

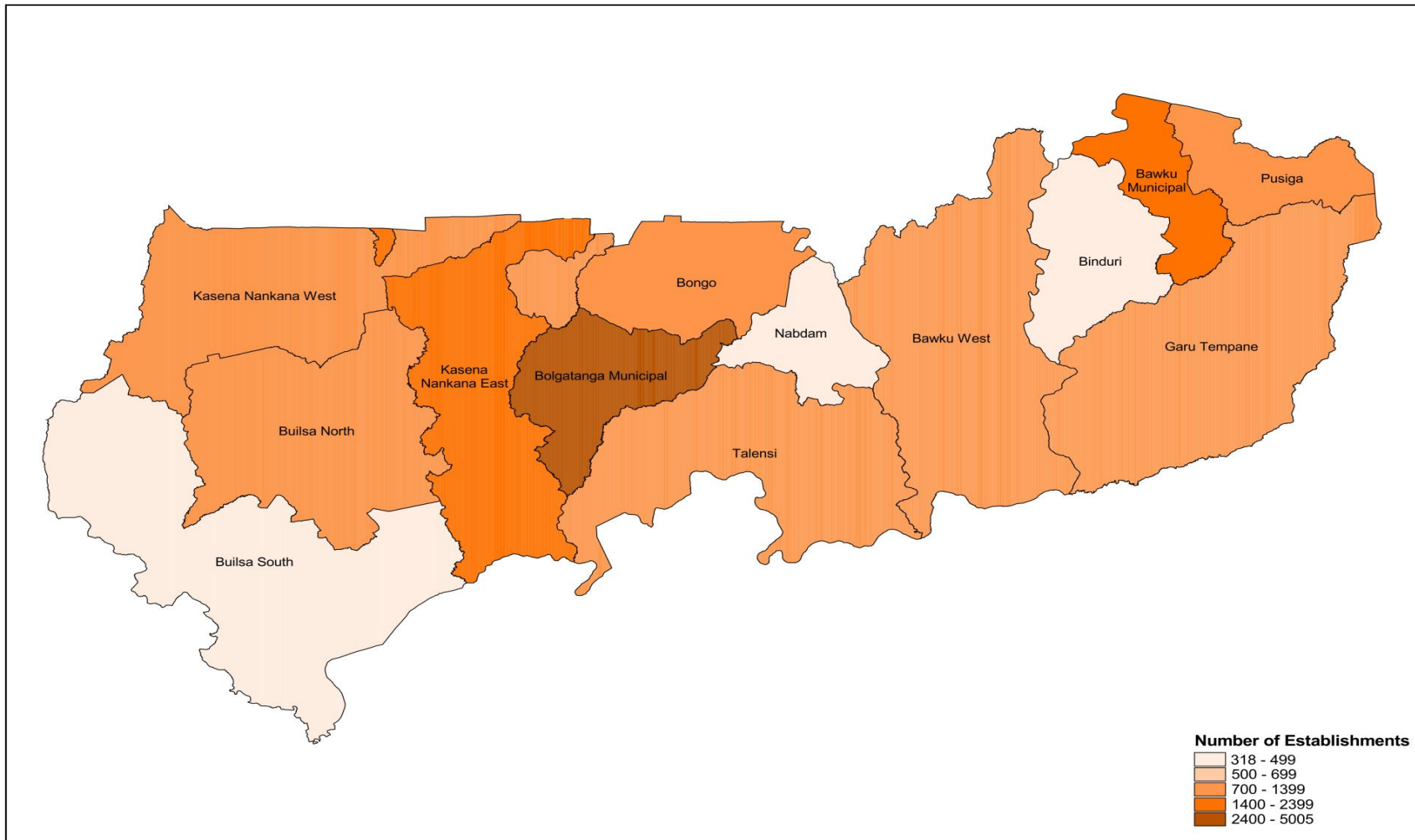
The distribution of establishments at the sectoral level reveals that the services sector has majority of establishments within the districts in the region. Bolgatanga Municipal which is the regional capital, has the highest proportion of establishments in the services and industry sectors (28.6% and 32.1% respectively). The services sector constitutes more than four-fifths of establishments in Builsa North (84.7%) and about two-thirds in Pusiga district (65.9%). Even though there are 23 institutional agricultural establishments in the region, the Talensi, Bongo, Bawku, Builsa South and Pusiga districts do not have any of such establishments in the agriculture sector (Table A9.1).

The distribution of establishments according to formal and informal status shows that Bawku West (12.6%), Bawku Municipal (10.1%), and Bolgatanga Municipal (10.4%) are the only districts that have about one-tenth or more of its establishments operating as formal establishments. On the other hand, Nabdam district (99.5%) has the highest proportion of establishments operating in the informal sector (Table A9.7).

Analysis by the type of legal organization shows that a significant proportion of establishments in the region are operating under sole proprietorship (12,648), with more than half located in either Bolgatanga (3,908) and Bawku Municipal (1,839) or Kassena Nankana East (1,419). A total of 1,162 out of the 1,622 establishments operating under partnership agreement, representing 71.6 percent, is distributed among Bolgatanga Municipal (563), Bawku Municipal (212), Kassena Nankana East (218) and Kassena Nankana West (169). In the case of Other Government Institutions/MDAs (1,387), almost half are located in Bolgatanga (190), Garu Tempene (212), and Bongo (218). Additionally, more than sixty percent of the 563 Non-governmental organizations are located in Garu Tempene (142), Bawku Municipal (106), Bawku West (67), and Bolgatanga (59). (Table A9.8).

The distribution of LMSM establishments across the districts shows that the concentration is in three districts. More than half of the 13,460 micro-sized establishments in the region are either located in Bolgatanga (3,978), Bawku Municipal (1,923) or Kassena Nankana East (1,544). Similarly, majority of the 3,358 small-sized establishments are in Bolgatanga (946), Bawku Municipal (425) and Kassena Nankana East (263) districts. A similar distribution pattern is observed for these three districts in respect of large-sized (67) and medium-sized (169) establishments in the region (Table A9.5).

**Figure 1.10: Spatial distribution of establishments located in the Upper East Region by district**



### **3.10 Spatial distribution of establishments in Upper West Region**

The Spatial distribution of establishments in the region by district, as depicted in Figure 1.10, indicates that out of the 13,728 establishments in the region, close to forty percent are located in Wa Municipal (5,370). The Jirapa (1,362) and Nadowli-Kaleo (1,117) districts have about one-tenth of the establishments each, whereas Sissala East (1,015) and Wa West (997) have almost the same share of seven percent each. The remaining districts have less than six percent share each.

The sectoral distribution indicates that almost half of the establishments (3,053) operating in the industry sector are either located in Wa Municipal (1,166) or Jirapa district (317). Similarly, about two-fifths (39.4%) of the services sector establishments (10,630) are located in Wa Municipal (4,191) and Jirapa (1,045). Majority of establishments in the agriculture sector (45) are located in Wa Municipal (13), Nandom (9) and Nadowli-Kaleo (8) districts (Table A10.1).

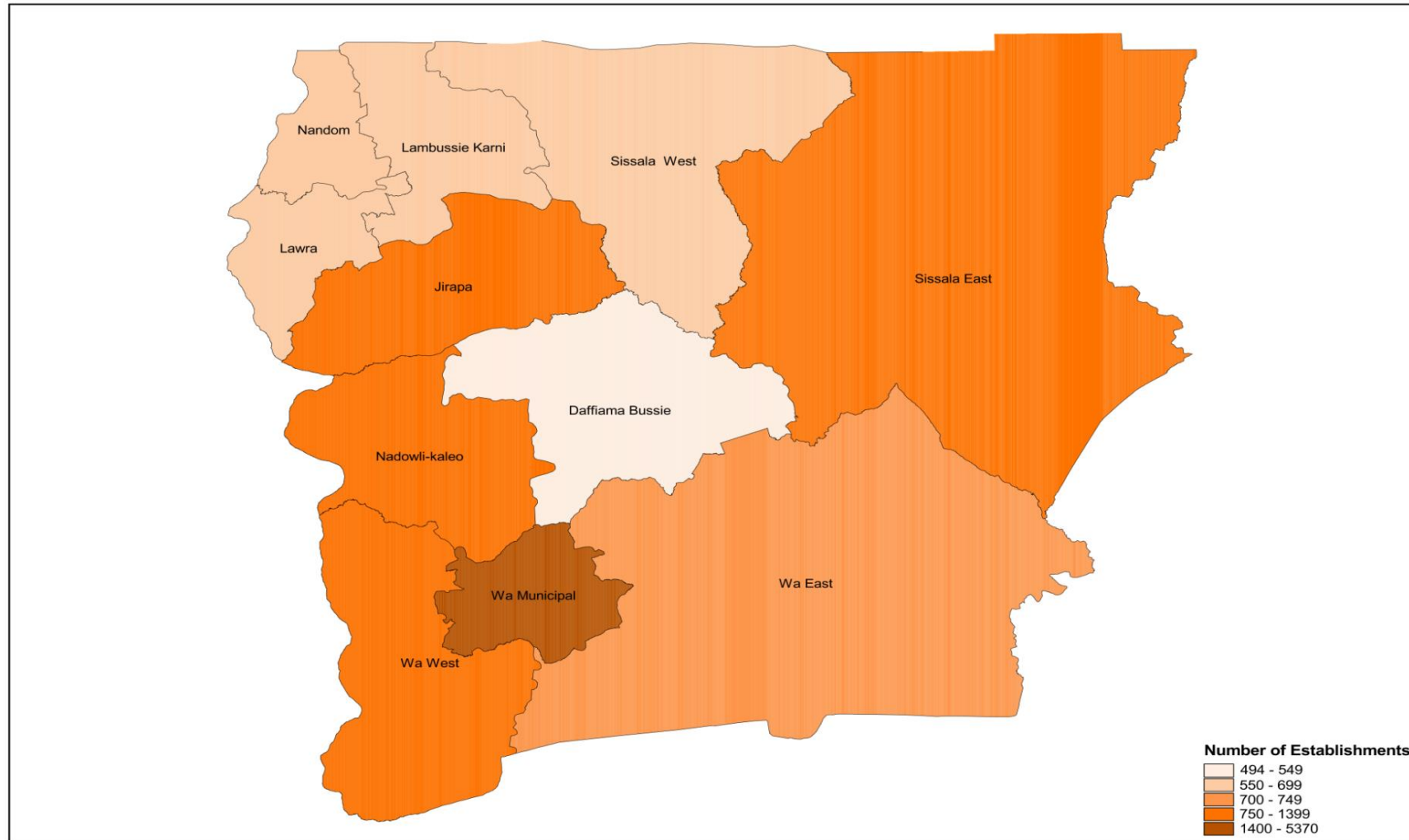
In terms of formal and informal status, only two districts, Wa Municipal (10.1%) and Lawra (9.3%) districts have about one-tenth of their establishments operating as formal organizations. The Daffiama Bussie district, on the other hand, is predominantly informal, having a total of 492 (99.6%) of informal establishments (Table A10.7).

The most common legal status of establishments in the region is sole proprietorship (10,279). Others are partnership (1,120) and MDAs (1,052). The distribution of each of these establishments shows that they are concentrated in Wa Municipal and Jirapa (Table A10.8). Specifically, more than half of sole proprietorship establishments are either located in Wa Municipal (4,416) or Jirapa (1,046) district.

The distribution of LMSM establishments indicates that micro-sized and small-sized establishments constitute the majority of the establishments in the region. Almost half of micro-sized establishments (11,356) are located in Wa Municipal (4,409) and Jirapa (1,169). In the case of large-sized establishments, about half (14 out of a total of 31) are located in Wa Municipal while Sissala West, Lambussie Karni and Daffiama Bussie have none. Similarly, most of the medium-sized establishments (112) are located in Wa Municipal (43), Wa East (14) and Sissala East (12), whereas Sissala West has only one (Table A10.5).



**Figure 1.11: Spatial distribution of establishments located in the Upper West Region by district**



## **CHAPTER FOUR**

### **SPATIAL DISTRIBUTION OF PERSONS ENGAGED**

#### **4.1 Spatial distribution of persons engaged by establishments in Western Region**

The spatial distribution of persons engaged by establishments located in the Western region by district is illustrated in Figure 2.1. The Figure shows a skewed distribution of persons engaged by establishments in the region. About one-third (32.4%) of the total number of employed persons (334,433; 108,313) work in establishments located in the Sekondi-Takoradi Metropolis (108,313). A tenth of the persons engaged are in Tarkwa Nsuaem Municipal (33,419), followed by Prestea/Huni Valley (23,045), Jomoro (13,547), Aowin (13,490) and Bia West (13,860). Each of the rest of the districts contributes less than four percent to the total number of persons engaged by establishments in the region.

An analysis of persons engaged by the various sectors reveals that the services and industry sectors had majority of the persons engaged by establishments in each of the districts. The proportion of persons engaged by establishments in the services sector ranges from 57.7 percent in Tarkwa Nsuaem to 93.6 percent in Wassa Amenfi East. In Mpohor district and Tarkwa Nsuaem Municipal, relatively higher proportions (43.2% and 42.3% respectively) of the engaged persons work in the industry sector. Mining activities in Tarkwa Nsuaem Municipal may have accounted for a significant number of persons engaged in establishments in the industry sector. The Sekondi Takoradi Metropolis (5.9%) and Wassa East (5.8%) district, however, have relatively higher proportions of persons engaged in agriculture (institutional).

There are higher proportions of males than females employed within the districts. For instance, establishments in the agriculture and services sectors engage more males than females. On the other hand, females engaged in industrial establishments in seven districts, Suaman (57.1%), Bodi (62.0%), Bia East (67.2%), Juaben (59.1%), Bia West (60.2%), Wassa East (51.7%), and Nzema (51.6%) consistute more than half the total number of persons engaged.

The distribution of persons engaged according to LMSM establishments indicates that about one-third of the total number of persons engaged by establishments in the region is in micro-sized (113,689) establishments; almost one-third is in small-sized (97,494) and the remaining are distributed over large-sized (80,210) and medium-sized (43,040) establishments. Similarly, at the district level, micro-sized establishments engage more than the other size categories, with proportions ranging from 36.0 per cent in the Ahanta West district to 55.0 per cent in the Bodi district (Table A1.18).

With regard to status in employment, in most of the districts, two out of every ten persons engaged in each of the LMSM establishments have temporary status. It is worth noting that higher proportions of persons engaged by large-sized establishments in Juabeso (42.1%) and Bia West (55.7%) districts are temporarily engaged. Similarly, significant proportions of persons engaged by medium-sized establishments in Bodi (56.2%) and Bia East (48.8%) districts have temporary status (Table A1.19).

In terms of the distribution of persons engaged by type of legal organization, sole proprietorship establishments engage the highest proportion of the workforce in the districts,

except Wassa East, Tarkwa Nsuaem Municipal and Mpohor district. The proportions range from 55.4 percent in the Sefwi Wiawso district to 38.0 per cent in the Juabeso district (Table A1.20).

**Figure 2.1: Spatial distribution of persons engaged by establishments located in the Western Region by district**



## 4.2 Spatial distribution of persons engaged by establishments in Central Region

Figure 2.2 depicts the spatial distribution of persons engaged by establishments located in the Central region by district. The Figure shows that about fifteen percent (15.1%) of the 232,078 persons engaged by establishments in the region are in the Cape Coast Metropolis (35,073). This is followed by Gomoa East (16,734) and Awutu Senya East (16,654) districts. The establishments in the Agona West Municipal (15,316), Assin North Municipal (14,952), Upper Denkyira East Municipal (13,078), Mfantsiman (11,939) and Ajumako-Enyan-Essiam (10,271) also engage relatively high numbers of persons. Relative to other districts, the higher number of persons engaged in the Cape Coast Metropolis may be attributed to the concentration of establishments in the Metropolis.

Analysis of persons engaged by sector indicates that very large proportions of persons engaged by establishments in each district are in the services sector. The proportions range from 65.2 percent in Twifo Ati Morkwa district to 95.4 percent in Ekumfi district. More than one-fifth each of the persons engaged in Cape Coast Metropolis, Twifo Ati Morkwa and Twifo Heman Lower Denkyira districts are in establishments in the industry sector. Again, Twifo Ati Morkwa district has the highest proportion of persons engaged in establishments in the agriculture (institutional) sector (Table A2.13).

The distribution of persons engaged by sex in each of the sectors shows that there are more males than females. Apart from institutional agriculture which is male dominated in all districts, the distribution of persons engaged in industry and services establishments exhibits a fair distribution among the sexes in some districts. More females than males are engaged in services sector establishments in Gomoa East (7,073 females against 6,963). Similarly, there is a fair distribution of persons engaged by sex in the industry sector establishments in Gomoa West (422 females against 405 males) and Twifo Heman Lower Denkyira (497 females against 461 males) districts. However, in Komenda-Edina-Eguafo-Abirem Municipal, females dominate the industry sector, accounting for 60.5 percent (Table A2.14).

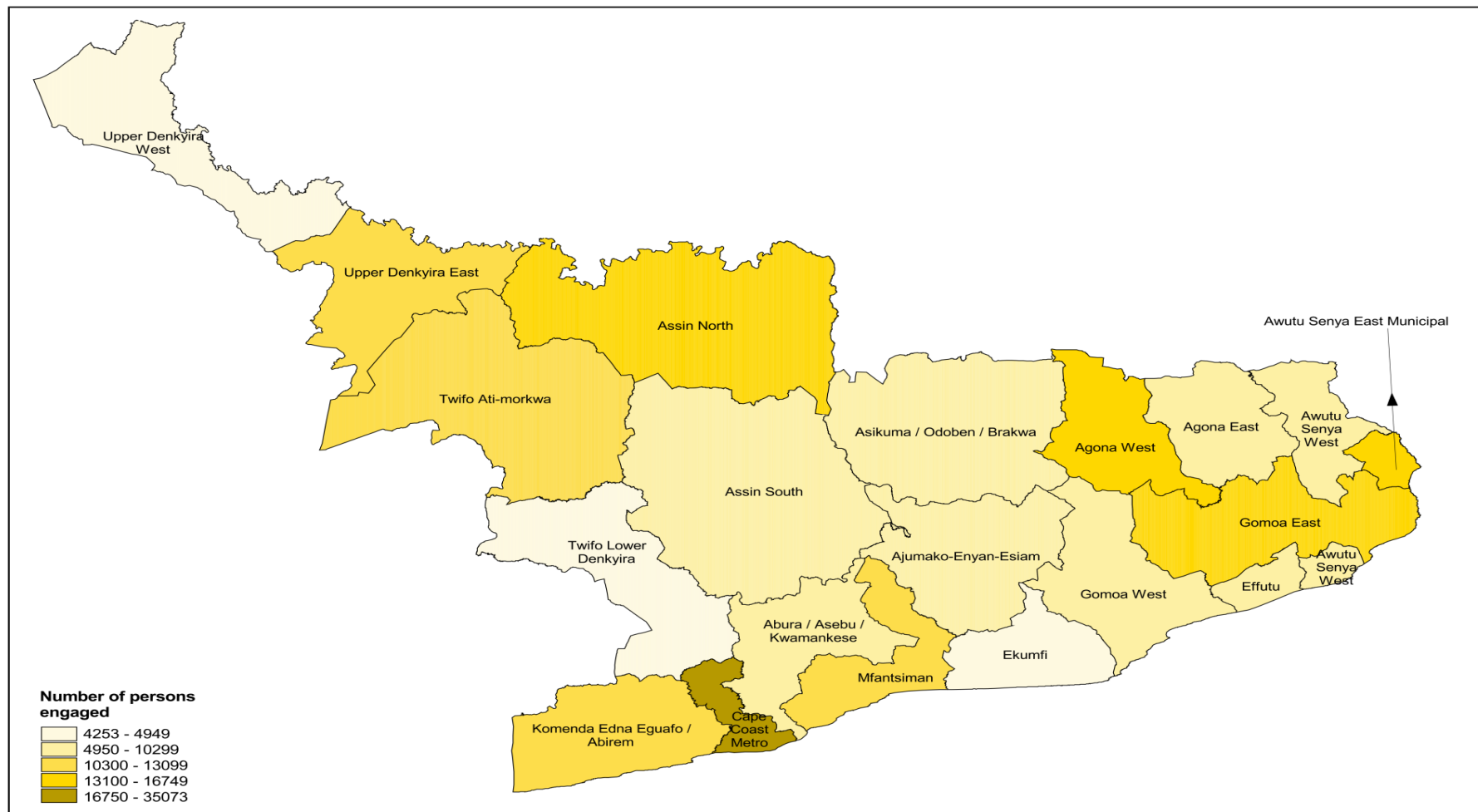
Micro-sized establishments engage relatively more persons than those in the other size categories. In most of the districts, the proportion of persons engaged by micro-sized establishments ranged between 32.0 percent and 56.0 percent. However, in Assin South and Twifo Ati Morkwa districts, small-sized establishments engage the most, with 42.5% and 37.7% respectively. It is worth noting that large-sized establishments are the second most important in the Cape Coast Metropolis, engaging 10,340 persons representing 29.5 percent of the persons engaged (Table A2.18).

In most of the districts, two out of every ten persons engaged in each of the LMSM establishments have temporary status. Nevertheless, in the Cape Coast Metropolis (38%), Mfantsiman (47%), Gomoa East (42%), Awutu Senya (48%) and Twifo Ati Morkwa (38%), more than one-third of the persons engaged have temporary status. In addition, about one-third of persons engaged by medium-sized establishments in the Asikuma-Odoben Brakwa (32.0%) and Twifo Heman Lower Denkyira (42.4%) districts are temporarily engaged (Table A2.19)

An analysis of the legal status of establishments in which persons were engaged reveals that more than three-quarters of the total number of persons engaged were in establishments that operate as sole proprietorship, Ministries, Departments and Agencies (MDAs), and Non-

Governmental Organizations (NGOs). For instance, 84.8 percent of persons engaged in Ajumako-Enyan-Essiam district (10,271) are in establishments that operate as either sole proprietorship (3,482), Ministries, Departments and Agencies (3,135), or Non-Governmental Organizations (2,094). Private Limited Company by Guarantee was the second major employer of the workforce in Cape Coast Metropolis and Ewutu Senya district. (Table A2.20)

**Figure 2.2: Spatial distribution of persons engaged by establishments located in the Central Region by district**



### 4.3 Spatial distribution of persons engaged by establishments in Greater Accra Region

Figure 2.3 depicts the spatial distribution of persons engaged by establishments located in the Greater Accra region by district. Similar to the distribution in the Western and Central regions, there is a skewed distribution of persons engaged by establishments in the region. This is expected since most establishments in the region are located in the regional capital. The data indicate that almost three-quarters of the total number of persons engaged (1,284,336) are in the Accra Metropolis (776,766), followed by the Tema Metropolis (160,239). The other districts engaging relatively high number of persons are La Dade Kotopon Municipal (49,619), Ga South Municipal (43,819), Ledzokuku/Krowor Municipal (41,432), Adenta Municipal (39,435) and Ga West Municipal (35,194). It is noted that establishments in Ga East Municipal (27,760), Ashaiman Municipal (24,312), La Nkwantanang Madina Municipal (22,920) and Kpone Katamanso (18,635) district engage more than twenty thousand persons each.

In terms of sector, the services sector establishments engage more than three out of every five persons engaged in each of the districts compared to the industry and agriculture sectors, except Shai Osudoku, where institutional agriculture establishments (2,049) is the most important, engaging almost half (47.0%) of the employed persons.

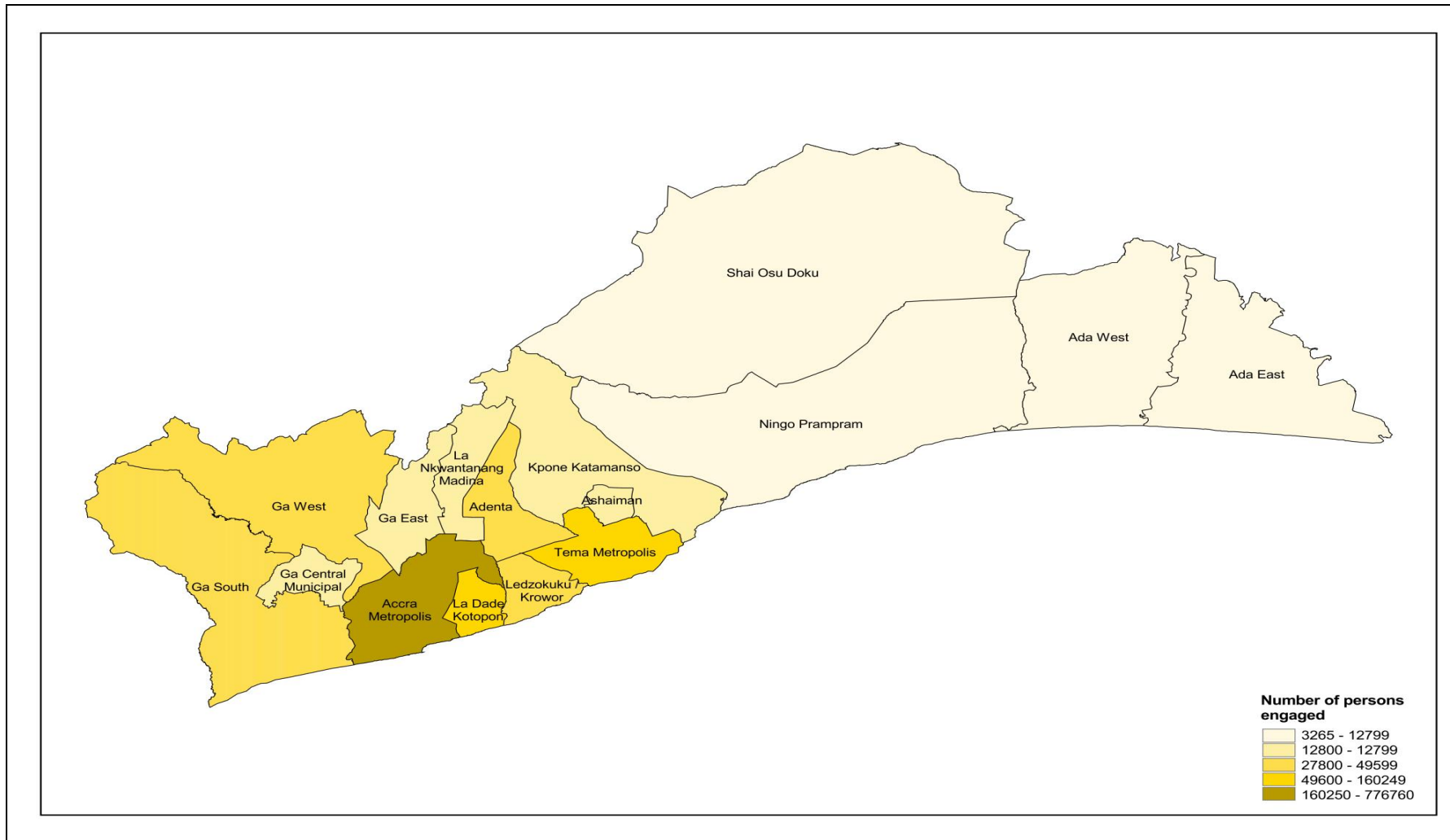
The distribution of persons engaged by sex in the districts indicates that generally, there are more males than females, however in some districts females dominate. Sectorally, the data show that within each district, the distribution varies by sector. Out of the total number of persons engaged in the services sector, five districts (Ashaiman Municipal - 51.3%, La Nkwantanang Madina Municipal - 51.3%, Kpone Katamanso- 51.4%, Ga West Municipal - 51.4%, and Ga Central Municipal - 55.2%) had more females than males. In most of the districts, males make up a larger proportion of persons engaged by establishments in the industry sector. However, in Ada East (52.0%), Ashaiman Municipal (53.2%), and Ada West (55.4%), more than half of the persons engaged in the industry sector are females.

Generally, in most of the districts micro-sized establishments engage relatively more persons than those in the other size categories. In Ashaiman Municipal and Ga Central Municipal, more than half (53.4% and 50.2% respectively) of the working population is engaged by micro-sized establishments. However, five districts, Accra Metropolis (49.0%), Adenta Municipal (33.7%), Tema Metropolis (43.6%), Shai Osudoku (55.5%) and La Dade Kotopon Municipal (42.2%) have relatively higher proportions of the working population engaged by large-sized establishments. It is worth indicating that, among the districts, only Ada East (48.1%) has majority of the working population (6,446) engaged by small-sized establishments. In each of the districts, medium-sized establishments have the least proportion of persons engaged (Table A3.18).

Information on the legal status of establishments reveals that majority of the persons employed in the region are engaged in establishments operating as sole proprietorship, and this is partly because of the large number of establishments operating in this category. The proportion of persons engaged in sole proprietorship establishments ranges from 44.8 percent in Adenta Municipal to 74.2 percent in Ashaiman Municipal. Private Limited Company by Guarantee establishments also have high numbers of persons engaged in the Accra Metropolis (776,766), Tema Metropolis (160,239), La Dadekotopon Municipal (49,619) and Shai Osudoku (4,359) district. Additionally, Private Limited Company by Guarantee establishments engage the second highest number of persons in the Ga West district. (5,341).



**Figure 2.3: Spatial distributon of persons engaged by establishments located in the Greater Accra Region**



#### **4.4 Spatial Distribution of Persons Engaged by Establishments in Volta Region**

The spatial distribution of persons engaged by establishments in the Volta region is illustrated in Figure 2.4. Similar to the distribution in the other regions, persons engaged by establishments is highly concentrated in the regional capital. The data indicate that more than one-fifth (22.5%) of the total number of persons engaged (171,827) in the region work in establishments located in Ho (25,892) and Hohoe (12,804) Municipal. Both Ketu South (17,155) and Keta Municipal (11,429) engage about 16.6 per cent, while the remaining districts engage less than five percent each.

With regard to the sectors of engagement, it is observed that generally, within the region, more than three-quarters of the total number of persons engaged are in services sector establishments. However, in North Tongu (28.9%), Krachi West (28.2%), Ketu South (23.8%), and Akatsi South (21.6%) districts, more than one-fifth each of the persons engaged work in the industry sector establishments. Among the districts, South Tongu (13.6%) had a relatively higher proportion of the engaged persons working in establishments in the agriculture sector (Table A4.13).

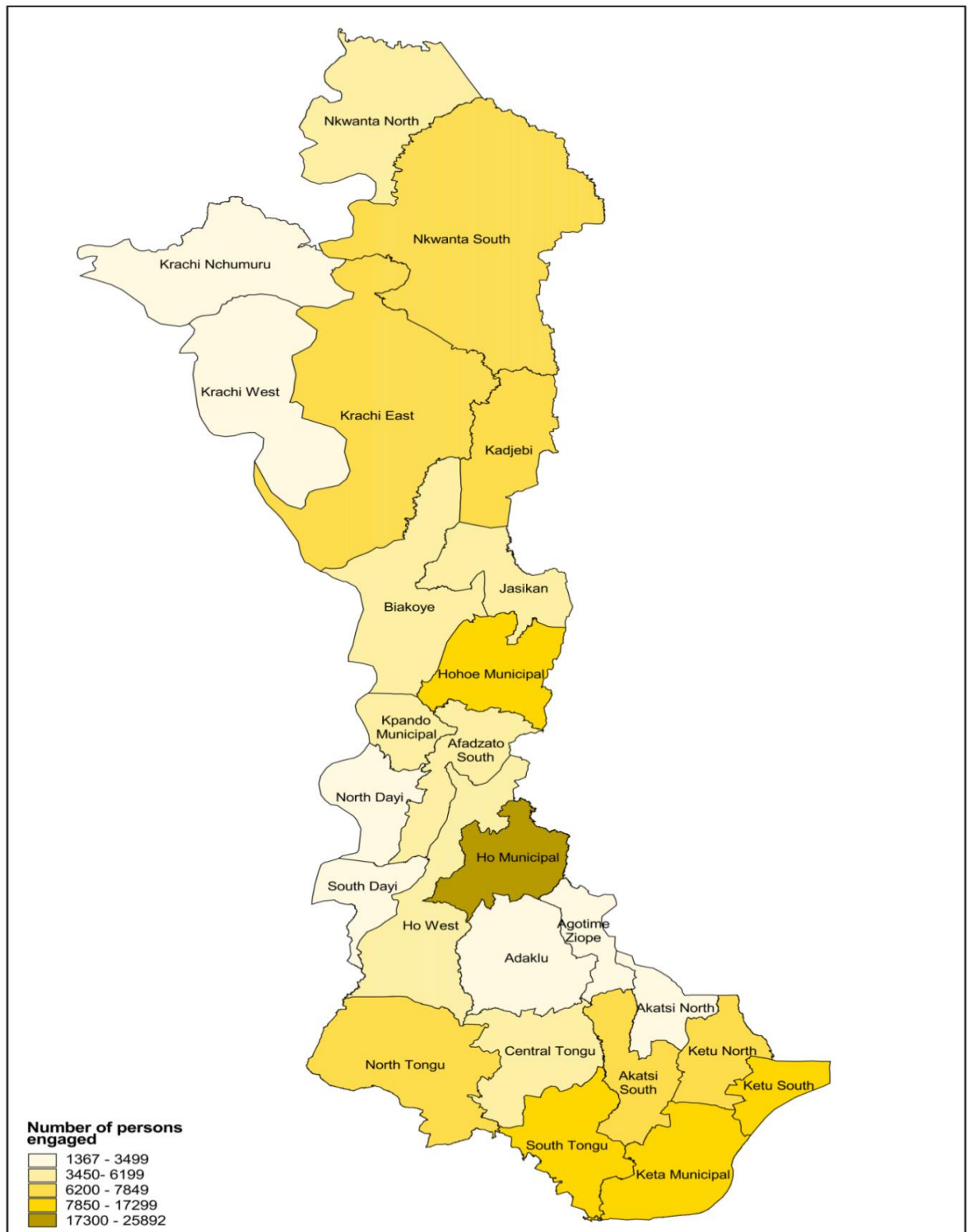
The sectoral distribution of the engaged population by sex shows that within the districts, males dominate in the services sector establishments, with proportions ranging from 51.9 percent in North Dayi to 67.7 percent in Nkwanta North. However, in the case of the industry sector establishments, the sex distribution is skewed towards females in South Dayi (50.7%), Krachi East (54.0%), and Nkwanta North (54.0%). (Table A4.15)

The distribution of persons engaged by LMSM establishments show that micro-sized establishments engage relatively more persons than establishments in the other size categories. However, in four districts - South Tongu (36.8%), Adaklu (52.8%), Ho West (42.6%), and Afadzato South (45.1%) - higher proportions of the persons engaged are in small-sized establishments. It is worth noting that relatively higher proportions of the working population are engaged by large-sized establishments in Krachi West (22.6%), North Tongu (29.4%) and Ho Municipal (25.7%). In Adaklu and Akatsi North districts, there are no large-sized establishments. Medium-sized establishments in the region engage the least number of persons; this trend is also observed in most of the districts.

In terms of the status of engagement, majority of the employed persons are permanently engaged in all districts. In fact, with the exception of Nkwanta North (30.8%) and Krachi Nchumuru (30.8%), where three of out of every ten persons engaged are temporary, in the rest of the districts there are low proportions of persons engaged on temporary basis. Among the LMSM establishments, a similar distribution pattern is observed. However, in Ketu North (39.1%) and Biakoye (57.0%) districts, very high proportions of the engaged population in the large establishments are temporary (Table A4.19).

Majority of the persons engaged in the region work in establishments operating as sole proprietorship, Ministries, Departments and Agencies (MDAs) and Non-Governmental Organizations, with more than seventy percent being recorded in all districts. For instance, majority (50.2%) of the persons engaged in Hohoe Municipal are in sole proprietorship (6,428), Ministries, Departments and Agencies (2,138) and Non-Governmental Organizations (1,588) establishments. However, in the North Tongu district, private limited company (1,432) establishments engage more persons than Non-governmental organizations (573).

**Figure 2.4: Spatial distributin of persons engaged by establishments located in the Volta Region by district**



## 4.5 Spatial Distribution of Persons Engaged by Establishments in Eastern Region

Figure 2.5 shows the spatial distribution of persons engaged by establishments in the Eastern region by district. The concentration of persons engaged by establishments in the districts is skewed towards the district with the regional capital. More than one-tenth (12.8%) of the total number of persons engaged by establishments in the region (255,639) are in New Juaben Municipal (32,640). This is followed by Birim Municipal (19,069), Kwahu West Municipal (15,338), East Akim Municipal (14,479), and Nsawam Adoagyiri Municipal (14,289). Establishments in five other districts engaged a little over ten thousand persons; these are Akwapem North (12,588), Suhum Municipal (12,384), Kwaebibirem (11,992), Asuogyaman (11,854) and Lower Manya (10,729). Each of the remaining districts has establishments engaging less than ten thousand persons.

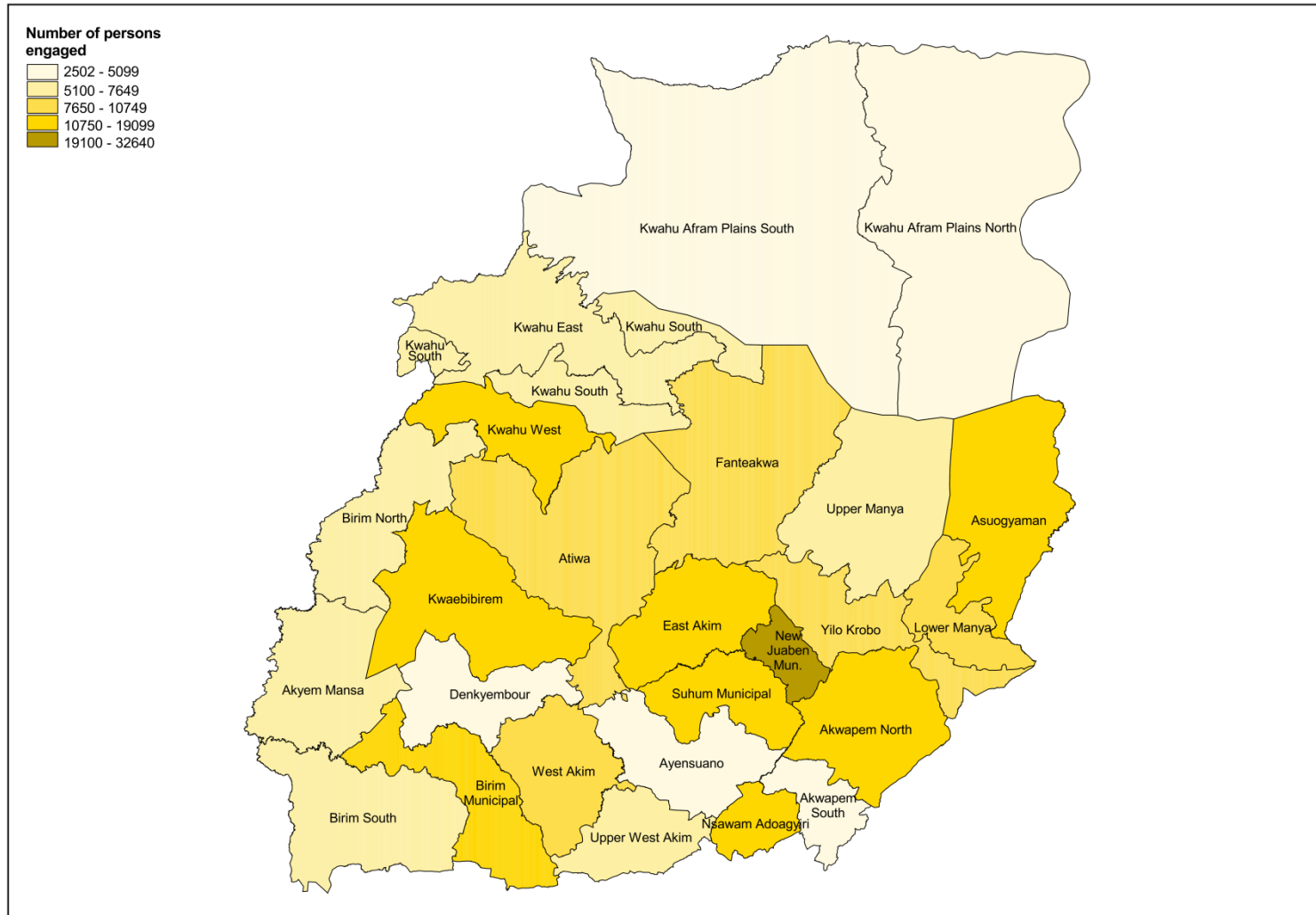
The distribution of persons engaged by sector reveals that establishments in the services sector engage majority (more than 70 %) of the employed population. It is worth indicating that within the districts; about eight out of every ten persons employed either work in the services or industry sector establishments. However, in Kwaebibirem and Asuogyaman, institutional agriculture establishments engaged 22.0 percent and 10.9 percent respectively, of persons engaged in the districts (Table A5.13).

The distribution of persons engaged by sex shows that there are more males than females in each of the districts. This distribution pattern is similar for the persons engaged in the services and agriculture sector establishments. However, in the case of industry sector establishments, the proportion of females engaged in Kwahu South (51.7%) and Kwahu East (50.6%) is higher than males (Table A5.15).

In most of the districts in the region, one out of every ten persons engaged in each of the LMSM establishments has temporary status. Again, more than six out of every ten persons engaged are in either micro-sized or small-sized establishments. While least proportions are engaged by medium-sized establishments in Nsawam Adoagyiri Municipal (28.1%), Asuogyaman (32.6%), East Akim Municipal (26.6%), Kwahu Afram Plains North (27.2%) and Denkyembuor (28.3%) districts, there seems to be equity in the distribution of persons among the LMSM establishments in Birim South, with about one-quarter each. In general, micro-sized and small-sized establishments engage more persons than large-sized or medium-sized establishments (Table A5.19).

Within the region, almost half (48.4%) of the persons engaged work in establishments that operate under sole proprietorship. This is followed by Other Governmental Institutions (i.e., Ministries, Departments and Agencies) (16.7%), and Non-Governmental Organizations (10.1%). Establishments operating under the other forms of legal organization engage less than ten percent each. At the district level, the distribution in each of the districts also indicates that establishments operating under sole proprietorship establishments engage relatively high proportions of the employed compared to the others. For instance, in West Akim Municipal, sole proprietorship establishments (5,117) engage more than three times the number of persons engaged by Non-governmental Organizations (1,322) and Ministries, Departments and Agencies (1,396) (Table A5.20).

**Figure 2.5: Spatial distribution of persons engaged by establishments located in the Eastern Region**



## **4.6 Spatial distribution of persons engaged by establishments in Ashanti Region**

A spatial distribution of the persons engaged by establishments in the Ashanti region by district is illustrated in Figure 2.6. The region has close to half (46.6%) of its total number of persons engaged in establishments within the Kumasi Metropolis (251,811). This is followed by Obuasi Municipal (27,879), Asokore Mampong Municipal (22,001), and Ejisu Juaben Municipal (18,182). Appreciable numbers of persons are also engaged by establishments in Kwabre East (16,698), Afigya Kwabre (14,035), Bekwai Municipal (13,491), Amansie West (12,373), Mampong Municipal (11,277) and Afigya Sekyere (10,559).

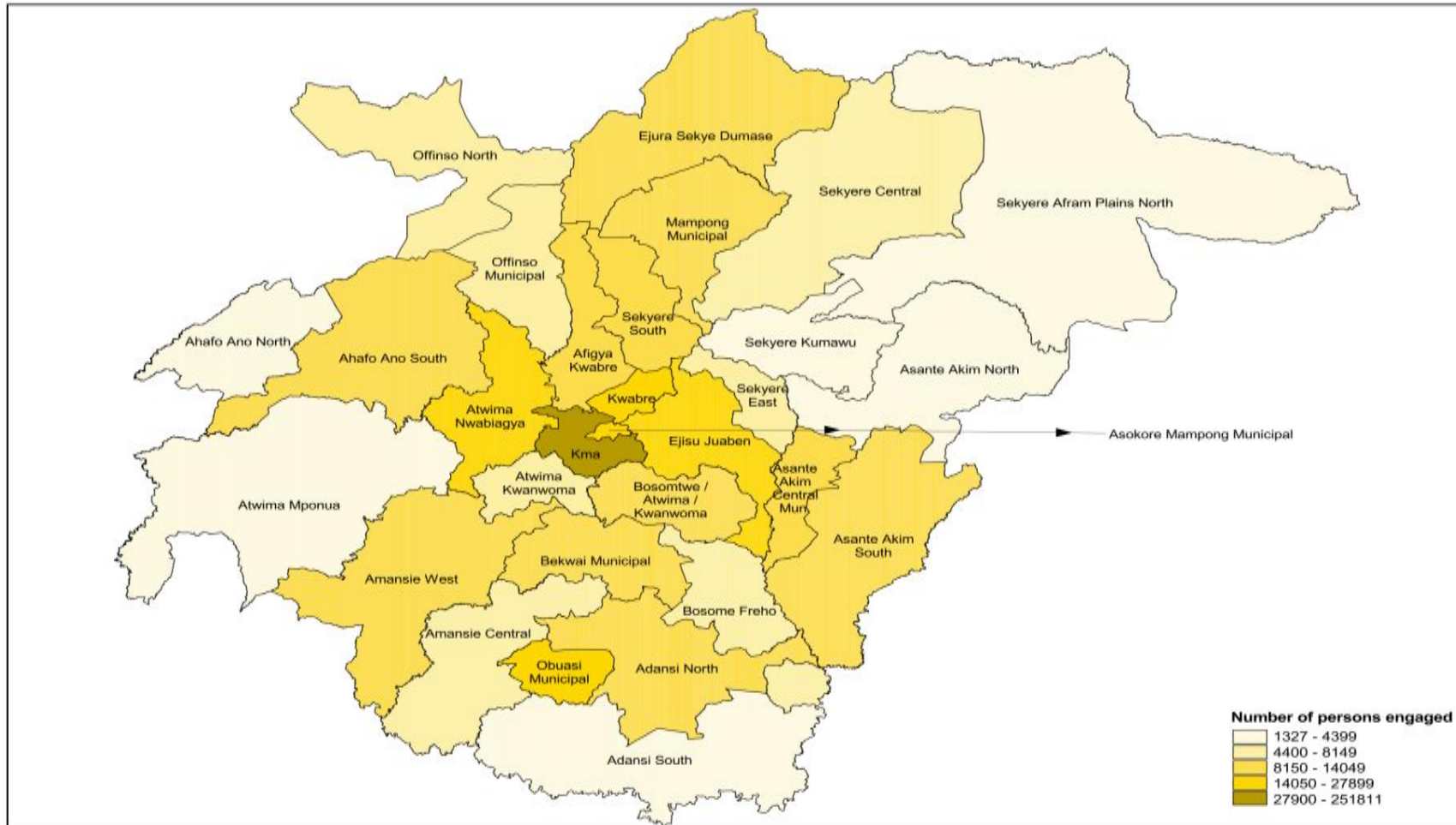
Across the districts, services sector establishments engage more than three-quarters each of the total number of persons engaged. Offinso Municipal and Afigya Sekyere districts have the highest proportions of persons engaged by the agriculture and industry sectors, accounting for 28.7 percent 20.7 percent respectively (Table A6.13).

The distribution of persons engaged by sex shows that males dominate in each of the districts except Atwima Kwabre district where the proportion of females (50.6%) is higher than males. Males also dominate the agriculture sector in each of the districts, with the proportion of males ranging between 67.6 percent and 100 per cent. Only three districts, Bosumtwi (50.6%), Atwima Kwanwoma (53.9%) and Afigya Kwabre (51.6%) had more than half each of the persons engaged by services sector establishments being females. Similarly, in Ejura Sekyedumasi (50.8%), Offinso North (50.4%) and Asante Akim North (52.1%), the proportion of females engaged in industry sector establishments is higher than males (Table A6.14).

The distribution of persons engaged by LMSM establishments shows that generally, micro-sized establishments engaged relatively more persons than the other categories of establishments. Additionally, in most of the districts, one out of every ten persons engaged in each of the LMSM establishments have temporary status. However, in Bosome Freho, a total of 195, representing 97.5 percent of persons engaged by large-sized establishments, are temporary (Table A6.19).

In the districts, majority (more than 70.0%) of the engaged work in establishments that operate as sole proprietorship, Other Governmental Institutions (MDAs), and Non-governmental Organizations (NGOs). In particular, high proportions of the persons engaged, ranging from 29.4 percent in Sekyere Afram Plains North to 65.0 percent in Obuasi Municipal, work as sole proprietorship establishments. The proportions of persons engaged by Ministries, Departments and Agencies (MDAs) ranges from 3.8 percent in Asokore Mampong Municipal to 30.5 percent in Adansi South. Similarly, the proportion of the employed persons working for Non-governmental Organizations ranges from 0.9 percent in Atwima Kwanwoma to 30.9 percent in Bosome Freho district (Table A6.20).

**Figure 2.6: Spatial distribution of persons engaged by establishments located in the Ashanti Region**



#### **4.7 Spatial distribution of persons engaged by establishments in Brong Ahafo**

Figure 2.7 illustrates the spatial distribution of the persons engaged by establishments in the Brong Ahafo region by district. Unlike the other regions where the distribution of establishments was highly skewed towards the district with the regional capital, in the case of the Brong Ahafo region, some other districts have very large numbers of persons engaged. The distribution of the 230,809 persons engaged by establishments in the region shows that more than one-tenth of the persons engaged are in the Sunyani (34,250) and Techiman (23,508) Municipalities. Other districts with appreciable numbers of persons engaged are Asunafo North (15,573), Wenchi (11,856) and Berekum (10,972) Municipalities. The remaining districts have less than five percent each.

With regard to the sectoral distribution, majority of the persons engaged by establishments in each district are in the services sector. The proportion engaged in the services sector ranges from 58.5 percent in Asutifi North to 89.4 percent in the Atebubu Amantin district. Asutifi North (9.7%) has the highest proportion of persons engaged in institutional agriculture sector and about one-quarter (26.3%) of those engaged in the industry sector (Table A7.13).

The distribution of persons engaged by sex indicates that within the services sector, with the exception of Sunyani West district which had more females than males (50.4% against 49.6%), each of the remaining districts engaged more males than females. In the agriculture sector, Nkoranza North (51.0%) and Kintampo South (87.9%) are the only districts that engaged more females than males. Similarly, in nine districts, Dormaa Central Municipal (60.3%), Tano South (55.1%), Jaman South (51.5%), Jaman North (53.0%), Tain (62.1%), Nkoranza South (55.5%), Atebubu Amantin (51.9%), Kintampo South (62.9%) and Techiman North (68.4%), larger proportions of persons engaged by establishments in the industry sector were females (Table A7.15). This may be attributed to female involvement in agro-processing.

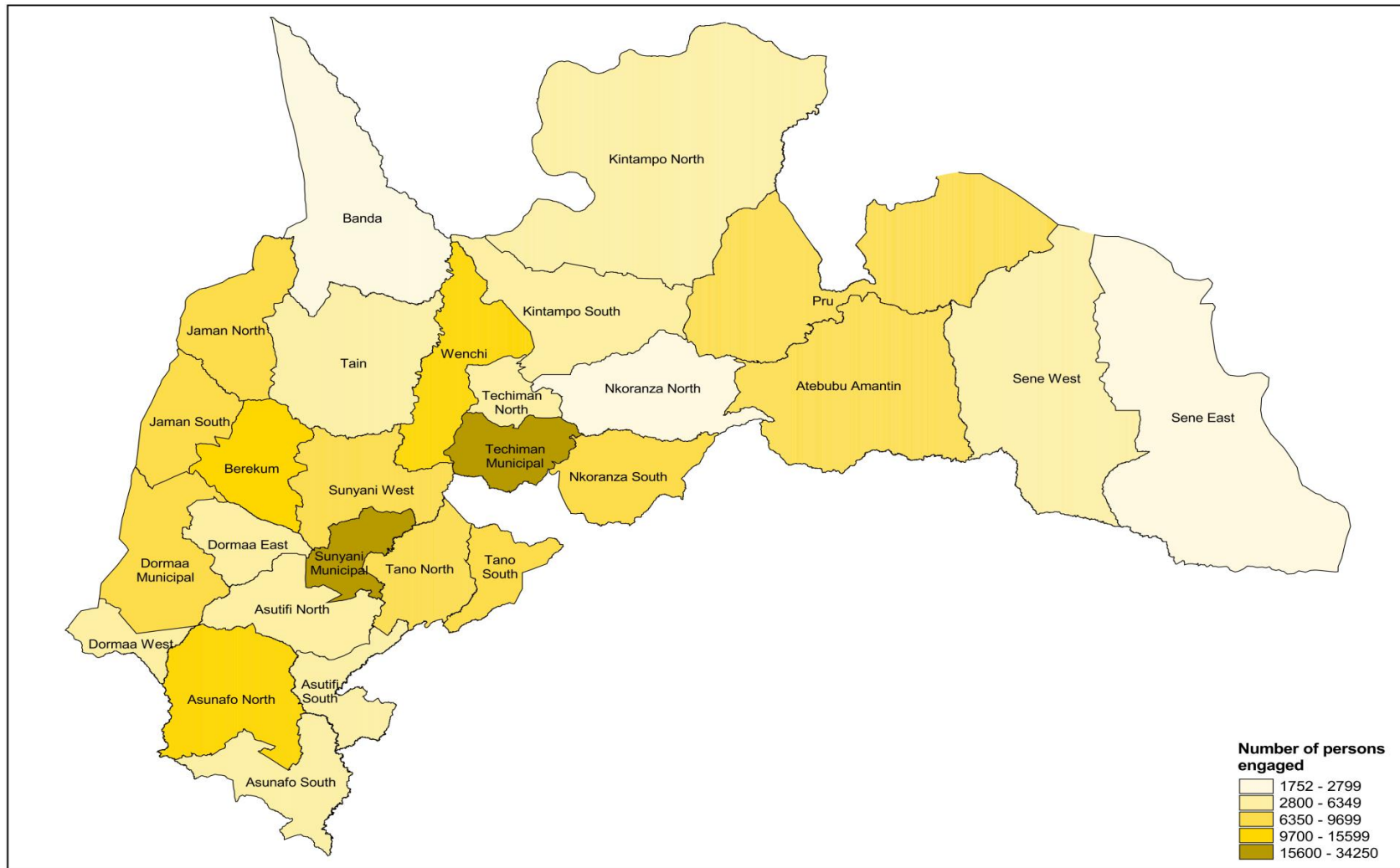
The distribution of persons engaged by LMSM establishments shows that, within the districts, the number of persons engaged by small-sized and micro-sized establishments constitute more than two-thirds of the total number of employed persons. It is worth indicating however that, seven districts - Asunafo North Municipal (33.2%), Sunyani Municipal (23.2%), Jaman North (22.5%), Wenchi Municipal (28.8%), Sene West (25.0%), Kintampo North Municipal (22.8%) and Banda (23.0%) district - have more than one-fifth of the engaged persons working in large-sized establishments.

Majority of the districts have more than three-quarters of persons engaged by LMSM establishments having permanent status of engagement. The proportions range from 54.6 percent to 100 per cent. On the other hand, significant proportions of persons engaged in Jaman South, Asunafo South and Sene West who are in large-sized (32.6%), medium-sized (45.4%) and small-sized (36.1%) establishments respectively, have temporary status of engagement (Table A7.18).



Information on the legal organization of establishments in the region shows that with the exception of Nkoranza North, sole proprietorship establishments engage more persons than the other categories of establishments in all the districts. For instance, 64.1 percent of the persons engaged by all establishments (23,508) in Techiman Municipal are in sole proprietorship establishments (15,057). In addition, in Berekum Municipal, sole proprietorship establishments (7,978) engage almost three-quarters of the total number of persons engaged. However, in Nkoranza North, Other Governmental Institutions (38.7%) engage more persons than the other categories of legal establishments. Furthermore, Other Governmental Institutions engage the second highest number of persons in most of the districts, with the proportions ranging from 8.1 percent in Techiman Municipal to 34.6 percent in Sene district (Table A7.20).

**Figure 2.7: Spatial distributon of persons engaged by establishments located in the Brong Ahafo Region**



#### **4.8 Spatial distribution of persons engaged by establishments in Northern Region**

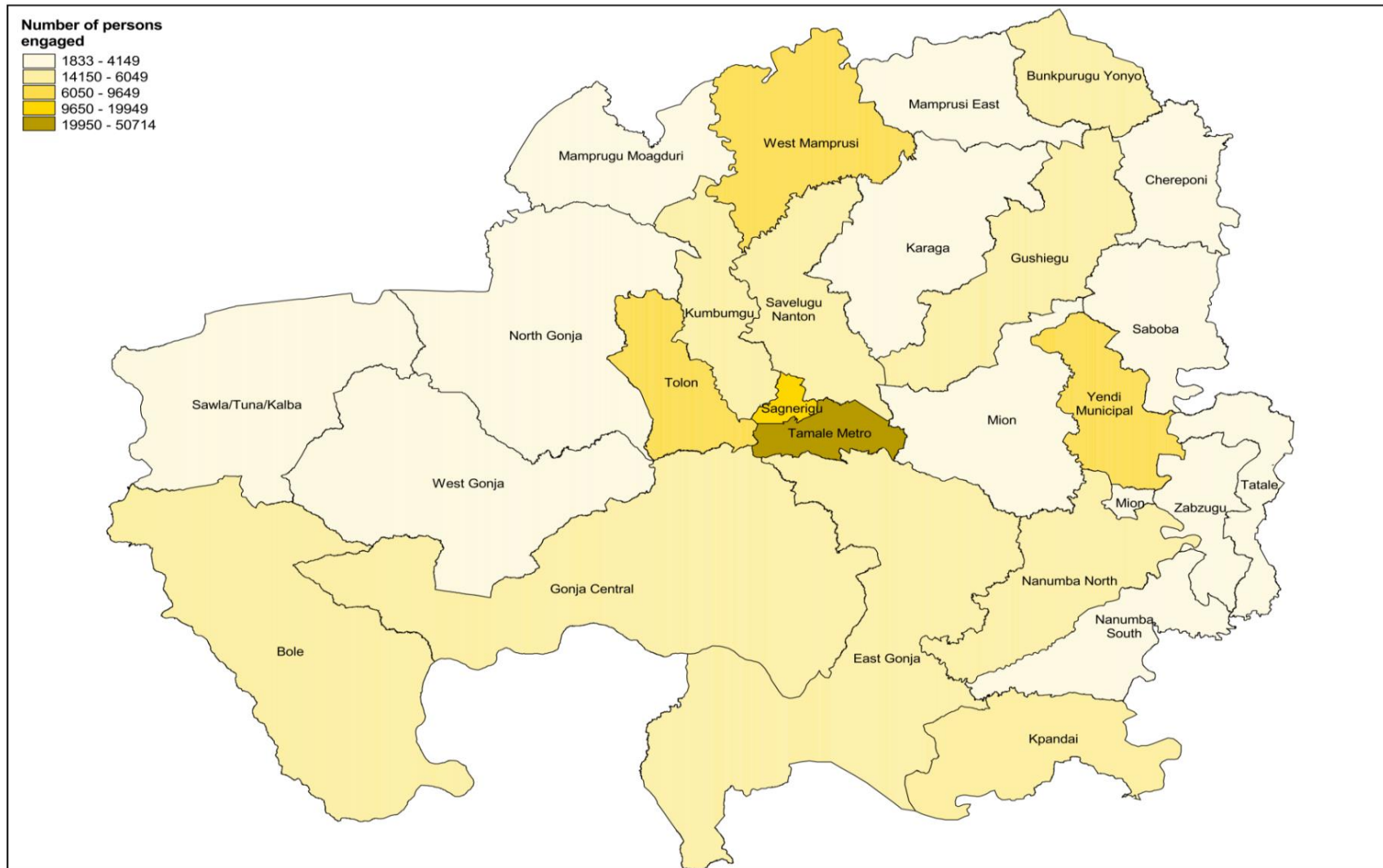
A spatial distribution of persons engaged by establishments in the region by district is shown in Figure 2.8. Tamale Metropolis (50,714) has more than one-quarter (27.7%) of the total number of persons engaged (183,375) by establishments in the region. This is followed by Sagnerigu Municipal (19,946) with one-tenth of the regional total. Yendi Municipal (9,625) and Mamprusi West (8,910) also have significant proportions of the total number of persons engaged while each of the remaining districts contributes less than five percent to the total number of persons engaged by establishments in the region. It is worth noting that, the spread is skewed towards the regional capital as it is the case for most of the other regions

The sectoral distribution of persons engaged by establishments reveals that in most of the districts, more than three-quarters are in the services sector. The proportions range from 69.8 percent in the Kumbungu district to 87.9 percent in the Bole district. Savelugu Nanton (3.0%) and Sagnerigu Municipal (2.9%) have relatively higher proportions of persons engaged in institutional agriculture. In the case of those engaged in industry, the Kumbungu (29.7%) district has the highest proportion of persons engaged in the district (Table A8.13).

Within the region, small-sized (71,304) and micro-sized (77,246) establishments engage more persons than large-sized (20,362) and medium-sized (14,463) establishments. The distribution of persons engaged by each of the LMSM establishments shows that almost half are in only four districts. Notably, 48.0 percent of persons engaged by micro-sized establishments are in Tamale Metropolis (18,676), Sagnerigu Municipal (6,503), Mamprusi (4,173) and Yendi (3,807) districts, while each of the remaining districts contributes less than three thousand to the total number of persons engaged by micro-sized establishments (Table A8.18).

With regard to legal status, it is noted that large proportions of the working population in the districts are engaged by sole proprietors, Other Governmental Institutions (MDAs) and Associations or Groups. Together, establishments with these legal status engaged at least 70 percent of the total number of persons engaged in each of the districts, except Kumbungu and Mion. For instance, majority (94.6%) of the total of 6,041 persons engaged in East Gonja district are engaged by establishments that are sole proprietorship (3,278), Other Governmental Institutions (1,541) and Association/groups (896). However, in the Mion district, the proportion of persons engaged by Non-governmental Organizations (23.4%) is higher than that of Associations/groups (2.9%) (Table A8.20).

**Figure 2.8: Spatial distribution of persons engaged by establishments located in the Northern Region**



## 4.9 Spatial Distribution of Persons Engaged by Establishments in Upper East Region

Figure 2.9 illustrates the spatial distribution of persons engaged by establishments in the Upper East region by district. The Figure indicates that more than half of the total number of persons engaged by establishments in the region (88,753), are in Bolgatanga Municipal (27,863), Bawku Municipal (11,956) and Kassena Nankana East (8,596). Also, Garu Tempone (6,364), Bawku West (6,305), Kassena Nankana West (5,586), and Bongo (5,224) districts have appreciable numbers of persons engaged by establishments. Each of the remaining districts contributes less than five thousand persons to the total number of persons engaged by establishments in the region. The phenomenon is similar to the situation in most regions where there is a concentration of persons engaged by establishments in the regional capital.

An analysis of the data by sectors shows that in each of the districts, at least seven out of every ten persons are engaged by services sector establishments. The industry sector establishments contribute appreciable proportions to the total number of persons engaged in Pusiga (30.3%) and Bongo (29.8%) districts. The Binduri district has the highest proportion (3.7%) of persons engaged in institutional agriculture (Table A9.13).

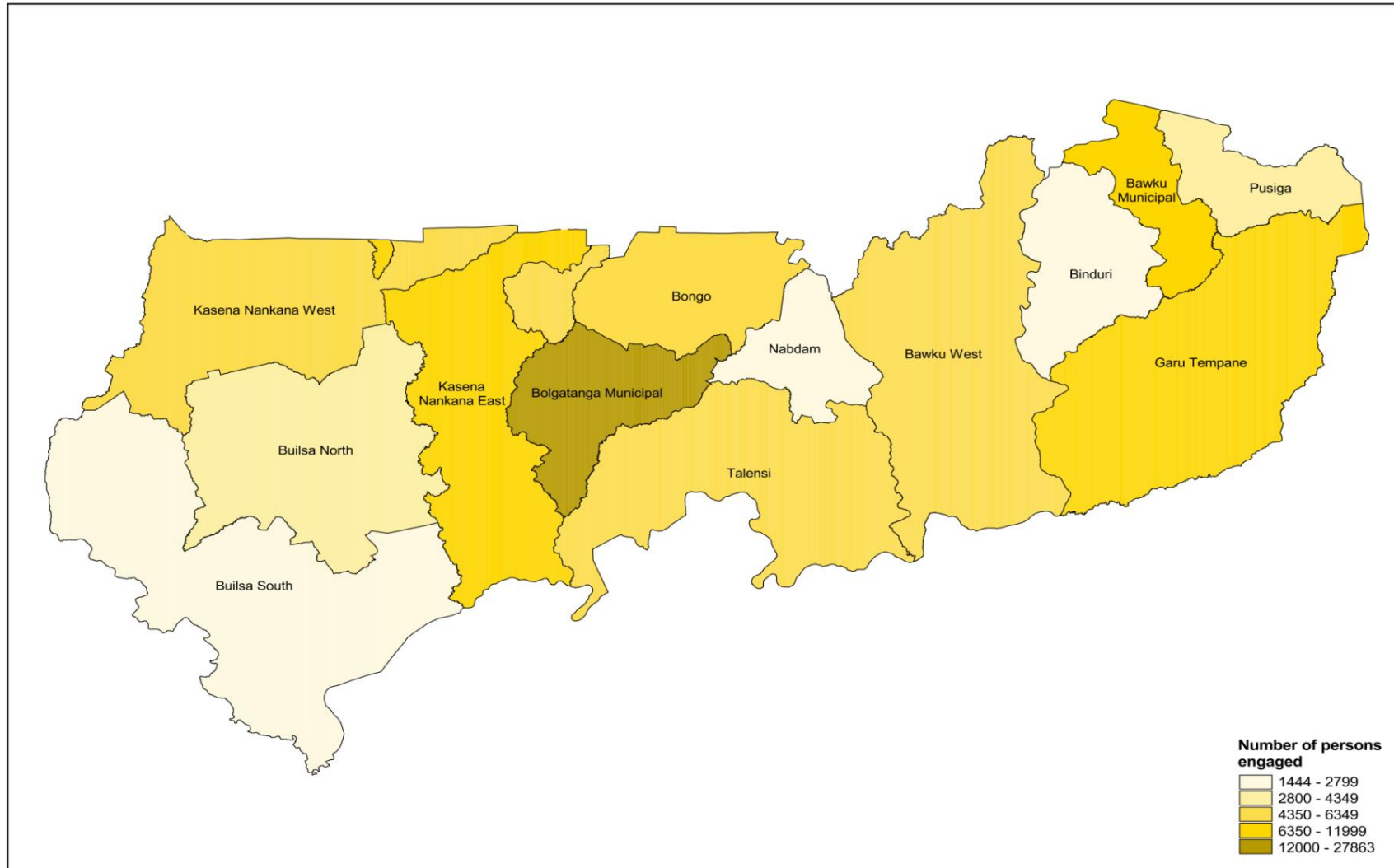
The distribution of persons engaged by sex is fair among the districts. Within the sectors however, there are variations in the sex distribution within the districts. For instance, in six districts, Builsa North (54.2%), Kassena Nankana West (65.3%), Kassena Nankana East (52.1%), Bongo (75.2%), Nabdam (77.0%) and Pusiga (65.5%), females dominate the industry sector workforce. This may be attributed to female involvement in agro-processing and craftwork. However, in the services sector establishments, only Nabdam (50.1%) and Talensi (52.8%) exhibit a relatively fair distribution in favour of females. Like other regions, institutional agriculture is mainly dominated by males across the districts (Table A9.15).

In terms of the distribution of persons engaged by LMSM establishments, generally, small-sized and micro-sized establishments contribute significantly, as in most districts they account for more than three-quarters of the total number of engaged persons. With the exception of Kassena Nankana East (39.8%), Bawku West (32.4%) and Bawku Municipal (38.5%) where micro-sized establishments engage more persons than other LMSM establishments, small-sized establishments engage relatively high proportions of the employed population. The proportion ranges from 35.7 percent in Bolgatanga Municipal to 55.7 percent in Binduri district. Nevertheless, in Bawku West and Talensi districts, significant proportions of the persons engaged are in large-sized establishments (26.4% and 24.6% respectively) (Table A9.18).

Generally, about three-quarters of the total number of persons engaged by establishments in the districts have permanent status. A similar pattern is observed for small-sized and micro-sized establishments. However, Bongo district (54.0%) and Kasena Nankana West (21.5%) have relatively lower proportions of persons engaged by large-sized establishments who have permanent status. Additionally, four in every ten persons engaged by medium-sized establishments in Binduri district have temporary status (Table A9.19).

In terms of the legal status of establishments, sole proprietorship, Other Governmental Institutions (MDAs) and partnership establishments engage majority of the total number of persons employed in the districts. Within the districts, at least seven out of every ten persons are engaged by establishments created under these legal agreements. Particularly, more than three-quarters (78.5%) of the total number of persons engaged in Bolgatanga Municipal (27,863) are either sole proprietorship (14,038), Other Governmental Institutions, MDAs (4,281) or partnership (3,546) establishments. It also worth mentioning that, in order of ranking, significant proportions of the persons engaged in the districts work in Non-governmental Organizations (NGOs), Private Limited Company by Guarantee, and Association/Groups (Table A9.20).

**Figure 2.9: Spatial distribution of persons engaged by establishments located in the Upper East Region**



#### **4.10 Spatial distribution of persons engaged by establishments in Upper West Region**

Figure 2.10 illustrates the spatial distribution of persons engaged by establishments in the Upper West region by districts. The Figure shows that out of 61,485 persons engaged by establishments in the region, about two-fifths (42.3%) are in the Wa Municipal (25,985). There are also appreciable numbers in Jirapa (5,137), Wa East (4,927), Sissala East (4,747), Nadowli Kaleo (4,406), and Wa West (4,133) districts. Each of the remaining districts contributes less than three thousand to the total number of the employed population.

Across the districts, very large proportions of the persons engaged are in the services sector establishments. The proportions range from 79.1 percent in Wa Municipal to 91.6 percent in Wa East district. Also, compared to other districts in the region, a relatively high proportion of persons engaged in Wa Municipal (20.1%) is in industry sector establishments. Similarly, the Sissala East (3.1%) district has the highest proportion of persons engaged in institutional agriculture (Table A10.13).

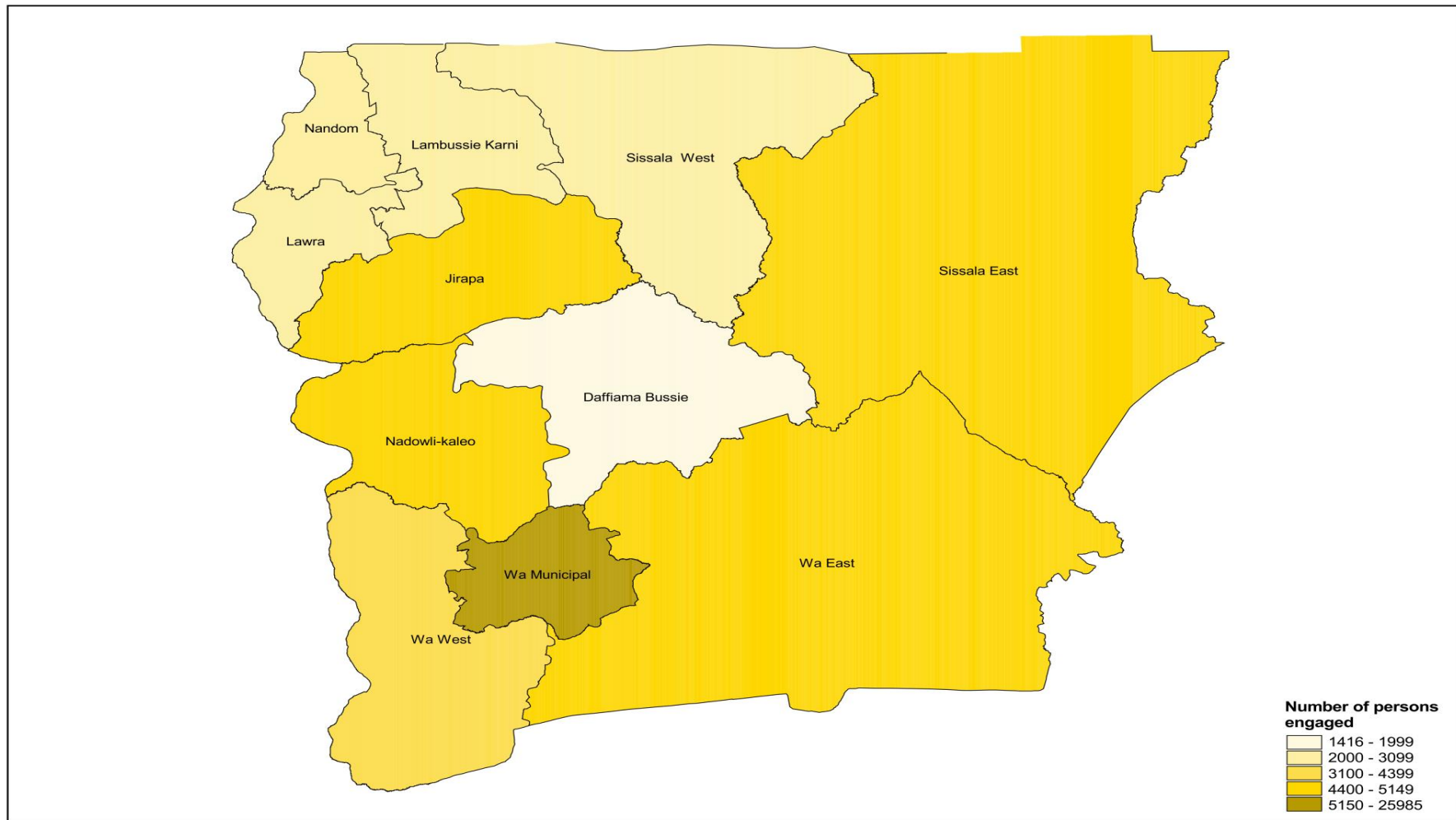
There are more males than females involved in the various sector activities. Within the services sector, the proportion of employed males ranges between 58.8 percent and 73.3 percent across the districts. The sex distribution of persons engaged by agriculture establishments follows a similar pattern for all districts, except Nandom, where about six out of every ten persons engaged are females. Furthermore, only Wa West (59.3%) and Jirapa (56.1%) have more females than males involved in industry sector activities (Table A10.15).

An analysis of the persons engaged by LMSM establishments reveals that, in most of the districts, more than three-quarters of the total number of persons engaged are either in small-sized or micro-sized establishments (Table A10.18). However, in Wa East, large-sized establishments engage almost one-third (1,590) of the workforce, followed by micro-sized (1,467) and small-sized (1,137) establishments. On the other hand, the number of persons engaged by micro-sized (10,485) establishments in Wa Municipal is about thrice that of large-sized (3,957) establishments.

With respect to the legal status of establishments, those operated under sole proprietorship have relatively high proportions of the persons engaged. The proportions range from 38.9 percent in Lawra district to 60.4 percent in Wa Municipal. In Wa East however, Associations or groups engage a higher proportion of total number of persons engaged compared to the other categories of legal arrangements. Specifically, almost half (46.4%) of the 4,929 persons engaged by establishments in Wa East are identified with Associations or groups while one-quarter (1,308) of those engaged by sole proprietorship establishments. Other Governmental Institutions (MDAs) also have relatively high proportions of the persons engaged in the districts, ranging from 13.0 percent in Wa Municipal to 38.9 percent in Daffiama district (Table A10.20).



**Figure 2.10: Spatial distribution of persons engaged by establishments located in the Upper West Region**



## **CHAPTER FIVE**

### **CONCLUSION**

The development of the non-household economy of any country is critical to growth and development if it is sustained. This is because the availability of quality employment through the provision of job creation opportunities within non-household settings is central to the well touted “human centred growth” which generally enhances sustainable development. The key to ensuring an effective and efficient policy planning and implementation that is geared towards the growth of businesses is the availability of quality data at the lowest level of planning and decision making. This report, therefore, provides adequate and requisite statistics on businesses located in all the districts of Ghana to help inform policy makers when planning and implementing programs to improve the non-household economy at the national, regional and districts levels.

A major key finding in this report is that there is over-concentration of non-household activities in regional capitals. This is an indication of the skewness of development at the regional level. This could be as a result of the lack of a concerted effort at ensuring that the environment required for businesses to thrive are present in districts that are not located in the regional capital. Furthermore, the findings reveal that in almost all the districts in Ghana, establishments in the services sector dominate over the other sectors in terms of their numbers and their contribution to employment within the non-household economy. Again, the report reveals that micro-sized and small-sized businesses far outnumber medium and large-sized establishments in almost all the districts in the country.

It is worth noting that, if the non-household economy is to contribute meaningfully to the growth and development of the districts of Ghana, then much effort is required to reverse the observed trend to ensure a relatively balanced economic growth across districts. It is a well known fact that when industry drives the economy, then human centred growth and development can be achieved. Therefore, planners in the districts must make a concerted effort at implementing programs that would provide the requisite infrastructure to facilitate the expansion of the industry sector in Ghana.

## APPENDICES

**Table A1.1: Distribution of establishments by sector and districts, Western Region**

Region and District	All Sectors		Industry		Service		Agriculture		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	All Sectors	Industry	Services	Agriculture
<b>Western</b>	<b>63,439</b>	<b>100.0</b>	<b>9,899</b>	<b>100.0</b>	<b>53,322</b>	<b>100.0</b>	<b>218</b>	<b>100.0</b>	<b>100.0</b>	<b>15.6</b>	<b>84.1</b>	<b>0.3</b>
Jomoro	3,818	6.0	502	5.1	3,304	6.2	12	5.5	100.0	13.1	86.5	0.3
Ellembelle	2,388	3.8	360	3.6	2,028	3.8	-	-	100.0	15.1	84.9	0.0
Nzema East	1,596	2.5	200	2.0	1,394	2.6	2	0.9	100.0	12.5	87.3	0.1
Ahanta West	2,050	3.2	329	3.3	1,718	3.2	3	1.4	100.0	16.0	83.8	0.1
Sekondi Takoradi	16,809	26.5	2,904	29.3	13,816	25.9	89	40.8	100.0	17.3	82.2	0.5
Shama	1,883	3.0	312	3.2	1,565	2.9	6	2.8	100.0	16.6	83.1	0.3
Wassa East	1,671	2.6	254	2.6	1,413	2.6	4	1.8	100.0	15.2	84.6	0.2
Tarkwa Nsuaem	3,677	5.8	505	5.1	3,164	5.9	8	3.7	100.0	13.7	86.0	0.2
Prestea/Huni	5,099	8.0	848	8.6	4,238	7.9	13	6.0	100.0	16.6	83.1	0.3
Wassa Amenfi	1,894	3.0	172	1.7	1,721	3.2	1	0.5	100.0	9.1	90.9	0.1
Wassa Amenfi	2,145	3.4	268	2.7	1,870	3.5	7	3.2	100.0	12.5	87.2	0.3
Aowin	3,198	5.0	619	6.3	2,571	4.8	8	3.7	100.0	19.4	80.4	0.3
Sefwi Akontom	1,347	2.1	174	1.8	1,169	2.2	4	1.8	100.0	12.9	86.8	0.3
Sefwi Wiawso	2,447	3.9	397	4.0	2,038	3.8	12	5.5	100.0	16.2	83.3	0.5
Sefwi Bibiani	2,524	4.0	399	4.0	2,101	3.9	24	11.0	100.0	15.8	83.2	1.0
Juabeso	1,668	2.6	248	2.5	1,414	2.7	6	2.8	100.0	14.9	84.8	0.4
Bia west	3,371	5.3	524	5.3	2,840	5.3	7	3.2	100.0	15.5	84.2	0.2
Mpohor	690	1.1	98	1.0	592	1.1	-	0.0	100.0	14.2	85.8	0.0
Wassa Amenfi	2,032	3.2	275	2.8	1,752	3.3	5	2.3	100.0	13.5	86.2	0.2
Suaman	945	1.5	163	1.6	780	1.5	2	0.9	100.0	17.2	82.5	0.2
Bodi	1,386	2.2	230	2.3	1,154	2.2	2	0.9	100.0	16.6	83.3	0.1
Bia East	801	1.3	118	1.2	680	1.3	3	1.4	100.0	14.7	84.9	0.4

**Table A1.2: Distribution of industry sub-sector establishments in Western Region by district**

Region / District	Total		Manufacturing		Mining and Quarrying		Electricity & Gas		Water Supply, Sewerage, Waste Management		Construction	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Western</b>	<b>9,899</b>	<b>100.0</b>	<b>9,134</b>	<b>100.0</b>	<b>168</b>	<b>100.0</b>	<b>59</b>	<b>100.0</b>	<b>83</b>	<b>100.0</b>	<b>455</b>	<b>100.0</b>
Jomoro	502	5.1	470	5.1	0	0.0	4	6.8	16	19.3	12	2.6
Ellembelle	360	3.6	343	3.8	2	1.2	1	1.7	2	2.4	12	2.6
Nzema East	200	2.0	185	2	0	0.0	0	0.0	3	3.6	12	2.6
Ahanta West	329	3.3	317	3.5	1	0.6	4	6.8	2	2.4	5	1.1
Sekondi Takoradi	2,904	29.3	2,576	28.2	25	14.9	40	67.8	20	24.1	243	53.4
Shama	312	3.2	301	3.3	3	1.8	1	1.7	3	3.6	4	0.9
Wassa East	254	2.6	250	2.7	0	0.0	0	0.0	2	2.4	2	0.4
Tarkwa Nsuaem	505	5.1	420	4.6	38	22.6	1	1.7	1	1.2	45	9.9
Prestea/Huni	848	8.6	741	8.1	82	48.8	0	0.0	4	4.8	21	4.6
Wassa Amenfi	172	1.7	164	1.8	1	0.6	0	0.0	1	1.2	6	1.3
Wassa Amenfi	268	2.7	257	2.8	3	1.8	1	1.7	3	3.6	4	0.9
Aowin	619	6.3	608	6.7	1	0.6	1	1.7	3	3.6	6	1.3
Sefwi Akontom	174	1.8	169	1.9	0	0.0	0	0.0	2	2.4	3	0.7
Sefwi Wiawso	397	4.0	351	3.8	0	0.0	1	1.7	5	6.0	40	8.8
Sefwi Bibiani	399	4.0	355	3.9	10	6.0	4	6.8	6	7.2	24	5.3
Juabeso	248	2.5	246	2.7	0	0.0	0	0.0	1	1.2	1	0.2
Bia west	524	5.3	512	5.6	0	0.0	0	0.0	4	4.8	8	1.8
Mpohor	98	1.0	94	1	0	0.0	0	0.0	2	2.4	2	0.4
Wassa Amenfi	275	2.8	271	3	1	0.6	1	1.7	1	1.2	1	0.2
Suaman	163	1.6	160	1.8	1	0.6	0	0.0	0	0.0	2	0.4
Bodi	230	2.3	226	2.5	0	0.0	0	0.0	2	2.4	2	0.4

**Table A1.3: Distribution of services sub-sector establishments in Western Region by district**

Region/District	Services Total	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Professional, Scientific and Technical	Administrative and support Service Activity	Public Administration and Defence	Education	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services	Household Employers	Extraterritorial Organizations
<b>Western Region</b>	<b>53,322</b>	<b>29,959</b>	<b>253</b>	<b>6,065</b>	<b>300</b>	<b>640</b>	<b>26</b>	<b>436</b>	<b>514</b>	<b>330</b>	<b>3,213</b>	<b>612</b>	<b>169</b>	<b>10,802</b>	<b>1</b>	<b>2</b>
Jomoro	3,304	1,716	20	596	22	43	0	11	22	23	201	36	10	604	0	0
Ellembelle	2028	959	3	292	6	29	0	6	14	16	179	36	5	483	0	0
Nzema East	1394	704	2	213	14	13	0	4	16	21	95	13	3	296	0	0
Ahanta West	1718	908	7	235	9	19	0	11	19	10	121	22	8	349	0	0
Sekondi Takoradi	13,816	8,214	148	1,334	96	225	23	229	259	88	543	123	86	2,446	0	2
Shama	1565	859	1	193	14	17	1	14	23	9	97	13	11	313	0	0
Wassa East	1413	666	4	163	6	12	0	5	3	10	128	21	0	395	0	0
Tarkwa Nsuaem	3,164	1,866	15	355	25	42	1	71	32	23	136	37	13	548	0	0
Prestea/Huni	4,238	2,481	4	441	8	27	0	30	19	12	189	29	4	994	0	0
Wassa Amenfi	1721	956	2	170	1	13	0	5	7	11	147	29	3	377	0	0
Wassa Amenfi	1,870	1,082	2	205	8	15	0	5	6	6	129	28	3	381	0	0
Aowin	2,571	1,506	6	289	17	22	0	2	12	17	148	14	5	533	0	0
Sefwi Akontom	1169	675	1	98	4	4	1	3	4	5	96	24	3	251	0	0
Sefwi Wiawso	2,038	1,147	7	154	13	32	0	7	17	17	159	34	1	450	0	0
Sefwi Bibiani	2,101	1,181	5	177	9	29	0	11	20	20	201	30	3	414	1	0
Juabeso	1414	775	3	147	5	20	0	6	7	8	104	18	1	320	0	0
Bia west	2,840	1,627	7	388	16	33	0	9	18	14	145	42	1	540	0	0
Mpohor	592	295	7	64	7	3	0	0	3	1	65	9	0	138	0	0
Wassa Amenfi	1752	974	5	207	9	17	0	5	4	8	132	16	4	371	0	0
Suaman	780	467	1	88	2	9	0	1	1	3	47	7	3	151	0	0
Bodi	1154	578	1	155	7	9	0	0	5	4	87	17	1	290	0	0
Bia East	680	323	2	101	2	7	0	1	3	4	64	14	1	158	0	0

**Table A1.4: Distribution of agriculture sub-sector establishments in Western Region by district**

Region/District	Agriculture Total		Crops		Livestock		Forestry		Fishing	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Western</b>	<b>218</b>	100.0	<b>109</b>	100.0	<b>76</b>	100.0	<b>25</b>	100.0	<b>8</b>	100.0
Jomoro	12	5.5	2	1.8	6	7.9	2	8.0	2	25.0
Ellembelle	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nzema East	2	0.9	1	0.9	1	1.3	0	0.0	0	0.0
Ahanta West	3	1.4	3	2.8	0	0.0	0	0.0	0	0.0
Sekondi Takoradi	89	40.8	62	56.9	21	27.6	5	20.0	1	12.5
Shama	6	2.8	4	3.7	2	2.6	0	0.0	0	0.0
Wassa East	4	1.8	4	3.7	0	0.0	0	0.0	0	0.0
Tarkwa Nsuaem	8	3.7	3	2.8	1	1.3	3	12.0	1	12.5
Prestea/Huni	13	6.0	7	6.4	6	7.9	0	0.0	0	0.0
Wassa Amenfi	1	0.5	0	0.0	1	1.3	0	0.0	0	0.0
Wassa Amenfi	7	3.2	3	2.8	2	2.6	1	4.0	1	12.5
Aowin	8	3.7	2	1.8	3	3.9	1	4.0	2	25.0
Sefwi Akontom	4	1.8	1	0.9	3	3.9	0	0.0	0	0.0
Sefwi Wiawso	12	5.5	4	3.7	6	7.9	2	8.0	0	0.0
Sefwi Bibiani	24	11.0	5	4.6	11	14.5	8	32.0	0	0.0
Juabeso	6	2.8	2	1.8	3	3.9	1	4.0	0	0.0
Bia west	7	3.2	1	0.9	5	6.6	1	4.0	0	0.0
Mpohor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wassa Amenfi	5	2.3	2	1.8	2	2.6	1	4.0	0	0.0
Suaman	2	0.9	1	0.9	1	1.3	0	0.0	0	0.0
Bodi	2	0.9	1	0.9	1	1.3	0	0.0	0	0.0
Bia East	3	1.4	1	0.9	1	1.3	0	0	1	12.5

**Table A1.5: Number of establishments in Western Region by district and LMSM**

Region/District	Total		Large		Medium		Small		Micro	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Western</b>	<b>63,439</b>	100.0	<b>252</b>	100.0	<b>798</b>	100.0	<b>9,407</b>	100.0	<b>52,982</b>	100.0
Jomoro	3,818	6.0	5	2.0	17	2.1	519	5.5	3,277	6.2
Ellembelle	2,388	3.8	5	2.0	22	2.8	451	4.8	1,910	3.6
Nzema East	1,596	2.5	4	1.6	9	1.1	234	2.5	1,349	2.5
Ahanta West	2,050	3.2	10	4.0	20	2.5	253	2.7	1,767	3.3
Sekondi Takoradi Metropolis	16,809	26.5	116	46.0	337	42.2	2,130	22.6	14,226	26.9
Shama	1,883	3.0	4	1.6	21	2.6	313	3.3	1,545	2.9
Wassa East	1,671	2.6	13	5.2	34	4.3	313	3.3	1,311	2.5
Tarkwa Nsuaem Municipal	3,677	5.8	35	13.9	84	10.5	499	5.3	3,059	5.8
Prestea/Huni Valley	5,099	8.0	12	4.8	29	3.6	736	7.8	4,322	8.2
Wassa Amenfi East	1,894	3.0	3	1.2	12	1.5	310	3.3	1,569	3.0
Wassa Amenfi West	2,145	3.4	2	0.8	13	1.6	347	3.7	1,783	3.4
Aowin	3,198	5.0	5	2.0	38	4.8	472	5.0	2,683	5.1
Sefwi Akontombra	1,347	2.1	0.0	0.0	9	1.1	200	2.1	1,138	2.1
Sefwi Wiawso	2,447	3.9	6	2.4	30	3.8	479	5.1	1,932	3.6
Sefwi Bibiani-Ahwiaso Bekwai	2,524	4.0	12	4.8	33	4.1	495	5.3	1,984	3.7
Juabeso	1,668	2.6	8	3.2	28	3.5	248	2.6	1,384	2.6
Bia west	3,371	5.3	8	3.2	27	3.4	543	5.8	2,793	5.3
Mpohor	690	1.1	2	0.8	5	0.6	86	0.9	597	1.1
Wassa Amenfi Central	2,032	3.2	2	0.8	10	1.3	308	3.3	1,712	3.2
Suaman	945	1.5	0.0	0.0	13	1.6	99	1.1	833	1.6
Bodi	1,386	2.2	0.0	0.0	3	0.4	214	2.3	1,169	2.2
Bia East	801	1.3	0.0	0.0	4	0.5	158	1.7	639	1.2

**Table A1.6: Distribution of establishments in Western Region by district and size**

Regions/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Western</b>	<b>63,439</b>	<b>49,883</b>	<b>8,618</b>	<b>2,232</b>	<b>923</b>	<b>435</b>	<b>221</b>	<b>458</b>	<b>405</b>	<b>171</b>	<b>93</b>
Jomoro	3,818	3,105	478	133	50	22	7	10	8	5	0
Ellembelle	2,388	1,779	392	122	35	25	4	18	8	2	3
Nzema East	1,596	1,263	214	56	33	10	6	6	4	3	1
Ahanta West	2,050	1,680	202	78	38	15	7	9	10	7	4
Sekondi Takoradi Metropolis	16,809	13,561	1,770	482	264	160	88	187	179	76	42
Shama	1,883	1,466	227	101	41	14	8	17	5	4	0
Wassa East	1,671	1,207	297	63	26	14	12	22	17	10	3
Tarkwa Nsuaem Municipal	3,677	2,911	407	126	64	25	20	40	49	18	17
Prestea/Huni Valley	5,099	4,025	740	174	77	24	14	19	14	7	5
Wassa Amenfi East	1,894	1,469	310	67	19	10	3	9	4	1	2
Wassa Amenfi West	2,145	1,666	345	80	22	13	4	3	8	3	1
Aowin	3,198	2,498	503	99	26	17	9	16	25	3	2
Sefwi Akontombra	1,347	1,058	216	46	15	1	1	8	1	1	0
Sefwi Wiawso	2,447	1,802	406	114	57	21	9	19	13	3	3
Sefwi Bibiani-Ahwiaso Bekwai	2,524	1,873	374	153	43	22	10	21	15	7	6
Juabeso	1,668	1,291	265	41	17	13	1	14	15	10	1
Bia west	3,371	2,600	561	105	44	13	6	17	16	9	0
Mpohor	690	557	87	26	7	3	2	2	4	0	2
Wassa Amenfi Central	2,032	1,582	350	68	15	4	1	5	4	2	1
Suaman	945	796	101	15	11	3	6	9	4	0	0
Bodi	1,386	1,093	221	50	11	4	2	4	1	0	0
Bia East	801	601	152	33	8	2	1	3	1	0	0



**Table A1.7: Number of establishments in Western Region by type of institutional registration**

Region/District	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
<b>Western Region</b>	<b>63,439</b>	<b>4,801</b>	<b>58,638</b>	<b>3.7</b>	<b>92.4</b>	<b>2.6</b>	<b>15.2</b>	<b>57.3</b>	<b>32.4</b>
Jomoro	3,818	185	3,633	4.8	95.2	1.8	10.3	42.7	20.7
Ellembelle	2,388	111	2,277	4.6	95.4	1.7	13.7	46.1	34.8
Nzema East	1,596	85	1,511	5.3	94.7	2.7	8.3	60.7	26.6
Ahanta West	2,050	94	1,956	4.6	95.4	2	12.8	60	16.9
Sekondi Takoradi Metropolis	16,809	2,056	14,753	12.2	87.8	3.1	21.8	77.2	45.1
Shama	1,883	61	1,822	3.2	96.8	2	9.8	74.9	9
Wassa East	1,671	56	1,615	3.4	96.6	2.2	12.6	59.4	7.3
Tarkwa Nsuaem Municipal	3,677	588	3,089	16	84	2.1	21.5	65.1	39.8
Prestea/Huni Valley	5,099	210	4,889	4.1	95.9	1.2	9.5	66.9	46
Wassa Amenfi East	1,894	155	1,739	8.2	91.8	3.1	16.1	58.4	37.1
Wassa Amenfi West	2,145	94	2,051	4.4	95.6	2.7	7.6	41.7	39.7
Aowin	3,198	101	3,097	3.2	96.8	2.9	9.1	32.8	22.9
Sefwi Akontombra	1,347	99	1,248	7.3	92.7	5.6	21.2	39.3	21
Sefwi Wiawso	2,447	258	2,189	10.5	89.5	2.2	17.2	61.3	43.5
Sefwi Bibiani-Ahwiaso Bekwai	2,524	229	2,295	9.1	90.9	4	17.4	37.4	31.7
Juabeso	1,668	148	1,520	8.9	91.1	3.4	12.2	55.3	29
Bia west	3,371	71	3,300	2.1	97.9	1.7	12.5	36.1	18.3
Mpohor	690	13	677	1.9	98.1	0.9	4.6	53.2	3.2
Wassa Amenfi Central	2,032	86	1,946	4.2	95.8	3.1	12.8	34.6	26
Suaman	945	40	905	4.2	95.8	5.1	15.6	22.5	12.8
Bodi	1,386	39	1,347	2.8	97.2	3.5	7.4	26.8	12.9
Bia East	801	22	779	2.7	97.3	4.2	18.1	49.7	12.5

*EPA: Environmental protection agency*

*RGD: Registrar general's department*

*DA: District assembly*

*GRA: Ghana revenue authority*

**Table A1.8: Numbers of establishments in Western Region by district and type of legal organization**

Region/District	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc.)	Quasi Government	Parastatal Government	Non Governmental Organization	Cooperative	Association/Groups
<b>Western</b>	<b>63,439</b>	<b>46,871</b>	<b>6,421</b>	<b>2,137</b>	<b>812</b>	<b>308</b>	<b>2,123</b>	<b>174</b>	<b>44</b>	<b>2,784</b>	<b>78</b>	<b>1,687</b>
Jomoro	3,818	2,898	409	50	31	27	132	11	5	227	8	20
Ellembelle	2,388	1,630	255	38	22	13	149	15	0	158	2	106
Nzema East	1,596	1,170	139	21	17	35	57	2	1	10	0	144
Ahanta West	2,050	1,624	164	27	6	8	83	8	1	34	4	91
Sekondi Takoradi Metropolis	16,809	13,582	1,446	875	71	62	245	19	10	178	18	303
Shama	1,883	1,330	316	19	6	9	47	15	4	51	11	75
Wassa East	1,671	1,028	172	35	33	1	108	7	0	73	5	209
Tarkwa Nsuaem Municipal	3,677	2,907	313	205	18	8	71	6	0	127	3	19
Prestea/Huni Valley	5,099	3,889	544	85	33	1	114	8	0	281	2	142
Wassa Amenfi East	1,894	1,173	259	73	44	15	108	20	3	156	0	43
Wassa Amenfi West	2,145	1,514	276	32	15	13	104	0	0	19	0	172
Aowin	3,198	2,151	360	180	146	9	106	2	3	219	10	12
Sefwi Akontombra	1,347	826	96	91	62	2	89	9	1	156	0	15
Sefwi Wiawso	2,447	1,716	233	83	58	11	98	4	0	178	2	64
Sefwi Bibiani-Ahwiaso Bekwai	2,524	1,897	199	82	14	24	137	12	1	132	0	26
Juabeso	1,668	1,167	173	45	28	7	84	6	1	131	0	26
Bia west	3,371	2,517	268	129	98	49	71	15	3	82	7	132
Mpohor	690	479	72	5	0	2	60	3	1	15	1	52
Wassa Amenfi Central	2,032	1,327	254	22	56	1	102	9	2	255	1	3
Suaman	945	517	256	24	35	5	29	1	6	58	1	13
Bodi	1,386	963	165	5	1	2	70	2	0	160	2	16
Bia East	801	566	52	11	18	4	59	0	2	84	1	4

**Table A1.9: Distribution of establishments in Western Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Western</b>	2,872	100.0	2,075	100.0	4,526	100.0	11,619	100.0	42,084	100.0
Jomoro	140	4.9	95	4.6	248	5.5	747	6.4	2,571	6.1
Ellembelle	126	4.4	68	3.3	156	3.4	367	3.2	1,667	4.0
Nzema East	84	2.9	49	2.4	138	3.0	315	2.7	1,008	2.4
Ahanta West	108	3.8	54	2.6	103	2.3	358	3.1	1,425	3.4
Sekondi Takoradi Metropolis	805	28.0	589	28.4	1,201	26.5	3,122	26.9	10,971	26.1
Shama	81	2.8	35	1.7	108	2.4	367	3.2	1,291	3.1
Wassa East	112	3.9	87	4.2	137	3.0	303	2.6	1,027	2.4
Tarkwa Nsuaem Municipal	195	6.8	135	6.5	218	4.8	603	5.2	2,512	6.0
Prestea/Huni Valley	201	7.0	142	6.8	300	6.6	817	7.0	3,621	8.6
Wassa Amenfi East	115	4.0	76	3.7	151	3.3	343	3.0	1,201	2.9
Wassa Amenfi West	79	2.8	51	2.5	147	3.2	408	3.5	1,458	3.5
Aowin	88	3.1	90	4.3	236	5.2	700	6.0	2,079	4.9
Sefwi Akontombra	54	1.9	59	2.8	143	3.2	289	2.5	802	1.9
Sefwi Wiawso	150	5.2	92	4.4	193	4.3	413	3.6	1,592	3.8
Sefwi Bibiani-Ahwiaso Bekwai	164	5.7	69	3.3	139	3.1	363	3.1	1,772	4.2
Juabeso	73	2.5	57	2.7	131	2.9	314	2.7	1,090	2.6
Bia west	63	2.2	104	5.0	283	6.3	704	6.1	2,202	5.2
Mpohor	32	1.1	38	1.8	42	0.9	96	0.8	476	1.1
Wassa Amenfi Central	91	3.2	71	3.4	161	3.6	363	3.1	1,344	3.2
Suaman	16	0.6	30	1.4	103	2.3	217	1.9	572	1.4
Bodi	63	2.2	46	2.2	110	2.4	260	2.2	901	2.1
Bia East	32	1.1	38	1.8	78	1.7	150	1.3	502	1.2

**Table A1.10: Number of industry sector establishments in Western Region by district and commencement year**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Western</b>	<b>229</b>	<b>100.0</b>	<b>219</b>	<b>100.0</b>	<b>555</b>	<b>100.0</b>	<b>2,066</b>	<b>100.0</b>	<b>6,797</b>	<b>100.0</b>
Jomoro	7	3.1	6	2.7	23	4.1	119	5.8	347	5.1
Ellembelle	6	2.6	3	1.4	16	2.9	64	3.1	271	4.0
Nzema East	7	3.1	6	2.7	17	3.1	54	2.6	116	1.7
Ahanta West	4	1.7	4	1.8	11	2.0	74	3.6	236	3.5
Sekondi Takoradi Metropolis	113	49.3	109	49.8	237	42.7	622	30.1	1,805	26.6
Shama	2	0.9	3	1.4	9	1.6	79	3.8	219	3.2
Wassa East	3	1.3	7	3.2	15	2.7	60	2.9	169	2.5
Tarkwa Nsuaem Municipal	23	10.0	21	9.6	24	4.3	81	3.9	353	5.2
Prestea/Huni Valley	11	4.8	15	6.8	36	6.5	158	7.6	625	9.2
Wassa Amenfi East	3	1.3	3	1.4	3	0.5	34	1.6	129	1.9
Wassa Amenfi West	4	1.7	3	1.4	11	2.0	47	2.3	203	3.0
Aowin	1	0.4	8	3.7	23	4.1	153	7.4	432	6.4
Sefwi Akontombra	2	0.9	1	0.5	6	1.1	45	2.2	120	1.8
Sefwi Wiawso	21	9.2	12	5.5	26	4.7	74	3.6	264	3.9
Sefwi Bibiani-Ahwiaso Bekwai	9	3.9	9	4.1	18	3.2	56	2.7	306	4.5
Juabeso	1	0.4	0	0.0	12	2.2	47	2.3	188	2.8
Bia west	5	2.2	5	2.3	31	5.6	115	5.6	365	5.4
Mpohor	1	0.4	1	0.5	1	0.2	18	0.9	76	1.1
Wassa Amenfi Central	3	1.3	3	1.4	16	2.9	55	2.7	198	2.9
Suaman	0	0.0	0	0.0	6	1.1	36	1.7	120	1.8
Bodi	2	0.9	0	0.0	7	1.3	55	2.7	165	2.4

**Table A1.11: Number of services sector establishments in Western Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Western</b>	<b>2,608</b>	100.0	<b>1,831</b>	100.0	<b>3,949</b>	100.0	<b>9,509</b>	100.0	<b>35,195</b>	100.0
Jomoro	133	5.1	87	4.8	225	5.7	625	6.6	2,217	6.3
Ellembelle	120	4.6	65	3.5	140	3.5	303	3.2	1,396	4.0
Nzema East	76	2.9	43	2.3	121	3.1	261	2.7	891	2.5
Ahanta West	103	3.9	50	2.7	92	2.3	283	3.0	1,188	3.4
Sekondi Takoradi Metropolis	672	25.8	465	25.4	949	24.0	2,481	26.1	9,146	26.0
Shama	79	3.0	31	1.7	99	2.5	286	3.0	1,069	3.0
Wassa East	108	4.1	78	4.3	122	3.1	243	2.6	857	2.4
Tarkwa Nsuaem Municipal	170	6.5	113	6.2	194	4.9	519	5.5	2,157	6.1
Prestea/Huni Valley	188	7.2	126	6.9	262	6.6	657	6.9	2,990	8.5
Wassa Amenfi East	112	4.3	73	4.0	148	3.7	309	3.2	1,071	3.0
Wassa Amenfi West	75	2.9	47	2.6	134	3.4	360	3.8	1,252	3.6
Aowin	86	3.3	81	4.4	213	5.4	545	5.7	1,643	4.7
Sefwi Akontombra	52	2.0	58	3.2	137	3.5	244	2.6	678	1.9
Sefwi Wiawso	127	4.9	80	4.4	167	4.2	335	3.5	1,322	3.8
Sefwi Bibiani-Ahwiaso Bekwai	155	5.9	59	3.2	120	3.0	302	3.2	1,449	4.1
Juabeso	69	2.6	57	3.1	119	3.0	267	2.8	899	2.6
Bia west	57	2.2	99	5.4	252	6.4	589	6.2	1,831	5.2
Mpohor	31	1.2	37	2.0	41	1.0	78	0.8	400	1.1
Wassa Amenfi Central	87	3.3	68	3.7	143	3.6	308	3.2	1,144	3.3
Suaman	16	0.6	30	1.6	97	2.5	181	1.9	450	1.3
Bodi	61	2.3	46	2.5	103	2.6	204	2.1	735	2.1
Bia East	31	1.2	38	2.1	71	1.8	129	1.4	410	1.2

**Table A1.12: Number of agriculture sector establishments in Western Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Western</b>	<b>35</b>	100.0	<b>25</b>	100.0	<b>22</b>	100.0	<b>44</b>	100.0	<b>92</b>	100.0
Jomoro	0	0.0	2	8.0	0	0.0	3	6.8	7	7.6
Ellembelle	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nzema East	1	2.9	0	0.0	0	0.0	0	0.0	1	1.1
Ahanta West	1	2.9	0	0.0	0	0.0	1	2.3	1	1.1
Sekondi Takoradi Metropolis	20	57.1	15	60.0	15	68.2	19	43.2	20	21.7
Shama	0	0.0	1	4.0	0	0.0	2	4.5	3	3.3
Wassa East	1	2.9	2	8.0	0	0.0	0	0.0	1	1.1
Tarkwa Nsuaem Municipal	2	5.7	1	4.0	0	0.0	3	6.8	2	2.2
Prestea/Huni Valley	2	5.7	1	4.0	2	9.1	2	4.5	6	6.5
Wassa Amenfi East	0	0.0	0	0.0	0	0.0	0	0.0	1	1.1
Wassa Amenfi West	0	0.0	1	4.0	2	9.1	1	2.3	3	3.3
Aowin	1	2.9	1	4.0	0	0.0	2	4.5	4	4.3
Sefwi Akontombra	0	0.0	0	0.0	0	0.0	0	0.0	4	4.3
Sefwi Wiawso	2	5.7	0	0.0	0	0.0	4	9.1	6	6.5
Sefwi Bibiani-Ahwiaso Bekwai	0	0.0	1	4.0	1	4.5	5	11.4	17	18.5
Juabeso	3	8.6	0	0.0	0	0.0	0	0.0	3	3.3
Bia west	1	2.9	0	0.0	0	0.0	0	0.0	6	6.5
Mpohor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wassa Amenfi Central	1	2.9	0	0.0	2	9.1	0	0.0	2	2.2
Suaman	0	0.0	0	0.0	0	0.0	0	0.0	2	2.2
Bodi	0	0.0	0	0.0	0	0.0	1	2.3	1	1.1
Bia East	0	0.0	0	0.0	0	0.0	1	2.3	2	2.2

**Table A1.13: Distribution of persons engaged by establishments in Western Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage (%) of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
<b>Western Region</b>	<b>334,433</b>	<b>73,548</b>	<b>251,068</b>	<b>9,817</b>	100.0	22.0	75.1	2.9
Jomoro	13,547	1,492	11,897	158	100.0	11.0	87.8	1.2
Ellembelle	11,395	2,357	9,038	-	100.0	20.7	79.3	0.0
Nzema East	6,511	760	5,740	11	100.0	11.7	88.2	0.2
Ahanta West	9,424	1,921	7,144	359	100.0	20.4	75.8	3.8
Sekondi Takoradi Metropolis	108,313	23,370	78,588	6,355	100.0	21.6	72.6	5.9
Shama	8,293	1,377	6,873	43	100.0	16.6	82.9	0.5
Wassa East	10,550	774	9,159	617	100.0	7.3	86.8	5.8
Tarkwa Nsuaem Municipal	33,419	14,426	18,942	51	100.0	43.2	56.7	0.2
Prestea/Huni Valley	23,045	6,571	15,799	675	100.0	28.5	68.6	2.9
Wassa Amenfi East	8,724	553	8,166	5	100.0	6.3	93.6	0.1
Wassa Amenfi West	10,267	2,970	7,082	215	100.0	28.9	69.0	2.1
Aowin	13,490	2,171	11,129	190	100.0	16.1	82.5	1.4
Sefwi Akontombra	4,634	637	3,938	59	100.0	13.7	85.0	1.3
Sefwi Wiawso	12,869	2,932	9,592	345	100.0	22.8	74.5	2.7
Sefwi Bibiani-Ahwiaso Bekwai	15,436	4,574	10,641	221	100.0	29.6	68.9	1.4
Juabeso	8,364	746	7,576	42	100.0	8.9	90.6	0.5
Bia west	13,860	1,906	11,860	94	100.0	13.8	85.6	0.7
Mpohor	3,791	1,605	2,186	-	100.0	42.3	57.7	0.0
Wassa Amenfi Central	7,496	850	6,304	342	100.0	11.3	84.1	4.6
Suaman	3,294	499	2,793	2	100.0	15.1	84.8	0.1
Bodi	4,772	664	4,099	9	100.0	13.9	85.9	0.2
Bia East	2,939	393	2,522	24	100.0	13.4	85.8	0.8

**Table A1.14: Number of persons engaged in the Western Region by district, sex and sector of establishment**

Region /District	Both Sexes				Male				Female			
	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture
<b>Western Region</b>	<b>334,433</b>	<b>73,548</b>	<b>251,068</b>	<b>9,817</b>	<b>201,104</b>	<b>48,360</b>	<b>145,673</b>	<b>7,071</b>	<b>133,329</b>	<b>25,188</b>	<b>105,395</b>	<b>2,746</b>
Jomoro	13,547	1,492	11,897	158	8,268	939	7,188	141	5,279	553	4,709	17
Ellembelle	11,395	2,357	9,038	0	7,063	1,736	5,327	0	4,332	621	3,711	0
Nzema East	6,511	760	5,740	11	3,558	368	3,183	7	2,953	392	2,557	4
Ahanta West	9,424	1,921	7,144	359	5,445	1,373	3,757	315	3,979	548	3,387	44
Sekondi Takoradi Metropolis	108,313	23,370	78,588	6,355	65,076	15,063	45,748	4,265	43,237	8,307	32,840	2,090
Shama	8,293	1,377	6,873	43	4,388	716	3,645	27	3,905	661	3,228	16
Wassa East	10,550	774	9,159	617	5,774	374	4,943	457	4,776	400	4,216	160
Tarkwa Nsuaem Municipal	33,419	14,426	18,942	51	21,395	10,342	11,010	43	12,024	4,084	7,932	8
Prestea/Huni Valley	23,045	6,571	15,799	675	13,494	4,549	8,491	454	9,551	2,022	7,308	221
Wassa Amenfi East	8,724	553	8,166	5	5,392	299	5,088	5	3,332	254	3,078	0
Wassa Amenfi West	10,267	2,970	7,082	215	6,629	2,323	4,101	205	3,638	647	2,981	10
Aowin	13,490	2,171	11,129	190	8,045	1,541	6,323	181	5,445	630	4,806	9
Sefwi Akontombra	4,634	637	3,938	59	3,055	369	2,631	55	1,579	268	1,307	4
Sefwi Wiawso	12,869	2,932	9,592	345	8,424	2,056	6,047	321	4,445	876	3,545	24
Sefwi Bibiani-Ahwiaso Bekwai	15,436	4,574	10,641	221	9,153	2,975	5,978	200	6,283	1,599	4,663	21
Juabeso	8,364	746	7,576	42	4,510	305	4,168	37	3,854	441	3,408	5
Bia west	13,860	1,906	11,860	94	7,939	758	7,091	90	5,921	1,148	4,769	4
Mpohor	3,791	1,605	2,186	0	2,401	1,224	1,177	0	1,390	381	1,009	0
Wassa Amenfi Central	7,496	850	6,304	342	4,785	455	4,087	243	2,711	395	2,217	99
Suaman	3,294	499	2,793	2	2,000	214	1,784	2	1,294	285	1,009	0
Bodi	4,772	664	4,099	9	2,576	252	2,315	9	2,196	412	1,784	0
Bia East	2,939	393	2,522	24	1,734	129	1,591	14	1,205	264	931	10



**Table A1.15: Distribution of persons engaged by establishments in Western Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Percentage		Number	Percentage		Number	Percentage		Number	Percentage	
		Male	Female		Male	Female		Male	Female		Male	Female
<b>Western Region</b>	<b>334,433</b>	60.1	39.9	<b>73,548</b>	65.8	34.2	<b>251,068</b>	58.0	42.0	<b>9,817</b>	72.0	28.0
Jomoro	13,547	61.0	39.0	1,492	62.9	37.1	11,897	60.4	39.6	158	89.2	10.8
Ellembelle	11,395	62.0	38.0	2,357	73.7	26.3	9,038	58.9	41.1	-	0.0	0.0
Nzema East	6,511	54.6	45.4	760	48.4	51.6	5,740	55.5	44.5	11	63.6	36.4
Ahanta West	9,424	57.8	42.2	1,921	71.5	28.5	7,144	52.6	47.4	359	87.7	12.3
Sekondi/Takoradi Metropolis	108,313	60.1	39.9	23,370	64.5	35.5	78,588	58.2	41.8	6,355	67.1	32.9
Shama	8,293	52.9	47.1	1,377	52.0	48.0	6,873	53.0	47.0	43	62.8	37.2
Wassa East	10,550	54.7	45.3	774	48.3	51.7	9,159	54.0	46.0	617	74.1	25.9
Tarkwa Nsuaem Municipal	33,419	64.0	36.0	14,426	71.7	28.3	18,942	58.1	41.9	51	84.3	15.7
Prestea/Huni Valley	23,045	58.6	41.4	6,571	69.2	30.8	15,799	53.7	46.3	675	67.3	32.7
Wassa Amenfi East	8,724	61.8	38.2	553	54.1	45.9	8,166	62.3	37.7	5	100.0	0.0
Wassa Amenfi West	10,267	64.6	35.4	2,970	78.2	21.8	7,082	57.9	42.1	215	95.3	4.7
Aowin	13,490	59.6	40.4	2,171	71.0	29.0	11,129	56.8	43.2	190	95.3	4.7
Sefwi Akontombra	4,634	65.9	34.1	637	57.9	42.1	3,938	66.8	33.2	59	93.2	6.8
Sefwi Wiawso	12,869	65.5	34.5	2,932	70.1	29.9	9,592	63.0	37.0	345	93.0	7.0
Sefwi Bibiani-Ahwiaso Bekwai	15,436	59.3	40.7	4,574	65.0	35.0	10,641	56.2	43.8	221	90.5	9.5
Juabeso	8,364	53.9	46.1	746	40.9	59.1	7,576	55.0	45.0	42	88.1	11.9
Bia west	13,860	57.3	42.7	1,906	39.8	60.2	11,860	59.8	40.2	94	95.7	4.3
Mpohor	3,791	63.3	36.7	1,605	76.3	23.7	2,186	53.8	46.2	-	0.0	0.0
Wassa Amenfi Central	7,496	63.8	36.2	850	53.5	46.5	6,304	64.8	35.2	342	71.1	28.9
Suaman	3,294	60.7	39.3	499	42.9	57.1	2,793	63.9	36.1	2	100.0	0.0
Bodi	4,772	54.0	46.0	664	38.0	62.0	4,099	56.5	43.5	9	100.0	0.0

**Table A1.16: Number of persons engaged by district, sex and size of establishment, Western Region**

Region/District	Sex	Size of establishment										
		Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Western Region</b>	<b>Total</b>	<b>334,433</b>	<b>98,194</b>	<b>54,695</b>	<b>25,514</b>	<b>15,267</b>	<b>9,334</b>	<b>5,869</b>	<b>16,938</b>	<b>27,212</b>	<b>23,253</b>	<b>58,157</b>
	Male	201,104	48,044	33,176	15,729	9,366	5,816	3,637	10,857	18,175	14,635	41,669
	Female	133,329	50,150	21,519	9,785	5,901	3,518	2,232	6,081	9,037	8,618	16,488
Jomoro	<b>Total</b>	13,547	6,006	3,026	1,522	816	475	188	381	495	638	0
	Male	8,268	3,301	1,934	985	534	301	111	248	409	445	0
	Female	5,279	2,705	1,092	537	282	174	77	133	86	193	0
Ellembelle	<b>Total</b>	11,395	3,493	2,536	1,366	586	522	107	648	549	240	1,348
	Male	7,063	1,705	1,596	852	310	321	33	427	475	194	1,150
	Female	4,332	1,788	940	514	276	201	74	221	74	46	198
Nzema East	<b>Total</b>	6,511	2,491	1,329	637	544	209	159	250	309	376	207
	Male	3,558	1,253	792	396	293	135	90	173	170	156	100
	Female	2,953	1,238	537	241	251	74	69	77	139	220	107
Ahanta West	<b>Total</b>	9,424	2,962	1,258	906	637	320	185	337	655	1,018	1,146
	Male	5,445	1,308	693	534	333	207	92	223	337	747	971
	Female	3,979	1,654	565	372	304	113	93	114	318	271	175
Sekondi Takoradi Metropolis	<b>Total</b>	108,313	25,864	11,112	5,581	4,408	3,468	2,359	6,867	12,437	10,360	25,857
	Male	65,076	11,087	7,021	3,300	2,733	2,060	1,419	4,507	8,493	6,928	17,528
	Female	43,237	14,777	4,091	2,281	1,675	1,408	940	2,360	3,944	3,432	8,329
Shama	<b>Total</b>	8,293	2,962	1,478	1,166	685	297	211	616	346	532	0
	Male	4,388	1,303	717	714	409	187	140	374	210	334	0
	Female	3,905	1,659	761	452	276	110	71	242	136	198	0
Wassa East	<b>Total</b>	10,550	2,545	1,909	700	417	299	310	818	1,164	1,463	925
	Male	5,774	1,357	1,095	417	245	160	155	298	636	616	795
	Female	4,776	1,188	814	283	172	139	155	520	528	847	130
Tarkwa Nsuaem Municipal	<b>Total</b>	33,419	5,679	2,575	1,478	1,067	535	529	1,506	3,342	2,606	14,102
	Male	21,395	2,546	1,619	979	621	328	332	980	2,076	1,567	10,347
	Female	12,024	3,133	956	499	446	207	197	526	1,266	1,039	3,755
Prestea/Huni Valley	<b>Total</b>	23,045	8,257	4,640	1,981	1,264	520	372	696	954	1,023	3,338
	Male	13,494	3,657	2,621	1,309	760	368	272	529	699	783	2,496
	Female	9,551	4,600	2,019	672	504	152	100	167	255	240	842
Wassa Amenfi East	<b>Total</b>	8,724	2,995	2,001	750	306	219	76	348	254	104	1,671
	Male	5,392	1,657	1,262	510	182	149	45	214	171	81	1,121
	Female	3,332	1,338	739	240	124	70	31	134	83	23	550

**Table A1.16: Number of persons engaged by district, sex and size of establishment, Western region (cont'd)**

Region/District	Sex	Size of establishment										
		Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Wassa Amenfi West	<b>Total</b>	10,267	3,320	2,186	908	360	275	109	121	530	358	2,100
	Male	6,629	1,677	1,227	558	204	217	83	66	446	201	1,950
	Female	3,638	1,643	959	350	156	58	26	55	84	157	150
Aowin	<b>Total</b>	13,490	5,145	3,153	1,130	425	368	236	581	1,644	405	403
	Male	8,045	2,834	2,076	694	304	240	154	295	945	238	265
	Female	5,445	2,311	1,077	436	121	128	82	286	699	167	138
Sefwi Akontombra	<b>Total</b>	4,634	2,000	1,352	527	238	23	27	316	51	100	0
	Male	3,055	1,187	920	373	182	12	19	217	48	97	0
	Female	1,579	813	432	154	56	11	8	99	3	3	0
Sefwi Wiawso	<b>Total</b>	12,869	3,678	2,624	1,265	968	441	235	703	811	380	1,764
	Male	8,424	2,026	1,625	801	667	266	179	478	632	300	1,450
	Female	4,445	1,652	999	464	301	175	56	225	179	80	314
Sefwi Bibiani-Ahwiaso Bekwai	<b>Total</b>	15,436	3,706	2,471	1,740	712	474	273	745	955	834	3,526
	Male	9,153	1,804	1,622	970	466	296	153	528	658	527	2,129
	Female	6,283	1,902	849	770	246	178	120	217	297	307	1,397
Juabeso	<b>Total</b>	8,364	2,630	1,687	464	283	270	25	531	908	1,366	200
	Male	4,510	1,497	949	291	149	169	20	262	478	592	103
	Female	3,854	1,133	738	173	134	101	5	269	430	774	97
Bia west	<b>Total</b>	13,860	5,154	3,572	1,186	713	278	154	616	957	1,230	0
	Male	7,939	2,881	2,024	658	462	172	104	418	594	626	0
	Female	5,921	2,273	1,548	528	251	106	50	198	363	604	0
Mpohor	<b>Total</b>	3,791	1,094	536	291	113	64	54	68	265	0	1,306
	Male	2,401	491	289	148	65	22	41	36	221	0	1,088
	Female	1,390	603	247	143	48	42	13	32	44	0	218
Wassa Amenfi Central	<b>Total</b>	7,496	3,275	2,207	765	234	86	25	183	237	220	264
	Male	4,785	1,811	1,469	562	161	68	17	107	211	203	176
	Female	2,711	1,464	738	203	73	18	8	76	26	17	88
Suaman	<b>Total</b>	3,294	1,483	632	176	190	64	160	342	247	0	0
	Male	2,000	835	351	100	124	52	114	256	168	0	0
	Female	1,294	648	281	76	66	12	46	86	79	0	0
Bodi	<b>Total</b>	4,772	2,246	1,420	596	177	86	50	145	52	0	0
	Male	2,576	1,108	747	372	95	57	40	109	48	0	0
	Female	2,196	1,138	673	224	82	29	10	36	4	0	0
Bia East	<b>Total</b>	2,939	1,209	991	379	124	41	25	120	50	0	0
	Male	1,734	719	527	206	67	29	24	112	50	0	0
	Female	1,205	490	464	173	57	12	1	8	0	0	0

**Table A1.17: Distribution of persons engaged by establishments in Western Region by district, status of engagement and LMSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large-sized	Medium-sized	Small-sized	Micro-sized	All persons	Large-sized	Medium-sized	Small-sized	Micro-sized	All persons	Large-sized	Medium-sized	Small-sized	Micro-sized
<b>Western Region</b>	<b>334,433</b>	<b>80,210</b>	<b>43,040</b>	<b>97,494</b>	<b>113,689</b>	<b>268,606</b>	<b>67,254</b>	<b>37,293</b>	<b>77,673</b>	<b>86,386</b>	<b>65,827</b>	<b>12,956</b>	<b>5,747</b>	<b>19,821</b>	<b>27,303</b>
Jomoro	13,547	638	846	5,197	6,866	10,714	579	743	4,086	5,306	2,833	59	103	1,111	1,560
Ellembelle	11,395	1,588	1,077	4,582	4,148	8,932	1,283	908	3,678	3,063	2,463	305	169	904	1,085
Nzema East	6,511	583	529	2,478	2,921	5,273	381	506	2,099	2,287	1,238	202	23	379	634
Ahanta West	9,424	2,064	1,092	2,871	3,397	7,387	1,586	1,029	2,288	2,484	2,037	478	63	583	913
Sekondi Takoradi Metropolis	108,313	36,017	18,574	24,533	29,189	89,630	29,336	17,093	20,014	23,187	18,683	6,681	1,481	4,519	6,002
Shama	8,293	532	932	3,472	3,357	6,549	422	737	2,848	2,542	1,744	110	195	624	815
Wassa East	10,550	2,388	1,832	3,265	3,065	8,502	1,736	1,733	2,677	2,356	2,048	652	99	588	709
Tarkwa Nsuaem Municipal	33,419	16,708	4,698	5,594	6,419	30,860	16,648	4,273	4,780	5,159	2,559	60	425	814	1,260
Prestea/Huni Valley	23,045	4,361	1,530	7,412	9,742	16,730	3,610	1,255	5,433	6,432	6,315	751	275	1,979	3,310
Wassa Amenfi East	8,724	1,775	572	2,882	3,495	6,907	1,675	510	2,123	2,599	1,817	100	62	759	896
Wassa Amenfi West	10,267	2,258	851	3,253	3,905	7,153	1,208	590	2,469	2,886	3,114	1,050	261	784	1,019
Aowin	13,490	808	2,135	4,477	6,070	9,366	491	1,555	3,213	4,107	4,124	317	580	1,264	1,963
Sefwi Akontombra	4,634	0	437	1,797	2,400	3,893	0	318	1,561	2,014	741	0	119	236	386
Sefwi Wiawso	12,869	2,144	1,454	4,943	4,328	10,297	1,735	1,256	3,934	3,372	2,572	409	198	1,009	956
Sefwi Bibiani-Ahwiaso Bekwai	15,436	4,260	1,680	5,235	4,261	14,069	4,193	1,528	4,707	3,641	1,367	67	152	528	620
Juabeso	8,364	1,266	1,619	2,384	3,095	5,925	733	1,000	1,920	2,272	2,439	533	619	464	823
Bia west	13,860	1,130	1,463	5,148	6,119	10,213	501	899	3,948	4,865	3,647	629	564	1,200	1,254
Mpohor	3,791	1,306	303	888	1,294	2,768	753	286	760	969	1,023	553	17	128	325
Wassa Amenfi Central	7,496	384	520	2,667	3,925	5,730	384	380	2,038	2,928	1,766	0	140	629	997
Suaman	3,294	0	589	1,037	1,668	2,472	0	547	744	1,181	822	0	42	293	487
Bodi	4,772	0	137	2,009	2,626	3,229	0	60	1,457	1,712	1,543	0	77	552	914
Bia East	2,939	0	170	1,370	1,399	2,007	0	87	896	1,024	932	0	83	474	375

**Table A1.18: Distribution of persons engaged in Western Region by district and LMSM Establishments**

Region/District	All persons			Large-sized			Medium-sized			Small-sized			Micro-sized		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Western Region</b>	<b>334,433</b>	80.3	19.7	<b>80,210</b>	83.8	16.2	<b>43,040</b>	86.6	13.4	<b>97,494</b>	79.7	20.3	<b>113,689</b>	76.0	24.0
Jomoro	13,547	79.1	20.9	638	90.8	9.2	846	87.8	12.2	5,197	78.6	21.4	6,866	77.3	22.7
Ellembelle	11,395	78.4	21.6	1,588	80.8	19.2	1,077	84.3	15.7	4,582	80.3	19.7	4,148	73.8	26.2
Nzema East	6,511	81.0	19.0	583	65.4	34.6	529	95.7	4.3	2,478	84.7	15.3	2,921	78.3	21.7
Ahanta West	9,424	78.4	21.6	2,064	76.8	23.2	1,092	94.2	5.8	2,871	79.7	20.3	3,397	73.1	26.9
Sekondi Takoradi Metropolis	108,313	82.8	17.2	36,017	81.5	18.5	18,574	92.0	8.0	24,533	81.6	18.4	29,189	79.4	20.6
Shama	8,293	79.0	21.0	532	79.3	20.7	932	79.1	20.9	3,472	82.0	18.0	3,357	75.7	24.3
Wassa East	10,550	80.6	19.4	2,388	72.7	27.3	1,832	94.6	5.4	3,265	82.0	18.0	3,065	76.9	23.1
Tarkwa Nsuaem Municipal	33,419	92.3	7.7	16,708	99.6	0.4	4,698	91.0	9.0	5,594	85.4	14.6	6,419	80.4	19.6
Prestea/Huni Valley	23,045	72.6	27.4	4,361	82.8	17.2	1,530	82.0	18.0	7,412	73.3	26.7	9,742	66.0	34.0
Wassa Amenfi East	8,724	79.2	20.8	1,775	94.4	5.6	572	89.2	10.8	2,882	73.7	26.3	3,495	74.4	25.6
Wassa Amenfi West	10,267	69.7	30.3	2,258	53.5	46.5	851	69.3	30.7	3,253	75.9	24.1	3,905	73.9	26.1
Aowin	13,490	69.4	30.6	808	60.8	39.2	2,135	72.8	27.2	4,477	71.8	28.2	6,070	67.7	32.3
Sefwi Akontombra	4,634	84.0	16.0	0	0.0	0.0	437	72.8	27.2	1,797	86.9	13.1	2,400	83.9	16.1
Sefwi Wiawso	12,869	80.0	20.0	2,144	80.9	19.1	1,454	86.4	13.6	4,943	79.6	20.4	4,328	77.9	22.1
Sefwi Bibiani-Ahwiaso Bekwai	15,436	91.1	8.9	4,260	98.4	1.6	1,680	91.0	9.0	5,235	89.9	10.1	4,261	85.4	14.6
Juabeso	8,364	70.8	29.2	1,266	57.9	42.1	1,619	61.8	38.2	2,384	80.5	19.5	3,095	73.4	26.6
Bia west	13,860	73.7	26.3	1,130	44.3	55.7	1,463	61.4	38.6	5,148	76.7	23.3	6,119	79.5	20.5
Mpohor	3,791	73.0	27.0	1,306	57.7	42.3	303	94.4	5.6	888	85.6	14.4	1,294	74.9	25.1
Wassa Amenfi Central	7,496	76.4	23.6	384	100.0	0.0	520	73.1	26.9	2,667	76.4	23.6	3,925	74.6	25.4
Suaman	3,294	75.0	25.0	0	0.0	0.0	589	92.9	7.1	1,037	71.7	28.3	1,668	70.8	29.2
Bodi	4,772	67.7	32.3	0	0.0	0.0	137	43.8	56.2	2,009	72.5	27.5	2,626	65.2	34.8
Bia East	2,939	68.3	31.7	0	0.0	0.0	170	51.2	48.8	1,370	65.4	34.6	1,399	73.2	26.8

**Table A1.19: Distribution of persons engaged in Western Region by district and LSM establishments**

Region/District	Number of Persons engaged by					Percentage distribution by size				
	All Establishments	Large-sized	Medium-sized	Small-sized	Micro-sized	All Establishments	Large-sized	Medium-sized	Small-sized	Micro-sized
<b>Western Region</b>	<b>334,433</b>	<b>80,210</b>	<b>43,040</b>	<b>97,494</b>	<b>113,689</b>	<b>100.0</b>	<b>24.0</b>	<b>12.9</b>	<b>29.2</b>	<b>34.0</b>
Jomoro	13,547	638	846	5,197	6,866	100.0	4.7	6.2	38.4	50.7
Ellembelle	11,395	1,588	1,077	4,582	4,148	100.0	13.9	9.5	40.2	36.4
Nzema East	6,511	583	529	2,478	2,921	100.0	9.0	8.1	38.1	44.9
Ahanta West	9,424	2,064	1,092	2,871	3,397	100.0	21.9	11.6	30.5	36.0
Sekondi Takoradi Metropolis	108,313	36,017	18,574	24,533	29,189	100.0	33.3	17.1	22.7	26.9
Shama	8,293	532	932	3,472	3,357	100.0	6.4	11.2	41.9	40.5
Wassa East	10,550	2,388	1,832	3,265	3,065	100.0	22.6	17.4	30.9	29.1
Tarkwa Nsuaem Municipal	33,419	16,708	4,698	5,594	6,419	100.0	50.0	14.1	16.7	19.2
Prestea/Huni Valley	23,045	4,361	1,530	7,412	9,742	100.0	18.9	6.6	32.2	42.3
Wassa Amenfi East	8,724	1,775	572	2,882	3,495	100.0	20.3	6.6	33.0	40.1
Wassa Amenfi West	10,267	2,258	851	3,253	3,905	100.0	22.0	8.3	31.7	38.0
Aowin	13,490	808	2,135	4,477	6,070	100.0	6.0	15.8	33.2	45.0
Sefwi Akontombra	4,634	0	437	1,797	2,400	100.0	0.0	9.4	38.8	51.8
Sefwi Wiawso	12,869	2,144	1,454	4,943	4,328	100.0	16.7	11.3	38.4	33.6
Sefwi Bibiani-Ahwiaso Bekwai	15,436	4,260	1,680	5,235	4,261	100.0	27.6	10.9	33.9	27.6
Juabeso	8,364	1,266	1,619	2,384	3,095	100.0	15.1	19.4	28.5	37.0
Bia west	13,860	1,130	1,463	5,148	6,119	100.0	8.2	10.6	37.1	44.1
Mpohor	3,791	1,306	303	888	1,294	100.0	34.5	8.0	23.4	34.1
Wassa Amenfi Central	7,496	384	520	2,667	3,925	100.0	5.1	6.9	35.6	52.4
Suaman	3,294	0	589	1,037	1,668	100.0	0.0	17.9	31.5	50.6
Bodi	4,772	0	137	2,009	2,626	100.0	0.0	2.9	42.1	55.0
Bia East	2,939	0	170	1,370	1,399	100.0	0.0	5.8	46.6	47.6

**Table A1.20 Distribution of persons engaged in establishments in Western Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											
		Overall	Sole Proprietorship	Partnership	Private Limited Company by Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs)	Quasi Government	Para-statal Government	Non Governmental Organization (NGO)	Cooperative	Association/Groups
<b>Western</b>	334,433	100.0	47.3	8.2	16.5	3.4	2.0	8.5	1.4	0.2	7.1	0.3	5.3
Jomoro	13,547	100.0	54.7	9.6	2.6	1.1	4.0	9.7	2.0	0.2	14.3	0.5	1.4
Ellembelle	11,395	100.0	40.2	8.4	10.5	3.5	1.7	13.9	3.5	0.0	10.4	0.1	8.0
Nzema East	6,511	100.0	44.3	8.2	4.9	5.9	7.8	6.0	3.3	1.3	1.1	0.0	17.2
Ahanta West	9,424	100.0	49.6	8.2	9.4	7.9	0.8	13.6	0.4	0.1	1.3	0.3	8.3
Sekondi Takoradi Metropolis	108,313	100.0	53.1	6.8	20.2	3.6	2.9	7.1	1.4	0.0	1.7	0.5	2.7
Shama	8,293	100.0	46.0	14.9	4.6	0.7	1.5	10.0	4.7	0.8	6.8	1.5	8.6
Wassa East	10,550	100.0	27.1	9.9	2.9	0.9	0.0	11.4	0.4	0.0	10.0	0.3	37.0
Tarkwa Nsuaem Municipal	33,419	100.0	36.6	4.4	45.1	0.8	0.4	5.1	0.1	0.0	6.5	0.1	0.9
Prestea/Huni Valley	23,045	100.0	50.6	11.2	13.1	5.8	0.1	5.2	0.3	0.0	8.2	0.0	5.4
Wassa Amenfi East	8,724	100.0	53.5	8.9	8.2	1.8	1.2	9.5	1.1	0.1	12.5	0.0	3.2
Wassa Amenfi West	10,267	100.0	42.1	8.7	23.3	2.0	2.8	11.5	0.0	0.0	0.9	0.0	8.7
Aowin	13,490	100.0	43.1	9.0	13.8	6.2	1.9	9.9	0.1	0.2	13.6	0.4	1.7
Sefwi Akontombra	4,634	100.0	40.9	5.6	7.7	7.1	0.2	18.7	1.1	0.2	17.0	0.0	1.5
Sefwi Wiawso	12,869	100.0	55.4	7.8	5.9	7.1	0.9	8.3	0.2	0.0	10.1	0.5	4.1
Sefwi Bibiani-Ahwiaso													
Bekwai	15,436	100.0	42.0	5.2	24.1	0.5	2.5	11.6	4.2	0.2	8.4	0.0	1.3
Juabeso	8,364	100.0	38.0	6.9	2.9	2.0	1.2	9.8	2.9	0.1	28.6	0.0	7.6
Bia west	13,860	100.0	50.1	6.3	5.3	4.6	4.7	4.9	2.2	0.4	5.0	0.3	16.2
Mpohor	3,791	100.0	28.8	32.4	7.8	0.0	1.0	17.0	1.2	0.2	3.5	0.1	8.1
Wassa Amenfi Central	7,496	100.0	45.0	12.3	4.5	5.2	0.1	10.2	1.1	0.1	21.0	0.3	0.1
Suaman	3,294	100.0	46.8	23.6	4.7	3.0	0.8	7.0	1.2	4.8	5.5	0.2	2.4
Bodi	4,772	100.0	52.1	11.2	0.6	0.3	0.3	11.3	0.4	0.0	21.2	0.1	2.6
Bia East	2,939	100.0	51.9	4.0	2.1	5.0	0.9	15.7	0.0	0.2	17.8	0.7	1.8

**Table A2.1: Distribution of establishments by sector and districts, Central Region**

Region/District	Industry		Service		Agriculture		All Sectors		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Industry	Services	Agriculture	All sectors
<b>Central Region</b>	<b>8,250</b>	<b>100.0</b>	<b>44,519</b>	<b>100.0</b>	<b>206</b>	<b>100.0</b>	<b>52,975</b>	<b>100.0</b>	<b>15.6</b>	<b>84.0</b>	<b>0.4</b>	<b>100.0</b>
Komenda-Edina-Eguafo-Abirem Municipal	372	4.5	2,080	4.7	31	15.0	2,483	4.7	15.0	83.8	1.2	100.0
Cape Coast Metropolis	1,024	12.4	5,401	12.1	16	7.8	6,441	12.2	15.9	83.9	0.2	100.0
Abura-Asebu-Kwamankese	355	4.3	2,064	4.6	9	4.4	2,428	4.6	14.6	85.0	0.4	100.0
Mfantiman	431	5.2	2,086	4.7	6	2.9	2,523	4.8	17.1	82.7	0.2	100.0
Ajumako-Enyan-Essiam	277	3.4	1,809	4.1	5	2.4	2,091	3.9	13.2	86.5	0.2	100.0
Gomoa West	293	3.6	1,973	4.4	7	3.4	2,273	4.3	12.9	86.8	0.3	100.0
Effutu Municipal	299	3.6	1,665	3.7	3	1.5	1,967	3.7	15.2	84.6	0.2	100.0
Gomoa East	694	8.4	3,903	8.8	20	9.7	4,617	8.7	15.0	84.5	0.4	100.0
Ewutu Senya	363	4.4	1,900	4.3	11	5.3	2,274	4.3	16.0	83.6	0.5	100.0
Agona East	258	3.1	1,324	3.0	9	4.4	1,591	3.0	16.2	83.2	0.6	100.0
Agona West Municipal	634	7.7	3,274	7.4	5	2.4	3,913	7.4	16.2	83.7	0.1	100.0
Asikuma-Odoben Brakwa	407	4.9	1,994	4.5	9	4.4	2,410	4.5	16.9	82.7	0.4	100.0
Assin South	236	2.9	1,479	3.3	5	2.4	1,720	3.2	13.7	86.0	0.3	100.0
Assin North Municipal	618	7.5	2,709	6.1	8	3.9	3,335	6.3	18.5	81.2	0.2	100.0
Twifo Ati Morkwa	299	3.6	1,620	3.6	23	11.2	1,942	3.7	15.4	83.4	1.2	100.0
Upper Denkyira East Municipal	416	5.0	2,026	4.6	5	2.4	2,447	4.6	17.0	82.8	0.2	100.0
Upper Denkyira West	170	2.1	1,495	3.4	4	1.9	1,669	3.2	10.2	89.6	0.2	100.0
Twifo Heman Lower Denkyira	259	3.1	871	2.0	9	4.4	1,139	2.2	22.7	76.5	0.8	100.0
Ekumfi	128	1.6	912	2.0	5	2.4	1,045	2.0	12.2	87.3	0.5	100.0
Awutu Senya East Municipal	717	8.7	3,934	8.8	16	7.8	4,667	8.8	15.4	84.3	0.3	100.0



**Table A2.2: Distribution of industry subsector establishments in Central Region by district**

Region/District	Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction		Industry Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Central Region</b>	<b>7,836</b>	100.0	14	100.0	41	100.0	72	100.0	287	100.0	8,250	100.0
Komenda-Edina-Eguafo-Abirem Municipal	365	4.7	0	0.0	3	7.3	2	2.8	2	0.7	372	4.5
Cape Coast Metropolis	876	11.2	0	0.0	9	22.0	6	8.3	133	46.3	1,024	12.4
Abura-Asebu-Kwamankese	341	4.4	1	7.1	1	2.4	6	8.3	6	2.1	355	4.3
Mfantsiman	401	5.1	0	0.0	2	4.9	6	8.3	22	7.7	431	5.2
Ajumako-Enyan-Essiam	265	3.4	0	0.0	2	4.9	1	1.4	9	3.1	277	3.4
Gomoa West	279	3.6	3	21.4	1	2.4	5	6.9	5	1.7	293	3.6
Effutu Municipal	282	3.6	1	7.1	2	4.9	1	1.4	13	4.5	299	3.6
Gomoa East	682	8.7	0	0.0	1	2.4	5	6.9	6	2.1	694	8.4
Ewutu Senya	356	4.5	0	0.0	4	9.8	1	1.4	2	0.7	363	4.4
Agona East	238	3.0	0	0.0	1	2.4	5	6.9	14	4.9	258	3.1
Agona West Municipal	612	7.8	0	0.0	3	7.3	5	6.9	14	4.9	634	7.7
Asikuma-Odoben Brakwa	390	5.0	1	7.1	6	14.6	6	8.3	4	1.4	407	4.9
Assin South	228	2.9	0	0.0	0	0.0	4	5.6	4	1.4	236	2.9
Assin North Municipal	602	7.7	0	0.0	0	0.0	6	8.3	10	3.5	618	7.5
Twifo Ati Morkwa	293	3.7	0	0.0	0	0.0	0	0.0	6	2.1	299	3.6
Upper Denkyira East Municipal	392	5.0	4	28.6	2	4.9	5	6.9	13	4.5	416	5.0
Upper Denkyira West	160	2.0	1	7.1	2	4.9	2	2.8	5	1.7	170	2.1
Twifo Heman Lower Denkyira	257	3.3	0	0.0	0	0.0	1	1.4	1	0.3	259	3.1
Ekumfi	122	1.6	1	7.1	0	0.0	2	2.8	3	1.0	128	1.6
Awutu Senya East Municipal	695	8.9	2	14.30	2	4.9	3	4.2	15	5.2	717	8.7

**Table A2.3: Distribution of agriculture subsector establishments in Central Region by district**

Region/District	Crops		Livestock		Forestry		Fishing		Agriculture Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Central Region</b>	<b>73</b>	100.0	<b>115</b>	100.0	<b>7</b>	100.0	<b>11</b>	100.0	<b>206</b>	100.0
Komenda-Edina-Eguafo-Abirem Municipal	21	28.8	6	5.2	2	28.6	2	18.2	31	15.0
Cape Coast Metropolis	3	4.1	9	7.8	1	14.3	3	27.3	16	7.8
Abura-Asebu-Kwamankese	0	0.0	8	7.0	0	0.0	1	9.1	9	4.4
Mfantiman	3	4.1	2	1.7	0	0.0	1	9.1	6	2.9
Ajumako-Enyan-Essiam	0	0.0	5	4.3	0	0.0	0	0.0	5	2.4
Gomoa West	1	1.4	5	4.3	0	0.0	1	9.1	7	3.4
Effutu Municipal	0	0.0	2	1.7	1	14.3	0	0.0	3	1.5
Gomoa East	4	5.5	16	13.9	0	0.0	0	0.0	20	9.7
Ewutu Senya	6	8.2	5	4.3	0	0.0	0	0.0	11	5.3
Agona East	1	1.4	8	7.0	0	0.0	0	0.0	9	4.4
Agona West Municipal	3	4.1	2	1.7	0	0.0	0	0.0	5	2.4
Asikuma-Odoben Brakwa	1	1.4	6	5.2	1	14.3	1	9.1	9	4.4
Assin South	1	1.4	4	3.5	0	0.0	0	0.0	5	2.4
Assin North Municipal	3	4.1	3	2.6	2	28.6	0	0.0	8	3.9
Twifo Ati Morkwa	17	23.3	6	5.2	0	0.0	0	0.0	23	11.2
Upper Denkyira East Municipal	4	5.5	1	0.9	0	0.0	0	0.0	5	2.4
Upper Denkyira West	2	2.7	2	1.7	0	0.0	0	0.0	4	1.9
Twifo Heman Lower Denkyira	0	0.0	8	7.0	0	0.0	1	9.1	9	4.4
Ekumfi	0	0.0	5	4.3	0	0.0	0	0.0	5	2.4
Awutu Senya East Municipal	3	4.1	12	10.4	0	0	1	9.1	16	7.8

**Table A2.4: Number of establishments in Central Region by district and LMSM**

Region/District	Large		Medium		Small		Micro		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Central Region</b>	<b>126</b>	100.0	<b>465</b>	100.0	<b>7,580</b>	100.0	<b>44,804</b>	100.0	<b>52,975</b>	100.0
Komenda-Edina-Eguafo-Abirem Municipal	8	6.3	28	6.0	305	4.0	2,142	4.8	2,483	4.7
Cape Coast Metropolis	29	23.0	90	19.4	820	10.8	5,502	12.3	6,441	12.2
Abura-Asebu-Kwamankese	3	2.4	13	2.8	419	5.5	1,993	4.4	2,428	4.6
Mfantiman	8	6.3	31	6.7	378	5.0	2,106	4.7	2,523	4.8
Ajumako-Enyan-Essiam	6	4.8	7	1.5	375	4.9	1,703	3.8	2,091	3.9
Gomoa West	2	1.6	11	2.4	311	4.1	1,949	4.4	2,273	4.3
Effutu Municipal	4	3.2	28	6.0	260	3.4	1,675	3.7	1,967	3.7
Gomoa East	4	3.2	27	5.8	574	7.6	4,012	9.0	4,617	8.7
Awutu Senya	3	2.4	19	4.1	336	4.4	1,916	4.3	2,274	4.3
Agona East	5	4.0	13	2.8	307	4.1	1,266	2.8	1,591	3.0
Agona West Municipal	9	7.1	33	7.1	470	6.2	3,401	7.6	3,913	7.4
Asikuma-Odoben Brakwa	4	3.2	12	2.6	314	4.1	2,080	4.6	2,410	4.5
Assin South	6	4.8	34	7.3	347	4.6	1,333	3.0	1,720	3.2
Assin North Municipal	7	5.6	29	6.2	533	7.0	2,766	6.2	3,335	6.3
TwifoAti Morkwa	11	8.7	21	4.5	392	5.2	1,518	3.4	1,942	3.7
Upper Denkyira East Municipal	10	7.9	19	4.1	365	4.8	2,053	4.6	2,447	4.6
Upper Denkyira West	1	0.8	7	1.5	172	2.3	1,489	3.3	1,669	3.2
Twifo Heman Lower Denkyira	1	0.8	5	1.1	174	2.3	959	2.1	1,139	2.2
Ekumfi	1	0.8	7	1.5	197	2.6	840	1.9	1,045	2.0
Awutu Senya East Municipal	4	3.2	31	6.7	531	7.0	4,101	9.2	4,667	8.8

**Table A2.5: Distribution of establishments in Central Region by district and size**

Regions/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Central	52,975	42,644	6,074	1,909	1,050	467	179	330	192	89	41
Komenda-Edina-Eguafo-Abirem Municipal	2,483	2,049	230	67	63	28	7	17	13	7	2
Cape Coast Metropolis	6,441	5,203	737	180	99	68	28	57	40	14	15
Abura-Asebu-Kwamankese	2,428	1,877	339	122	54	17	1	9	6	3	-
Mfantiman	2,523	1,985	320	91	55	22	8	22	12	5	3
Ajumako-Enyan-Essiam	2,091	1,605	269	88	76	27	12	2	6	5	1
Gomoa West	2,273	1,846	267	87	42	13	4	8	4	2	-
Effutu Municipal	1,967	1,594	205	83	28	15	9	18	11	2	2
Gomoa East	4,617	3,844	457	145	90	39	7	24	7	2	2
Ewutu Senya	2,274	1,833	278	73	35	20	11	13	8	2	1
Agona East	1,591	1,185	229	86	52	15	6	6	7	4	1
Agona West Municipal	3,913	3,282	359	103	82	29	10	26	13	6	3
Asikuma-Odoben Brakwa	2,410	2,012	210	74	74	16	6	10	4	3	1
Assin South	1,720	1,276	227	94	45	24	8	22	18	5	1
Assin North Municipal	3,335	2,608	452	145	53	26	8	23	11	7	2
Twifo Ati Morkwa	1,942	1,435	295	106	39	24	9	14	9	10	1
Upper Denkyira East Municipal	2,447	1,948	308	96	34	19	11	13	8	7	3
Upper Denkyira West	1,669	1,444	150	51	14	1	1	4	3	-	1
Twifo Heman Lower Denkyira	1,139	903	133	46	30	15	4	5	2	1	-
Ekumfi	1,045	805	135	51	35	8	1	6	3	1	-
Awutu Senya East Municipal	4,667	3,910	474	121	50	41	28	31	7	3	2

**Table A2.6: Number of establishments in Central Region by type of institutional registration**

Region/District	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
<b>Central Region</b>	<b>52,975</b>	<b>3,494</b>	<b>49,481</b>	<b>6.6</b>	<b>93.4</b>	<b>3.0</b>	<b>15.2</b>	<b>58.6</b>	<b>38.4</b>
Komenda-Edina-Eguafo-Abirem Municipal	2,483	114	2,369	4.6	95.4	3.9	10.8	65.8	48.2
Cape Coast Metropolis	6,441	767	5,674	11.9	88.1	2.9	21.8	70.5	63.9
Abura-Asebu-Kwamankese	2,428	143	2,285	5.9	94.1	4.1	14.2	50.4	25.4
Mfantiman	2,523	155	2,368	6.1	93.9	2.2	10.7	64.1	49.4
Ajumako-Enyan-Essiam	2,091	98	1,993	4.7	95.3	2.2	14.1	60.7	28.6
Gomoa West	2,273	118	2,155	5.2	94.8	2.1	11.8	58.8	24.9
Effutu Municipal	1,967	196	1,771	10.0	90.0	3.0	16.8	72.1	38.4
Gomoa East	4,617	270	4,347	5.8	94.2	2.0	13.3	50.1	22.6
Awutu Senya	2,274	153	2,121	6.7	93.3	3.6	13.9	59.7	28.2
Agona East	1,591	155	1,436	9.7	90.3	2.6	19.5	51.2	27.3
Agona West Municipal	3,913	214	3,699	5.5	94.5	4.5	12.6	67.0	51.9
Asikuma-Odoben Brakwa	2,410	104	2,306	4.3	95.7	3.6	10.8	48.1	31.3
Assin South	1,720	77	1,643	4.5	95.5	2.7	13.1	39.2	15.1
Assin North Municipal	3,335	168	3,167	5.0	95.0	4.0	16.3	49.5	29.3
TwifoAti Morkwa	1,942	115	1,827	5.9	94.1	1.3	19.1	50.6	18.4
Upper Denkyira East Municipal	2,447	176	2,271	7.2	92.8	4.2	16.0	70.7	51.7
Upper Denkyira West	1,669	53	1,616	3.2	96.8	2.6	10.1	37.2	36.8
Twifo Heman Lower Denkyira	1,139	71	1,068	6.2	93.8	3.9	15.9	53.6	16.8
Ekumfi	1,045	53	992	5.1	94.9	3.3	15.0	44.1	5.6
Awutu Senya East Municipal	4,667	294	4,373	6.3	93.7	2.3	17.7	64.1	56.2

*EPA: Environmental protection agency*

*RGD: Register general department*

*DA: District assembly*

*GRA: Ghana Revenue authority*

**Table A2.7: Number of establishments in Central Region by district and type of legal organization**

Region/District	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc.)	Quasi Government	Parastatal Government	Non Governmental Organization	Cooperative	Association/Groups
<b>Central</b>	<b>52,975</b>	<b>40,759</b>	<b>3,879</b>	<b>1,468</b>	<b>424</b>	<b>248</b>	<b>1,807</b>	<b>219</b>	<b>79</b>	<b>3,309</b>	<b>102</b>	<b>681</b>
Komenda-Edina-Eguafo-Abirem Municipal	2,483	1,920	254	31	8	20	75	6	3	148	2	16
Cape Coast Metropolis	6,441	5,364	379	300	51	27	128	11	2	93	9	77
Abura-Asebu-Kwamankese	2,428	1,654	207	71	6	16	123	18	0	322	4	7
Mfantsiman	2,523	2,012	222	52	12	2	83	5	2	77	6	50
Ajumako-Enyan-Essiam	2,091	1,404	209	29	9	7	136	13	12	254	3	15
Gomoa West	2,273	1,675	191	25	7	13	78	47	7	179	6	45
Effutu Municipal	1,967	1,623	133	37	13	24	33	15	5	51	5	28
Gomoa East	4,617	3,706	382	128	1	5	106	10	0	252	2	25
Ewutu Senya	2,274	1,781	169	72	13	12	70	15	1	47	15	79
Agona East	1,591	1,049	124	52	6	4	107	9	3	207	5	25
Agona West Municipal	3,913	3,264	255	68	37	14	103	7	6	100	16	43
Asikuma-Odoben Brakwa	2,410	1,741	191	69	29	14	120	13	11	198	2	22
Assin South	1,720	1,137	104	31	21	12	114	1	11	214	4	71
Assin North Municipal	3,335	2,395	151	128	67	21	123	7	2	398	3	40
Twifo Ati Morkwa	1,942	1,345	104	54	65	25	84	4	3	223	5	30
Upper Denkyira East Municipal	2,447	1,938	148	64	27	17	97	21	0	118	3	14
Upper Denkyira West	1,669	1,227	145	26	17	3	93	2	0	114	2	40
Twifo Heman Lower Denkyira	1,139	769	97	52	20	6	59	5	3	106	0	22
Ekumfi	1,045	701	74	9	2	2	63	9	0	176	8	1
Awutu Senya East Municipal	4,667	4,054	340	170	13	4	12	1	8	32	2	31

**Table A2.8: Number of establishments in Central Region by district and year of commencement**

Region/district	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Central</b>	<b>2,849</b>	100.0	<b>1,582</b>	100.0	<b>3,456</b>	100.0	<b>9,153</b>	100.0	<b>35,785</b>	100.0
Komenda-Edina-Eguafo-Abirem Municipal	126	4.4	84	5.3	167	4.8	457	5.0	1,647	4.6
Cape Coast Metropolis	334	11.7	280	17.7	572	16.6	1,351	14.8	3,890	10.9
Abura-Asebu-Kwamankese	221	7.8	84	5.3	196	5.7	435	4.8	1,492	4.2
Mfantiman	143	5.0	92	5.8	196	5.7	421	4.6	1,662	4.6
Ajumako-Enyan-Essiam	229	8.0	73	4.6	141	4.1	383	4.2	1,263	3.5
Gomoa West	183	6.4	61	3.9	187	5.4	385	4.2	1,436	4.0
Effutu Municipal	75	2.6	66	4.2	154	4.5	403	4.4	1,228	3.4
Gomoa East	111	3.9	36	2.3	132	3.8	496	5.4	3,841	10.7
Ewutu Senya	102	3.6	70	4.4	143	4.1	331	3.6	1,628	4.5
Agona East	135	4.7	66	4.2	118	3.4	273	3.0	999	2.8
Agona West Municipal	145	5.1	93	5.9	254	7.3	760	8.3	2,659	7.4
Asikuma-Odoben Brakwa	141	4.9	76	4.8	183	5.3	485	5.3	1,519	4.2
Assin South	158	5.5	59	3.7	156	4.5	354	3.9	986	2.8
Assin North Municipal	171	6.0	121	7.6	259	7.5	687	7.5	2,097	5.9
Twifo Ati Morkwa	120	4.2	88	5.6	156	4.5	388	4.2	1,180	3.3
Upper Denkyira East Municipal	145	5.1	88	5.6	158	4.6	353	3.9	1,698	4.7
Upper Denkyira West	79	2.8	57	3.6	69	2.0	232	2.5	1,232	3.4
Twifo Heman Lower Denkyira	85	3.0	32	2.0	85	2.5	234	2.6	703	2.0
Ekumfi	128	4.5	50	3.2	73	2.1	181	2.0	612	1.7
Awutu Senya East Municipal	18	0.6	6	0.4	57	1.6	544	5.9	4,013	11.2

**Table A2.9: Number of industry sector establishments in Central Region by district and year of commencement**

Region/district	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Central Rrgion</b>	<b>152</b>	<b>100.0</b>	<b>182</b>	<b>100.0</b>	<b>449</b>	<b>100.0</b>	<b>1,650</b>	<b>100.0</b>	<b>5,805</b>	<b>100.0</b>
Komenda-Edina-Eguafo-Abirem Municipal	2	1.3	10	5.5	21	4.7	85	5.2	254	4.4
Cape Coast Metropolis	45	29.6	57	31.3	85	18.9	229	13.9	608	10.5
Abura-Asebu-Kwamankese	4	2.6	8	4.4	23	5.1	73	4.4	247	4.3
Mfantsiman	12	7.9	21	11.5	24	5.3	95	5.8	277	4.8
Ajumako-Enyan-Essiam	12	7.9	3	1.6	18	4.0	61	3.7	183	3.2
Gomoa West	5	3.3	3	1.6	21	4.7	50	3.0	212	3.7
Effutu Municipal	12	7.9	6	3.3	31	6.9	73	4.4	175	3.0
Gomoa East	2	1.3	3	1.6	15	3.3	82	5.0	591	10.2
Ewutu Senya	3	2.0	9	4.9	22	4.9	58	3.5	271	4.7
Agona East	5	3.3	8	4.4	16	3.6	54	3.3	175	3.0
Agona West Municipal	15	9.9	15	8.2	42	9.4	138	8.4	424	7.3
Asikuma-Odoben Brakwa	5	3.3	7	3.8	26	5.8	81	4.9	288	5.0
Assin South	2	1.3	4	2.2	17	3.8	62	3.8	151	2.6
Assin North Municipal	7	4.6	9	4.9	25	5.6	143	8.7	434	7.5
Twifo Ati Morkwa	3	2.0	2	1.1	8	1.8	75	4.5	210	3.6
Upper Denkyira East Municipal	12	7.9	10	5.5	23	5.1	76	4.6	295	5.1
Upper Denkyira West	1	0.7	1	0.5	6	1.3	26	1.6	136	2.3
Twifo Heman Lower Denkyira	2	1.3	3	1.6	10	2.2	61	3.7	183	3.2
Ekumfi	2	1.3	2	1.1	9	2.0	27	1.6	88	1.5
Awutu Senya East Municipal	1	0.7	1	0.5	7	1.6	101	6.1	603	10.4



**Table A2.10: Number of services sector establishments in Central Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Central Rrgion</b>	<b>2,682</b>	100.0	<b>1,386</b>	100.0	<b>2,981</b>	100.0	<b>7,456</b>	100.0	<b>29,876</b>	100.0
Komenda-Edina-Eguafo-Abirem Municipal	121	4.5	73	5.3	142	4.8	361	4.8	1,381	4.6
Cape Coast Metropolis	287	10.7	223	16.1	485	16.3	1,118	15.0	3,274	11.0
Abura-Asebu-Kwamankese	217	8.1	76	5.5	173	5.8	360	4.8	1,238	4.1
Mfantiman	131	4.9	70	5.1	171	5.7	326	4.4	1,381	4.6
Ajumako-Enyan-Essiam	217	8.1	69	5.0	123	4.1	321	4.3	1,077	3.6
Gomoa West	177	6.6	58	4.2	166	5.6	334	4.5	1,219	4.1
Effutu Municipal	63	2.3	60	4.3	121	4.1	329	4.4	1,053	3.5
Gomoa East	108	4.0	32	2.3	112	3.8	411	5.5	3,240	10.8
Ewutu Senya	99	3.7	60	4.3	119	4.0	271	3.6	1,351	4.5
Agona East	129	4.8	57	4.1	102	3.4	217	2.9	819	2.7
Agona West Municipal	130	4.8	78	5.6	210	7.0	621	8.3	2,233	7.5
Asikuma-Odoben Brakwa	135	5.0	67	4.8	157	5.3	404	5.4	1,225	4.1
Assin South	156	5.8	55	4.0	139	4.7	291	3.9	831	2.8
Assin North Municipal	164	6.1	111	8.0	234	7.8	543	7.3	1,657	5.5
Twifo Ati Morkwa	113	4.2	81	5.8	144	4.8	309	4.1	964	3.2
Upper Denkyira East Municipal	131	4.9	78	5.6	134	4.5	276	3.7	1,402	4.7
Upper Denkyira West	78	2.9	56	4.0	63	2.1	204	2.7	1,094	3.7
Twifo Heman Lower Denkyira	83	3.1	29	2.1	75	2.5	170	2.3	514	1.7
Ekumfi	126	4.7	48	3.5	63	2.1	152	2.0	522	1.7
Awutu Senya East Municipal	17	0.6	5	0.4	48	1.6	438	5.9	3,401	11.4

**Table A2.11: Number of agriculture sector establishments in Central Region by district and year of commencement**

Region/district	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Central Region</b>	<b>15</b>	<b>100.0</b>	<b>14</b>	<b>100.0</b>	<b>26</b>	<b>100.0</b>	<b>47</b>	<b>100.0</b>	<b>104</b>	<b>100.0</b>
Komenda-Edina-Eguafo-Abirem Municipal	3	20.0	1	7.1	4	15.4	11	23.4	12	11.5
Cape Coast Metropolis	2	13.3	0	0.0	2	7.7	4	8.5	8	7.7
Abura-Asebu-Kwamankese	0	0.0	0	0.0	0	0.0	2	4.3	7	6.7
Mfantseman	0	0.0	1	7.1	1	3.8	0	0.0	4	3.8
Ajumako-Enyan-Essiam	0	0.0	1	7.1	0	0.0	1	2.1	3	2.9
Gomoa West	1	6.7	0	0.0	0	0.0	1	2.1	5	4.8
Effutu Municipal	0	0.0	0	0.0	2	7.7	1	2.1	0	0.0
Gomoa East	1	6.7	1	7.1	5	19.2	3	6.4	10	9.6
Ewutu Senya	0	0.0	1	7.1	2	7.7	2	4.3	6	5.8
Agona East	1	6.7	1	7.1	0	0.0	2	4.3	5	4.8
Agona West Municipal	0	0.0	0	0.0	2	7.7	1	2.1	2	1.9
Asikuma-Odoben Brakwa	1	6.7	2	14.3	0	0.0	0	0.0	6	5.8
Assin South	0	0.0	0	0.0	0	0.0	1	2.1	4	3.8
Assin North Municipal	0	0.0	1	7.1	0	0.0	1	2.1	6	5.8
Twifo Ati Morkwa	4	26.7	5	35.7	4	15.4	4	8.5	6	5.8
Upper Denkyira East Municipal	2	13.3	0	0.0	1	3.8	1	2.1	1	1.0
Upper Denkyira West	0	0.0	0	0.0	0	0.0	2	4.3	2	1.9
Twifo Heman Lower Denkyira	0	0.0	0	0.0	0	0.0	3	6.4	6	5.8
Ekumfi	0	0.0	0	0.0	1	3.8	2	4.3	2	1.9
Awutu Senya East Municipal	0	0.0	0	0.0	2	7.7	5	10.6	9	8.7

**Table A2.12: Distribution of persons engaged by establishments in Central Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
<b>Central Region</b>	232,078	33,928	194,358	3,792	100.0	14.6	83.7	1.6
Komenda-Edina-Eguafo-Abirem Municipal	10,886	1,319	9,435	132	100.0	12.1	86.7	1.2
Cape Coast Metropolis	35,073	8,154	26,789	130	100.0	23.2	76.4	0.4
Abura-Asebu-Kwamankese	9,570	1,039	8,503	28	100.0	10.9	88.9	0.3
Mfantseman	11,939	1,403	10,454	82	100.0	11.8	87.6	0.7
Ajumako-Enyan-Essiam	10,271	746	9,435	90	100.0	7.3	91.9	0.9
Gomoa West	8,218	827	7,374	17	100.0	10.1	89.7	0.2
Effutu Municipal	9,650	1,189	8,410	51	100.0	12.3	87.2	0.5
Gomoa East	16,734	2,552	14,036	146	100.0	15.3	83.9	0.9
Awutu Senya	9,226	1,043	7,430	753	100.0	11.3	80.5	8.2
Agona East	7,648	810	6,780	58	100.0	10.6	88.7	0.8
Agona West Municipal	15,316	2,269	12,952	95	100.0	14.8	84.6	0.6
Asikuma-Odoben Brakwa	8,840	1,218	7,532	90	100.0	13.8	85.2	1.0
Assin South	9,212	771	8,399	42	100.0	8.4	91.2	0.5
Assin North Municipal	14,952	2,017	12,782	153	100.0	13.5	85.5	1.0
TwifoAti Morkwa	11,193	2,658	7,299	1,236	100.0	23.7	65.2	11.0
Upper Denkyira East Municipal	13,078	1,468	11,464	146	100.0	11.2	87.7	1.1
Upper Denkyira West	4,921	774	4,131	16	100.0	15.7	83.9	0.3
Twifo Heman Lower Denkyira	4,444	958	3,467	19	100.0	21.6	78.0	0.4
Ekumfi	4,253	232	4,012	9	100.0	5.5	94.3	0.2
Awutu Senya East Municipal	16,654	2,481	13,674	499	100.0	14.9	82.1	3.0

**Table A2.13: Distribution of persons engaged in the Central region by district, sex and sector of establishment**

Region/District	Both Sexes				Male				Female			
	All	Industry	Service	Agricu- lture	All	Industry	Service	Agricul- ture	All	Industry	Service	Agricul- ture
	Sectors				Sectors				Sectors			
Central Region	232,078	33,928	194,358	3,792	129,972	19,457	107,896	2,619	102,106	14,471	86,462	1,173
Komenda-Edina-Eguafo-Abirem Municipal	10,886	1,319	9,435	132	5,350	521	4,747	82	5,536	798	4,688	50
Cape Coast Metropolis	35,073	8,154	26,789	130	20,543	5,116	15,326	101	14,530	3,038	11,463	29
Abura-Asebu-Kwamankese	9,570	1,039	8,503	28	5,089	545	4,522	22	4,481	494	3,981	6
Mfantsiman	11,939	1,403	10,454	82	6,226	719	5,455	52	5,713	684	4,999	30
Ajumako-Enyan-Essiam	10,271	746	9,435	90	5,808	404	5,347	57	4,463	342	4,088	33
Gomoa West	8,218	827	7,374	17	4,525	405	4,107	13	3,693	422	3,267	4
Effutu Municipal	9,650	1,189	8,410	51	5,337	695	4,594	48	4,313	494	3,816	3
Gomoa East	16,734	2,552	14,036	146	8,720	1,641	6,963	116	8,014	911	7,073	30
Awutu Senya	9,226	1,043	7,430	753	5,049	536	4,055	458	4,177	507	3,375	295
Agona East	7,648	810	6,780	58	4,472	513	3,913	46	3,176	297	2,867	12
Agona West Municipal	15,316	2,269	12,952	95	8,475	1,243	7,162	70	6,841	1,026	5,790	25
Asikuma-Odoben Brakwa	8,840	1,218	7,532	90	4,903	629	4,200	74	3,937	589	3,332	16
Assin South	9,212	771	8,399	42	5,223	474	4,712	37	3,989	297	3,687	5
Assin North Municipal	14,952	2,017	12,782	153	8,769	1,115	7,516	138	6,183	902	5,266	15
TwifoAti Morkwa	11,193	2,658	7,299	1,236	6,965	1,705	4,431	829	4,228	953	2,868	407
Upper Denkyira East Municipal	13,078	1,468	11,464	146	8,049	760	7,164	125	5,029	708	4,300	21
Upper Denkyira West	4,921	774	4,131	16	2,807	448	2,346	13	2,114	326	1,785	3
Twifo Heman Lower Denkyira	4,444	958	3,467	19	2,568	461	2,092	15	1,876	497	1,375	4
Ekumfi	4,253	232	4,012	9	2,270	135	2,127	8	1,983	97	1,885	1
Awutu Senya East Municipal	16,654	2,481	13,674	499	8,824	1,392	7,117	315	7,830	1,089	6,557	184

**Table A2.14: Distribution of persons engaged by establishments in Central Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Percentage		Number	Percentage		Number	Percentage		Number	Percentage	
		Male	Female		Male	Female		Male	Female		Male	Female
<b>Central Region</b>	<b>232,078</b>	56.0	44.0	<b>33,928</b>	57.3	42.7	<b>194,358</b>	55.5	44.5	<b>3,792</b>	69.1	30.9
Komenda-Edina-Eguafo-Abirem Municipal	10,886	49.1	50.9	1,319	39.5	60.5	9,435	50.3	49.7	132	62.1	37.9
Cape Coast Metropolis	35,073	58.6	41.4	8,154	62.7	37.3	26,789	57.2	42.8	130	77.7	22.3
Abura-Asebu-Kwamankese	9,570	53.2	46.8	1,039	52.5	47.5	8,503	53.2	46.8	28	78.6	21.4
Mfantiman	11,939	52.1	47.9	1,403	51.2	48.8	10,454	52.2	47.8	82	63.4	36.6
Ajumako-Enyan-Essiam	10,271	56.5	43.5	746	54.2	45.8	9,435	56.7	43.3	90	63.3	36.7
Gomoa West	8,218	55.1	44.9	827	49.0	51.0	7,374	55.7	44.3	17	76.5	23.5
Effutu Municipal	9,650	55.3	44.7	1,189	58.5	41.5	8,410	54.6	45.4	51	94.1	5.9
Gomoa East	16,734	52.1	47.9	2,552	64.3	35.7	14,036	49.6	50.4	146	79.5	20.5
Awutu Senya	9,226	54.7	45.3	1,043	51.4	48.6	7,430	54.6	45.4	753	60.8	39.2
Agona East	7,648	58.5	41.5	810	63.3	36.7	6,780	57.7	42.3	58	79.3	20.7
Agona West Municipal	15,316	55.3	44.7	2,269	54.8	45.2	12,952	55.3	44.7	95	73.7	26.3
Asikuma-Odoben Brakwa	8,840	55.5	44.5	1,218	51.6	48.4	7,532	55.8	44.2	90	82.2	17.8
Assin South	9,212	56.7	43.3	771	61.5	38.5	8,399	56.1	43.9	42	88.1	11.9
Assin North Municipal	14,952	58.6	41.4	2,017	55.3	44.7	12,782	58.8	41.2	153	90.2	9.8
TwifoAti Morkwa	11,193	62.2	37.8	2,658	64.1	35.9	7,299	60.7	39.3	1,236	67.1	32.9
Upper Denkyira East Municipal	13,078	61.5	38.5	1,468	51.8	48.2	11,464	62.5	37.5	146	85.6	14.4
Upper Denkyira West	4,921	57.0	43.0	774	57.9	42.1	4,131	56.8	43.2	16	81.3	18.8
Twifo Heman Lower Denkyira	4,444	57.8	42.2	958	48.1	51.9	3,467	60.3	39.7	19	78.9	21.1
Ekumfi	4,253	53.4	46.6	232	58.2	41.8	4,012	53.0	47.0	9	88.9	11.1
Awutu Senya East Municipal	16,654	53.0	47.0	2,481	56.1	43.9	13,674	52.0	48.0	499	63.1	36.9

**Table A2.15: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment										
		Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Central</b>	<b>Total</b>	<b>232,078</b>	<b>79,936</b>	<b>38,608</b>	<b>22,013</b>	<b>17,414</b>	<b>9,976</b>	<b>4,700</b>	<b>11,874</b>	<b>12,384</b>	<b>11,781</b>	<b>23,392</b>
	Male	129,972	38,372	22,952	13,325	10,225	5,715	2,866	7,017	7,672	7,538	14,290
	Female	102,106	41,564	15,656	8,688	7,189	4,261	1,834	4,857	4,712	4,243	9,102
Komenda-Edina-Eguafo-Abirem Municipality	<b>Total</b>	10,886	3,698	1,429	765	1,048	595	184	632	870	951	714
	Male	5,350	1,615	693	418	552	298	80	320	521	516	337
	Female	5,536	2,083	736	347	496	297	104	312	349	435	377
Cape Coast Metropolis	<b>Total</b>	35,073	9,583	4,528	2,099	1,653	1,464	732	2,055	2,619	1,888	8,452
	Male	20,543	4,409	3,159	1,325	933	818	469	1,399	1,716	1,263	5,052
	Female	14,530	5,174	1,369	774	720	646	263	656	903	625	3,400
Abura-Asebu-Kwamankese	<b>Total</b>	9,570	3,585	2,174	1,405	889	357	25	308	425	402	0
	Male	5,089	1,606	1,170	837	525	198	25	150	350	228	0
	Female	4,481	1,979	1,004	568	364	159	0	158	75	174	0
Mfantsiman	<b>Total</b>	11,939	3,659	1,996	1,044	904	458	212	804	766	578	1,518
	Male	6,226	1,703	1,115	636	486	255	138	436	459	292	706
	Female	5,713	1,956	881	408	418	203	74	368	307	286	812
Ajumako-Enyan-Essiam	<b>Total</b>	10,271	3,026	1,762	1,007	1,250	578	308	79	389	589	1,283
	Male	5,808	1,398	1,009	600	764	330	194	75	268	413	757
	Female	4,463	1,628	753	407	486	248	114	4	121	176	526
Gomoa West	<b>Total</b>	8,218	3,528	1,669	1,033	691	280	110	286	306	315	0
	Male	4,525	1,725	942	589	418	166	74	167	223	221	0
	Female	3,693	1,803	727	444	273	114	36	119	83	94	0
Effutu Municipal	<b>Total</b>	9,650	3,034	1,299	969	475	319	237	648	681	279	1,709
	Male	5,337	1,366	730	546	251	165	143	421	394	180	1,141
	Female	4,313	1,668	569	423	224	154	94	227	287	99	568
Gomoa East	<b>Total</b>	16,734	7,497	2,866	1,679	1,498	830	184	831	466	275	608
	Male	8,720	3,304	1,610	960	926	490	59	517	279	198	377
	Female	8,014	4,193	1,256	719	572	340	125	314	187	77	231
Awutu Senya	<b>Total</b>	9,226	3,479	1,817	857	587	423	290	479	507	312	475
	Male	5,049	1,655	1,065	517	331	239	164	281	356	161	280
	Female	4,177	1,824	752	340	256	184	126	198	151	151	195

**Table A2.16: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment										
		Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Agona East	<b>Total</b>	7,648	2,249	1,474	982	868	318	161	219	465	591	321
	Male	4,472	1,164	941	588	515	167	96	141	293	353	214
	Female	3,176	1,085	533	394	353	151	65	78	172	238	107
Agona West Municipal	<b>Total</b>	15,316	6,302	2,288	1,164	1,371	635	259	939	815	801	742
	Male	8,475	3,049	1,336	705	761	392	204	566	479	665	318
	Female	6,841	3,253	952	459	610	243	55	373	336	136	424
Asikuma-Odoben Brakwa	<b>Total</b>	8,840	3,561	1,357	855	1,233	352	161	353	264	448	256
	Male	4,903	1,794	762	553	713	230	125	212	152	224	138
	Female	3,937	1,767	595	302	520	122	36	141	112	224	118
Assin South	<b>Total</b>	9,212	2,321	1,518	1,053	742	496	213	820	1,117	652	280
	Male	5,223	1,194	948	679	477	248	151	393	507	473	153
	Female	3,989	1,127	570	374	265	248	62	427	610	179	127
Assin North Municipal	<b>Total</b>	14,952	4,863	2,870	1,658	875	562	210	842	643	832	1,597
	Male	8,769	2,592	1,775	1,088	557	330	155	384	392	506	990
	Female	6,183	2,271	1,095	570	318	232	55	458	251	326	607
TwifoAti Morkwa	<b>Total</b>	11,193	2,702	1,948	1,253	640	507	232	503	604	1,363	1,441
	Male	6,965	1,478	1,212	795	410	320	135	299	329	878	1,109
	Female	4,228	1,224	736	458	230	187	97	204	275	485	332
Upper Denkyira East Municipal	<b>Total</b>	13,078	3,788	1,969	1,098	566	406	289	470	525	917	3,050
	Male	8,049	1,802	1,226	668	348	309	196	347	420	620	2,113
	Female	5,029	1,986	743	430	218	97	93	123	105	297	937
Upper Denkyira West	<b>Total</b>	4,921	2,524	954	576	230	21	29	159	201	0	227
	Male	2,807	1,316	554	352	140	14	19	84	177	0	151
	Female	2,114	1,208	400	224	90	7	10	75	24	0	76
Twifo Heman Lower Denkyira	<b>Total</b>	4,444	1,737	843	541	484	318	107	172	119	123	0
	Male	2,568	1,019	502	350	264	180	34	67	102	50	0
	Female	1,876	718	341	191	220	138	73	105	17	73	0
Ekumfi	<b>Total</b>	4,253	1,458	890	586	572	180	25	217	220	105	0
	Male	2,270	640	524	376	365	101	15	127	46	76	0
	Female	1,983	818	366	210	207	79	10	90	174	29	0
Awutu Senya East Municipal	<b>Total</b>	16,654	7,342	2,957	1,389	838	877	732	1,058	382	360	719
	Male	8,824	3,543	1,679	743	489	465	390	631	209	221	454
	Female	7,830	3,799	1,278	646	349	412	342	427	173	139	265

**Table A2.17: Distribution of persons engaged by establishments in Central region by district, status of engagement and LSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro
<b>Central Region</b>	<b>232,078</b>	<b>34,773</b>	<b>22,828</b>	<b>83,741</b>	<b>90,736</b>	<b>188,677</b>	<b>26,066</b>	<b>19,646</b>	<b>70,458</b>	<b>72,507</b>	<b>43,401</b>	<b>8,707</b>	<b>3,182</b>	<b>13,283</b>	<b>18,229</b>
Komenda-Edina-Eguafo-Abirem Municipal	10,886	1,565	1,512	3,646	4,163	8,819	1,277	1,239	3,031	3,272	2,067	288	273	615	891
Cape Coast Metropolis	35,073	10,340	4,464	9,191	11,078	27,626	6,428	4,109	7,810	9,279	7,447	3,912	355	1,381	1,799
Abura-Asebu-Kwamankese	9,570	402	673	4,330	4,165	7,950	360	580	3,774	3,236	1,620	42	93	556	929
Mfantiman	11,939	2,096	1,480	4,099	4,264	8,878	1,107	1,113	3,350	3,308	3,061	989	367	749	956
Ajumako-Enyan-Essiam	10,271	1,872	438	4,445	3,516	9,243	1,831	376	4,078	2,958	1,028	41	62	367	558
Gomoa West	8,218	315	562	3,298	4,043	6,396	315	490	2,567	3,024	1,822	0	72	731	1,019
Effutu Municipal	9,650	1,988	1,299	2,924	3,439	7,843	1,809	1,100	2,338	2,596	1,807	179	199	586	843
Gomoa East	16,734	883	1,177	6,337	8,337	12,692	516	1,109	5,010	6,057	4,042	367	68	1,327	2,280
Awutu Senya	9,226	787	926	3,619	3,894	7,483	407	831	3,089	3,156	1,743	380	95	530	738
Agona East	7,648	912	684	3,398	2,654	6,606	900	646	2,896	2,164	1,042	12	38	502	490
Agona West Municipal	15,316	1,543	1,574	5,302	6,897	12,156	1,064	1,301	4,299	5,492	3,160	479	273	1,003	1,405
Asikuma-Odoben Brakwa	8,840	704	557	3,678	3,901	7,681	631	379	3,293	3,378	1,159	73	178	385	523
Assin South	9,212	932	1,757	3,917	2,606	7,996	747	1,486	3,569	2,194	1,216	185	271	348	412
Assin North Municipal	14,952	2,229	1,475	5,595	5,653	12,236	2,131	1,259	4,517	4,329	2,716	98	216	1,078	1,324
TwifoAti Morkwa	11,193	2,804	1,047	4,225	3,117	8,866	1,727	917	3,663	2,559	2,327	1,077	130	562	558
Upper Denkyira East Municipal	13,078	3,967	935	3,863	4,313	10,949	3,666	772	3,125	3,386	2,129	301	163	738	927
Upper Denkyira West	4,921	227	360	1,585	2,749	4,348	227	351	1,382	2,388	573	0	9	203	361
Twifo Heman Lower Denkyira	4,444	123	231	2,073	2,017	3,536	120	133	1,686	1,597	908	3	98	387	420
Ekumfi	4,253	105	377	2,138	1,633	3,768	105	344	1,985	1,334	485	0	33	153	299
Awutu Senya East Municipal	16,654	979	1,300	6,078	8,297	13,605	698	1,111	4,996	6,800	3,049	281	189	1,082	1,497



**Table A2.18: Distribution of persons engaged in Central Region by district and LSM establishments**

Region/District	Number of Persons engaged					Percentage distribution by size				
	All Establishments	Large	Medium	Small	Micro	All Establishments	Large	Medium	Small	Micro
Central Region	232,078	34,773	22,828	83,741	90,736	100.0	15.0	9.8	36.1	39.1
Komenda-Edina-Eguafo-Abirem Municipal	10,886	1,565	1,512	3,646	4,163	100.0	14.4	13.9	33.5	38.2
Cape Coast Metropolis	35,073	10,340	4,464	9,191	11,078	100.0	29.5	12.7	26.2	31.6
Abura-Asebu-Kwamankese	9,570	402	673	4,330	4,165	100.0	4.2	7.0	45.3	43.5
Mfantsiman	11,939	2,096	1,480	4,099	4,264	100.0	17.6	12.4	34.3	35.7
Ajumako-Enyan-Essiam	10,271	1,872	438	4,445	3,516	100.0	18.2	4.3	43.3	34.2
Gomoa West	8,218	315	562	3,298	4,043	100.0	3.8	6.8	40.1	49.2
Effutu Municipal	9,650	1,988	1,299	2,924	3,439	100.0	20.6	13.5	30.3	35.6
Gomoa East	16,734	883	1,177	6,337	8,337	100.0	5.3	7.0	37.9	49.8
Awutu Senya	9,226	787	926	3,619	3,894	100.0	8.5	10.0	39.2	42.2
Agona East	7,648	912	684	3,398	2,654	100.0	11.9	8.9	44.4	34.7
Agona West Municipal	15,316	1,543	1,574	5,302	6,897	100.0	10.1	10.3	34.6	45.0
Asikuma-Odoben Brakwa	8,840	704	557	3,678	3,901	100.0	8.0	6.3	41.6	44.1
Assin South	9,212	932	1,757	3,917	2,606	100.0	10.1	19.1	42.5	28.3
Assin North Municipal	14,952	2,229	1,475	5,595	5,653	100.0	14.9	9.9	37.4	37.8
TwifoAti Morkwa	11,193	2,804	1,047	4,225	3,117	100.0	25.1	9.4	37.8	27.9
Upper Denkyira East Municipal	13,078	3,967	935	3,863	4,313	100.0	30.3	7.2	29.5	33.0
Upper Denkyira West	4,921	227	360	1,585	2,749	100.0	4.6	7.3	32.2	55.9
Twifo Heman Lower Denkyira	4,444	123	231	2,073	2,017	100.0	2.8	5.2	46.7	45.4
Ekumfi	4,253	105	377	2,138	1,633	100.0	2.5	8.9	50.3	38.4
Awutu Senya East Municipal	16,654	979	1,300	6,078	8,297	100.0	5.9	7.8	36.5	49.8

**Table A2.19: Distribution of persons engaged in Central Region by district and LSM establishments**

Region/District	All persons			Large			Medium			Small			Micro		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Central Region</b>	<b>232,078</b>	81.3	19.0	<b>34,773</b>	75.0	25.0	<b>22,828</b>	86.1	13.9	<b>83,741</b>	84.1	15.9	<b>90,736</b>	79.9	20.1
Komenda-Edina-Eguafo-Abirem Municipal	10,886	81.0	19.0	1,565	81.6	18.4	1,512	81.9	18.1	3,646	83.1	16.9	4,163	78.6	21.4
Cape Coast Metropolis	35,073	78.8	21.0	10,340	62.2	37.8	4,464	92.0	8.0	9,191	85.0	15.0	11,078	83.8	16.2
Abura-Asebu-Kwamankese	9,570	83.1	17.0	402	89.6	10.4	673	86.2	13.8	4,330	87.2	12.8	4,165	77.7	22.3
Mfantisman	11,939	74.4	26.0	2,096	52.8	47.2	1,480	75.2	24.8	4,099	81.7	18.3	4,264	77.6	22.4
Ajumako-Enyan-Essiam	10,271	90.0	10.0	1,872	97.8	2.2	438	85.8	14.2	4,445	91.7	8.3	3,516	84.1	15.9
Gomoa West	8,218	77.8	22.0	315	100.0	0.0	562	87.2	12.8	3,298	77.8	22.2	4,043	74.8	25.2
Effutu Municipal	9,650	81.3	19.0	1,988	91.0	9.0	1,299	84.7	15.3	2,924	80.0	20.0	3,439	75.5	24.5
Gomoa East	16,734	75.8	24.0	883	58.4	41.6	1,177	94.2	5.8	6,337	79.1	20.9	8,337	72.7	27.3
Awutu Senya	9,226	81.1	19.0	787	51.7	48.3	926	89.7	10.3	3,619	85.4	14.6	3,894	81.0	19.0
Agona East	7,648	86.4	14.0	912	98.7	1.3	684	94.4	5.6	3,398	85.2	14.8	2,654	81.5	18.5
Agona West Municipal	15,316	79.4	21.0	1,543	69.0	31.0	1,574	82.7	17.3	5,302	81.1	18.9	6,897	79.6	20.4
Asikuma-Odoben Brakwa	8,840	86.9	13.0	704	89.6	10.4	557	68.0	32.0	3,678	89.5	10.5	3,901	86.6	13.4
Assin South	9,212	86.8	13.0	932	80.2	19.8	1,757	84.6	15.4	3,917	91.1	8.9	2,606	84.2	15.8
Assin North Municipal	14,952	81.8	18.0	2,229	95.6	4.4	1,475	85.4	14.6	5,595	80.7	19.3	5,653	76.6	23.4
TwifoAti Morkwa	11,193	79.2	21.0	2,804	61.6	38.4	1,047	87.6	12.4	4,225	86.7	13.3	3,117	82.1	17.9
Upper Denkyira East Municipal	13,078	83.7	16.0	3,967	92.4	7.6	935	82.6	17.4	3,863	80.9	19.1	4,313	78.5	21.5
Upper Denkyira West	4,921	88.4	12.0	227	100.0	0.0	360	97.5	2.5	1,585	87.2	12.8	2,749	86.9	13.1
Twifo Heman Lower Denkyira	4,444	79.6	20.0	123	97.6	2.4	231	57.6	42.4	2,073	81.3	18.7	2,017	79.2	20.8
Ekumfi	4,253	88.6	11.4	105	100	0.0	377	91.2	8.8	2,138	92.8	7.2	1,633	81.7	18.3
Awutu Senya East Municipal	16,654	81.7	18.3	979	71.3	28.7	1,300	85.5	14.5	6,078	82.2	17.8	8,297	82.0	18.0

**Table A2.20: Distribution of persons engaged in establishments in Central Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											Overall
		Sole Proprietorship	Partnership	Private Limited Company by Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs)	Quasi Government	Parastatal Government	Non Governmental Organization (NGO)	Cooperative	Association/Groups	
<b>Central Region</b>	232,078	50.6	6.8	8.0	2.9	1.7	14.7	1.7	0.2	10.2	0.4	2.6	100.0
Komenda-Edina-Eguafo-Abirem Municipal	10,886	46.5	9.7	6.3	2.0	5.3	17.9	0.7	0.3	8.8	0.3	2.2	100.0
Cape Coast Metropolis	35,073	47.3	4.8	21.9	7.1	1.2	12.2	0.6	0.2	2.6	0.3	1.7	100.0
Abura-Asebu-Kwamankese	9,570	43.2	7.5	3.2	0.4	1.2	17.2	4.4	0.0	22.3	0.1	0.5	100.0
Mfantsiman	11,939	59.3	8.0	3.4	1.9	0.2	13.4	2.6	0.2	7.9	0.3	2.8	100.0
Ajumako-Enyan-Essiam	10,271	33.9	6.9	1.8	0.3	0.7	30.5	3.9	0.7	20.4	0.1	0.8	100.0
Gomoa West	8,218	50.0	7.9	5.1	0.8	2.2	13.9	4.7	0.3	11.9	0.4	2.9	100.0
Effutu Municipal	9,650	48.1	5.9	4.2	2.0	6.0	21.0	6.0	0.3	4.2	0.4	1.9	100.0
Gomoa East	16,734	59.4	9.5	9.1	0.2	1.0	8.5	1.0	0.0	10.3	0.1	1.0	100.0
Ewutu Senya	9,226	53.3	6.7	12.8	1.5	2.9	10.6	1.4	0.1	3.8	1.1	5.8	100.0
Agona East	7,648	39.9	5.1	11.1	0.6	0.2	20.2	4.0	0.2	16.6	0.3	1.7	100.0
Agona West Municipal	15,316	58.3	8.1	5.1	3.0	1.0	14.5	0.2	0.2	4.5	1.8	3.2	100.0
Asikuma-Odoben Brakwa	8,840	46.8	7.9	3.0	1.0	1.6	19.6	2.7	0.7	13.9	0.1	2.6	100.0
Assin South	9,212	29.6	3.3	2.8	1.2	1.1	19.7	0.2	0.8	21.3	0.4	19.6	100.0
Assin North Municipal	14,952	43.1	4.8	4.0	1.7	2.0	20.1	0.8	0.0	21.4	0.2	1.9	100.0
Twifo Ati Morkwa	11,193	50.1	5.1	2.1	14.8	2.6	8.0	0.9	0.0	14.6	0.4	1.3	100.0
Upper Denkyira East Municipal	13,078	61.9	4.5	5.7	2.3	2.3	13.7	3.2	0.0	5.4	0.4	0.7	100.0
Upper Denkyira West	4,921	57.9	9.1	2.2	1.9	0.5	21.2	0.3	0.0	5.4	0.2	1.1	100.0
Twifo Heman Lower Denkyira	4,444	45.1	9.8	6.2	2.9	2.0	17.6	0.8	0.8	10.9	0.0	3.9	100.0
Ekumfi	4,253	33.0	5.1	1.2	0.9	0.3	20.3	1.8	0.0	35.7	1.3	0.2	100.0
Awutu Senya East Municipal	16,654	73.8	9.1	9.9	0.8	0.9	1.8	0.0	0.4	1.9	0.1	1.4	100.0

**Table A3.1: Distribution of establishments by sector and districts, Greater Accra Region**

Region/District	All Sectors		Industry		Service		Agriculture		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	All sectors	Industry	Services	Agriculture
<b>Greater Accra Region</b>	<b>177,152</b>	<b>100.0</b>	<b>27,302</b>	<b>100.0</b>	<b>149,512</b>	<b>100.0</b>	<b>338</b>	<b>100.0</b>	<b>100.0</b>	<b>15.4</b>	<b>84.4</b>	<b>0.2</b>
Ga South Municipal	11,810	6.7	1,715	6.3	10,079	6.7	16	4.7	100.0	14.5	85.3	0.1
Ga West Municipal	9,587	5.4	1,454	5.3	8,130	5.4	3	0.9	100.0	15.2	84.8	0.0
Ga East Municipal	6,761	3.8	1,011	3.7	5,743	3.8	7	2.1	100.0	15.0	84.9	0.1
Accra Metropolis	80,824	45.6	12,311	45.1	68,333	45.7	180	53.3	100.0	15.2	84.5	0.2
Adenta Municipal	6,681	3.8	1,127	4.1	5,545	3.7	9	2.7	100.0	16.9	83.0	0.1
Ledzokuku Krowor Municipal	8,775	5.0	1,189	4.4	7,581	5.1	5	1.5	100.0	13.5	86.4	0.1
Ashaiman Municipal	7,775	4.4	1,354	5.0	6,414	4.3	7	2.1	100.0	17.4	82.5	0.1
Tema Metropolis	17,250	9.7	2,655	9.7	14,545	9.7	50	14.8	100.0	15.4	84.3	0.3
Shai Osudoku	415	0.2	65	0.2	345	0.2	5	1.5	100.0	15.7	83.1	1.2
Ada East	1,309	0.7	250	0.9	1,056	0.7	3	0.9	100.0	19.1	80.7	0.2
Ga Central Municipal	5,447	3.1	790	2.9	4,655	3.1	2	0.6	100.0	14.5	85.5	0.0
La Dadekotopon Municipal	5,771	3.3	913	3.3	4,851	3.2	7	2.1	100.0	15.8	84.1	0.1
La Nkwantanang-Madina Municipal	5,845	3.3	892	3.3	4,947	3.3	6	1.8	100.0	15.3	84.6	0.1
Kpone Katamanso	5,429	3.1	870	3.2	4,547	3.0	12	3.6	100.0	16.0	83.8	0.2
Ningo Prampram	2,720	1.5	534	2.0	2,162	1.4	24	7.1	100.0	19.6	79.5	0.9
Ada West	753	0.4	172	0.6	579	0.4	2	0.6	100.0	22.8	76.9	0.3

**Table A3.2: Distribution of industry subsector establishments in Greater Accra Region by district**

Region/District	Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction		Industry Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Greater Accra Region</b>	<b>23,313</b>	100.0	<b>260</b>	100.0	<b>264</b>	100.00	<b>224</b>	100.0	<b>3,241</b>	100.0	<b>27,302</b>	100.0
Ga South Municipal	1,610	6.9	3	1.2	28	10.6	5	2.2	69	2.1	1,715	6.3
Ga West Municipal	1,347	5.8	1	0.4	9	3.4	10	4.5	87	2.7	1,454	5.3
Ga East Municipal	956	4.1	1	0.4	3	1.1	9	4.0	42	1.3	1,011	3.7
Accra Metropolis	9,648	41.4	204	78.5	117	44.3	97	43.3	2,245	69.3	12,311	45.1
Adenta Municipal	994	4.3	6	2.3	8	3.0	16	7.1	103	3.2	1,127	4.1
Ledzokuku Krowor Municipal	1,067	4.6	-	0.0	18	6.8	7	3.1	97	3.0	1,189	4.4
Ashaiman Municipal	1,318	5.7	-	0.0	7	2.7	2	0.9	27	0.8	1,354	5.0
Tema Metropolis	2,149	9.2	25	9.6	41	15.5	19	8.5	421	13.0	2,655	9.7
Shai Osudoku	58	0.2	-	0.0	-	0.0	1	0.4	6	0.2	65	0.2
Ada East	239	1.0	-	0.0	3	1.1	4	1.8	4	0.1	250	0.9
Ga Central Municipal	755	3.2	-	0.0	9	3.4	3	1.3	23	0.7	790	2.9
La Dadekotopon Municipal	836	3.6	14	5.4	6	2.3	4	1.8	53	1.6	913	3.3
La Nkwantanang-Madina Municipal	847	3.6	2	0.8	4	1.5	6	2.7	33	1.0	892	3.3
Kpone Katamanso	835	3.6	-	0.0	5	1.9	7	3.1	23	0.7	870	3.2
Ningo Prampram	487	2.1	2	0.8	5	1.9	33	14.7	7	0.2	534	2.0
Ada West	167	0.7	2	0.8	1	0.4	1	0.4	1	0.0	172	0.6

**Table A3.3: Distribution of services subsector establishments in Greater Accra Region by district**

Region/District	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Professional, Scientific and Technical	Administrative and support Service Activity	Public Administration and Defence	Education	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services	Household Employers	Extraterritorial Organizations	Services Total
<b>Greater Accra Region</b>	<b>84,681</b>	<b>1,714</b>	<b>14,633</b>	<b>1,760</b>	<b>2,954</b>	<b>532</b>	<b>3,840</b>	<b>2,609</b>	<b>592</b>	<b>6,044</b>	<b>1,631</b>	<b>1,912</b>	<b>26,522</b>	<b>10</b>	<b>78</b>	<b>149,512</b>
Ga South Municipal	5,822	11	996	72	90	22	145	109	7	534	91	72	2,108	-	-	10,079
Ga West Municipal	4,788	11	897	76	86	18	67	122	16	351	61	103	1,534	-	-	8,130
Ga East Municipal	3,250	13	626	64	89	10	72	67	19	209	43	83	1,197	-	1	5,743
Accra Metropolis	39,243	656	5,789	1,065	1,741	329	2,450	1,486	357	2,570	893	770	10,909	9	66	68,333
Adenta Municipal	3,204	18	551	53	86	31	84	78	14	222	50	12	1,142	-	-	5,545
Ledzokuku Krowor Municipal	4,367	49	893	60	129	12	145	105	14	320	50	96	1,341	-	-	7,581
Ashaiman Municipal	3,575	17	709	26	55	7	84	66	21	269	46	203	1,334	-	2	6,414
Tema Metropolis	7,602	823	1,558	157	365	60	444	266	52	553	198	278	2,187	1	1	14,545
Shai Osudoku	160	-	39	-	3	-	1	3	6	42	11	4	76	-	-	345
Ada East	445	4	167	5	10	-	3	6	13	75	9	13	306	-	-	1,056
Ga Central Municipal	2,745	3	434	33	35	4	35	50	5	213	30	13	1,055	-	-	4,655
La Dadekotopon Municipal	2,395	86	656	69	109	13	158	122	36	153	57	78	911	-	8	4,851
La Nkwantanang-Madina Municipal	2,977	8	426	51	96	13	62	70	8	151	43	31	1,011	-	-	4,947
Kpone Katamanso	2,655	6	520	17	29	6	76	33	12	206	25	87	875	-	-	4,547
Ningo Prampram	1,163	8	321	7	24	7	13	23	10	117	20	61	388	-	-	2,162
Ada West	290	1	51	5	7	-	1	3	2	59	4	8	148	-	-	579

**Table A3.4: Distribution of agriculture subsector establishments in Greater Accra region by district**

Region/District	Crops		Livestock		Forestry		Fishing		Agriculture Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Greater Accra Region</b>	<b>168</b>	100.0	<b>126</b>	100.0	<b>15</b>	100.0	<b>29</b>	100.0	<b>338</b>	100.0
Ga South Municipal	2	1.2	14	11.1	0	0.0	0	0.0	16	4.7
Ga West Municipal	1	0.6	2	1.6	0	0.0	0	0.0	3	0.9
Ga East Municipal	3	1.8	4	3.2	0	0.0	0	0.0	7	2.1
Accra Metropolis	109	64.9	51	40.5	11	73.3	9	31.0	180	53.3
Adenta Municipal	2	1.2	6	4.8	0	0.0	1	3.4	9	2.7
Ledzokuku Krowor Municipal	0	0.0	3	2.4	0	0.0	2	6.9	5	1.5
Ashaiman Municipal	2	1.2	5	4.0	0	0.0	0	0.0	7	2.1
Tema Metropolis	26	15.5	6	4.8	3	20.0	15	51.7	50	14.8
Shai Osudoku	3	1.8	1	0.8	0	0.0	1	3.4	5	1.5
Ada East	1	0.6	0	0.0	1	6.7	1	3.4	3	0.9
Ga Central Municipal	0	0.0	2	1.6	0	0.0	0	0.0	2	0.6
La Dadekotopon Municipal	3	1.8	4	3.2	0	0.0	0	0.0	7	2.1
La Nkwantanang-Madina Municipal	3	1.8	3	2.4	0	0.0	0	0.0	6	1.8
Kpone Katamanso	4	2.4	8	6.3	0	0.0	0	0.0	12	3.6
Ningo Prampram	8	4.8	16	12.7	0	0.0	0	0.0	24	7.1
Ada West	1	0.6	1	0.8	0	0	0	0.0	2	0.6

**Table A3.5: Number of establishments in Greater Accra Region by district and LSM**

Region/District	Total		Large		Medium		Small		Micro	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Greater Accra Region</b>	<b>177,152</b>	100.0	<b>1,233</b>	100.0	<b>4,184</b>	100.0	<b>23,008</b>	100.0	<b>148,727</b>	100.0
Ga South Municipal	11,810	6.7	10	0.8	184	4.4	1,218	5.3	10,398	7.0
Ga West Municipal	9,587	5.4	11	0.9	110	2.6	943	4.1	8,523	5.7
Ga East Municipal	6,761	3.8	12	1.0	179	4.3	691	3.0	5,879	4.0
Accra Metropolis	80,824	45.6	823	66.7	2,322	55.5	11,908	51.8	65,771	44.2
Adenta Municipal	6,681	3.8	28	2.3	108	2.6	803	3.5	5,742	3.9
Ledzokuku/Krowor Municipal	8,775	5.0	37	3.0	141	3.4	882	3.8	7,715	5.2
Ashaiman Municipal	7,775	4.4	8	0.6	53	1.3	661	2.9	7,053	4.7
Tema Metropolis	17,250	9.7	218	17.7	591	14.1	2,753	12.0	13,688	9.2
Shai Osudoku	415	0.2	4	0.3	6	0.1	80	0.3	325	0.2
Ada East	1,309	0.7	3	0.2	12	0.3	271	1.2	1,023	0.7
Ga Central Municipal	5,447	3.1	6	0.5	50	1.2	486	2.1	4,905	3.3
La Dade Kotopon Municipal	5,771	3.3	46	3.7	243	5.8	725	3.2	4,757	3.2
La Nkwantanang Madina Municipal	5,845	3.3	13	1.1	39	0.9	614	2.7	5,179	3.5
Kpone Katamanso	5,429	3.1	5	0.4	77	1.8	478	2.1	4,869	3.3
Ningo Prampram	2,720	1.5	6	0.5	65	1.6	365	1.6	2,284	1.5
Ada West	753	0.4	3	0.2	4	0.1	130	0.6	616	0.40



**Table A3.6: Distribution of establishments in Greater Accra Region by district and size**

Regions/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Greater Accra Region</b>	177,152	142,220	17,554	5,670	2,931	1,767	1,312	3,026	1,396	657	619
Ga South Municipal	11,810	10,028	985	289	152	94	55	168	29	4	6
Ga West Municipal	9,587	8,217	821	201	119	69	35	88	25	6	6
Ga East Municipal	6,761	5,639	644	139	80	37	22	169	19	9	3
Accra Metropolis	80,824	62,664	8,582	2,962	1,542	943	841	1,542	900	428	420
Adenta Municipal	6,681	5,436	737	196	87	51	36	70	36	16	16
Ledzokuku Krowor Municipal	8,775	7,450	674	211	107	84	56	107	47	23	16
Ashaiman Municipal	7,775	6,853	524	164	92	57	15	51	10	7	2
Tema Metropolis	17,250	12,933	2,068	707	338	229	130	406	215	114	110
Shai Osudoku	415	308	55	18	14	3	6	3	4	3	1
Ada East	1,309	931	225	70	38	19	9	10	4	3	-
Ga Central Municipal	5,447	4,755	390	110	64	48	12	56	6	5	1
La Dadekotopon Municipal	5,771	4,573	517	191	89	59	46	186	63	22	25
La Nkwantanang-Madina Municipal	5,845	4,960	539	170	72	27	18	29	16	7	7
Kpone Katamanso	5,429	4,714	405	122	59	19	19	69	16	2	4
Ningo Prampram	2,720	2,187	269	88	63	23	9	69	5	5	2
Ada West	753	572	119	32	15	5	3	3	1	3	-

**Table A3.7: Number of establishments in Greater Accra Region by type of institutional registration**

Region/District	Number of Establishment			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
<b>Greater Accra Region</b>	177,152	29,609	147,543	16.7	83.3	2	29	71.7	42.6
Ga South Municipal	11,810	652	11,158	5.5	94.5	2.1	14.6	64.3	32
Ga West Municipal	9,587	512	9,075	5.3	94.7	1.7	17.2	65.5	41.5
Ga East Municipal	6,761	404	6,357	6	94	2.2	20.5	60.8	27.4
Accra Metropolis	80,824	19,576	61,248	24.2	75.8	1.3	38.4	74.5	53
Adenta Municipal	6,681	681	6,000	10.2	89.8	2.5	22.5	66.4	20.1
Ledzokuku/Krowor Municipal	8,775	1,140	7,635	13	87	2.9	22.5	75.2	26.6
Ashaiman Municipal	7,775	368	7,407	4.7	95.3	2.5	11.5	80.5	17.9
Tema Metropolis	17,250	4,545	12,705	26.3	73.7	4.2	38.1	83.6	63.4
Shai Osudoku	415	47	368	11.3	88.7	1.7	18.8	56.1	14.2
Ada East	1,309	59	1,250	4.5	95.5	3.5	12.3	55.6	6.3
Ga Central Municipal	5,447	207	5,240	3.8	96.2	1.4	13.7	56	29.7
La Dade Kotopon Municipal	5,771	766	5,005	13.3	86.7	1.5	26.7	67.2	44.4
La Nkwantanang Madina Municipal	5,845	313	5,532	5.4	94.6	2.7	19.8	70.3	33.7
Kpone Katamanso	5,429	186	5,243	3.4	96.6	2.8	9.9	65.7	7.3
Ningo Prampram	2,720	113	2,607	4.2	95.8	2.5	12.6	44.7	8.7
Ada West	753	40	713	5.3	94.7	12.2	13.7	34.4	4.6

*EPA: Environmental protection agency*

*RGD: Register general department*

*DA: District assembly*

*GRA: Ghana Revenue authority*

**Table A3.8: Number of establishments in Greater Accra Region by district and type of legal organization**

Region/district	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc.)	Quasi Government	Parastatal Government	Non Governmental Organization	Cooperative	Association/Groups
<b>Greater Accra Region</b>	<b>177,152</b>	<b>141,963</b>	<b>12,181</b>	<b>17,604</b>	<b>388</b>	<b>405</b>	<b>1,006</b>	<b>129</b>	<b>113</b>	<b>1,501</b>	<b>137</b>	<b>1,725</b>
Ga South Municipal	11,810	10,370	652	381	12	24	80	12	3	102	3	171
Ga West Municipal	9,587	8,215	845	241	8	11	56	2	4	119	7	79
Ga East Municipal	6,761	5,785	539	266	20	23	23	2	8	33	12	50
Accra Metropolis	80,824	62,167	4,936	11,518	166	174	410	51	45	662	55	640
Adenta Municipal	6,681	5,572	497	443	14	5	15	6	5	57	5	62
Ledzokuku Krowor Municipal	8,775	7,332	763	517	12	14	26	3	1	36	4	67
Ashaiman Municipal	7,775	6,983	431	135	9	16	34	2	4	56	5	100
Tema Metropolis	17,250	12,585	1,239	2,919	61	42	108	6	12	111	22	145
Shai Osudoku	415	291	24	18	1	0	33	7	2	31	0	8
Ada East	1,309	990	54	31	12	13	40	19	1	3	3	143
Ga Central Municipal	5,447	4,772	334	154	6	12	9	2	2	107	0	49
La Dadekotopon Municipal	5,771	4,379	679	493	41	44	25	5	8	33	7	57
La Nkwantanang-Madina Municipal	5,845	5,053	443	198	3	3	34	4	2	83	8	14
Kpone Katamanso	5,429	4,650	442	207	11	15	33	0	1	16	0	54
Ningo Prampram	2,720	2,241	234	75	7	9	46	4	15	48	3	38
Ada West	753	578	69	8	5	0	34	4	0	4	3	48

**Table A3.9: Number of establishments in Greater Accra Region by district and year of commencement**

Region/district	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Greater Accra Region</b>	<b>7,275</b>	<b>100.0</b>	<b>5,643</b>	<b>100.0</b>	<b>10,435</b>	<b>100.0</b>	<b>30,595</b>	<b>100.0</b>	<b>120,983</b>	<b>100.0</b>
Ga South Municipal	102	1.4	66	1.2	208	2.0	1,321	4.3	9,956	8.2
Ga West Municipal	66	0.9	53	0.9	191	1.8	1,177	3.8	8,031	6.6
Ga East Municipal	52	0.7	53	0.9	177	1.7	907	3.0	5,410	4.5
Accra Metropolis	5,096	70.0	3,942	69.9	6,870	65.8	16,527	54.0	47,243	39.0
Adenta Municipal	110	1.5	81	1.4	155	1.5	746	2.4	5,553	4.6
Ledzokuku Krowor Municipal	216	3.0	173	3.1	359	3.4	1,313	4.3	6,680	5.5
Ashaiman Municipal	77	1.1	84	1.5	288	2.8	1,388	4.5	5,922	4.9
Tema Metropolis	1,039	14.3	798	14.1	1,281	12.3	3,167	10.4	10,779	8.9
Shai Osudoku	41	0.6	20	0.4	27	0.3	68	0.2	259	0.2
Ada East	96	1.3	61	1.1	100	1.0	285	0.9	762	0.6
Ga Central Municipal	9	0.1	8	0.1	69	0.7	662	2.2	4,644	3.8
La Dadekotopon Municipal	179	2.5	166	2.9	353	3.4	1,105	3.6	3,737	3.1
La Nkwantanang-Madina Municipal	52	0.7	55	1.0	169	1.6	879	2.9	4,681	3.9
Kpone Katamanso	17	0.2	12	0.2	48	0.5	471	1.5	4,836	4.0
Ningo Prampram	73	1.0	43	0.8	85	0.8	407	1.3	2,045	1.7
Ada West	50	0.7	28	0.5	55	0.5	172	0.6	445	0.4

**Table A3.10: Number of industry sector establishments in Greater Accra Region by district and year of commencement**

Region/district	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Greater Accra Region</b>	<b>1,264</b>	100.0	<b>1,004</b>	100.0	<b>1,730</b>	100.0	<b>5,398</b>	100.0	<b>17,743</b>	100.0
Ga South Municipal	11	0.9	10	1.0	28	1.6	243	4.5	1,411	8.0
Ga West Municipal	16	1.3	6	0.6	22	1.3	216	4.0	1,189	6.7
Ga East Municipal	10	0.8	14	1.4	35	2.0	151	2.8	795	4.5
Accra Metropolis	915	72.4	718	71.5	1,129	65.3	2,757	51.1	6,719	37.9
Adenta Municipal	23	1.8	18	1.8	26	1.5	173	3.2	881	5.0
Ledzokuku Krowor Municipal	33	2.6	26	2.6	58	3.4	218	4.0	851	4.8
Ashaiman Municipal	13	1.0	12	1.2	66	3.8	299	5.5	962	5.4
Tema Metropolis	190	15.0	136	13.5	231	13.4	556	10.3	1,519	8.6
Shai Osudoku	3	0.2	3	0.3	2	0.1	10	0.2	47	0.3
Ada East	2	0.2	6	0.6	16	0.9	77	1.4	148	0.8
Ga Central Municipal	2	0.2	3	0.3	7	0.4	110	2.0	664	3.7
La Dadekotopon Municipal	23	1.8	21	2.1	54	3.1	196	3.6	608	3.4
La Nkwantanang-Madina Municipal	9	0.7	14	1.4	23	1.3	157	2.9	687	3.9
Kpone Katamanso	1	0.1	3	0.3	7	0.4	91	1.7	764	4.3
Ningo Prampram	7	0.6	4	0.4	16	0.9	84	1.6	412	2.3
Ada West	6	0.5	10	1.0	10	0.6	60	1.1	86	0.5

**Table A3.11: Number of establishments in Services Sector in Greater Accra Region by district and year of commencement**

Region/district	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Greater Accra Region</b>	<b>5,949</b>	100.0	<b>4,591</b>	100.0	<b>8,649</b>	100.0	<b>25,128</b>	100.0	<b>103,138</b>	100.0
Ga South Municipal	91	1.5	54	1.2	176	2.0	1,075	4.3	8,539	8.3
Ga West Municipal	50	0.8	47	1.0	169	2.0	959	3.8	6,841	6.6
Ga East Municipal	42	0.7	38	0.8	139	1.6	756	3.0	4,612	4.5
Accra Metropolis	4,135	69.5	3,197	69.6	5,715	66.1	13,735	54.7	40,478	39.2
Adenta Municipal	86	1.4	63	1.4	129	1.5	572	2.3	4,665	4.5
Ledzokuku Krowor Municipal	182	3.1	147	3.2	300	3.5	1,093	4.3	5,828	5.7
Ashaiman Municipal	63	1.1	71	1.5	220	2.5	1,088	4.3	4,958	4.8
Tema Metropolis	842	14.2	649	14.1	1,038	12.0	2,598	10.3	9,255	9.0
Shai Osudoku	37	0.6	17	0.4	25	0.3	58	0.2	208	0.2
Ada East	94	1.6	55	1.2	84	1.0	207	0.8	612	0.6
Ga Central Municipal	7	0.1	5	0.1	62	0.7	551	2.2	3,979	3.9
La Dadekotopon Municipal	156	2.6	144	3.1	297	3.4	907	3.6	3,127	3.0
La Nkwantanang-Madina Municipal	42	0.7	41	0.9	144	1.7	720	2.9	3,993	3.9
Kpone Katamanso	16	0.3	9	0.2	41	0.5	377	1.5	4,063	3.9
Ningo Prampram	63	1.1	37	0.8	65	0.8	320	1.3	1,621	1.6
Ada West	43	0.7	17	0.4	45	0.5	112	0.4	359	0.3

**Table A3.12: Number of agriculture sector establishments in Greater Accra Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Greater Accra Region</b>	<b>62</b>	100.0	<b>48</b>	100.0	<b>56</b>	100.0	<b>69</b>	100.0	<b>102</b>	100.0
Ga South Municipal	0	0.0	2	4.2	4	7.1	3	4.3	6	5.9
Ga West Municipal	0	0.0	0	0.0	0	0.0	2	2.9	1	1.0
Ga East Municipal	0	0.0	1	2.1	3	5.4	0	0.0	3	2.9
Accra Metropolis	46	74.2	27	56.3	26	46.4	35	50.7	46	45.1
Adenta Municipal	1	1.6	0	0.0	0	0.0	1	1.4	7	6.9
Ledzokuku Krowor Municipal	1	1.6	0	0.0	1	1.8	2	2.9	1	1.0
Ashaiman Municipal	1	1.6	1	2.1	2	3.6	1	1.4	2	2.0
Tema Metropolis	7	11.3	13	27.1	12	21.4	13	18.8	5	4.9
Shai Osudoku	1	1.6	0	0.0	0	0.0	0	0.0	4	3.9
Ada East	0	0.0	0	0.0	0	0.0	1	1.4	2	2.0
Ga Central Municipal	0	0.0	0	0.0	0	0.0	1	1.4	1	1.0
La Dadekotopon Municipal	0	0.0	1	2.1	2	3.6	2	2.9	2	2.0
La Nkwantanang-Madina Municipal	1	1.6	0	0.0	2	3.6	2	2.9	1	1.0
Kpone Katamanso	0	0.0	0	0.0	0	0.0	3	4.3	9	8.8
Ningo Prampram	3	4.8	2	4.2	4	7.1	3	4.3	12	11.8
Ada West	1	1.6	1	2.1	0	0.0	0	0.0	0	0.0

**Table A3.13: Distribution of persons engaged by establishments in Greater Accra Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage (%) of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
<b>Greater Accra Region</b>	<b>1,284,336</b>	<b>249,084</b>	<b>1,015,546</b>	<b>19,706</b>	100.0	19.4	79.1	1.5
Ga South Municipal	43,819	5,675	37,648	496	100.0	13.0	85.9	1.1
Ga West Municipal	35,194	5,707	29,411	76	100.0	16.2	83.6	0.2
Ga East Municipal	27,760	4,251	23,472	37	100.0	15.3	84.6	0.1
Accra Metropolis	776,766	141,675	626,677	8,414	100.0	18.2	80.7	1.1
Adenta Municipal	39,435	13,781	25,622	32	100.0	34.9	65.0	0.1
Ledzokuku/Krowor Municipal	41,432	8,267	33,152	13	100.0	20.0	80.0	0.0
Ashaiman Municipal	24,312	4,091	20,080	141	100.0	16.8	82.6	0.6
Tema Metropolis	160,239	46,525	105,746	7,968	100.0	29.0	66.0	5.0
Shai Osudoku	4,359	534	1,776	2,049	100.0	12.3	40.7	47.0
Ada East	6,446	868	5,558	20	100.0	13.5	86.2	0.3
Ga Central Municipal	17,360	2,404	14,954	2	100.0	13.8	86.1	0.0
La Dade Kotopon Municipal	49,619	4,923	44,410	286	100.0	9.9	89.5	0.6
La Nkwantanang Madina Municipal	22,920	3,639	19,227	54	100.0	15.9	83.9	0.2
Kpone Katamanso	18,635	3,350	15,246	39	100.0	18.0	81.8	0.2
Ningo Prampram	12,775	2,730	9,974	71	100.0	21.4	78.1	0.6
Ada West	3,265	664	2,593	8	100.0	20.3	79.4	0.2



**Table A3.14: Number of persons engaged in the Greater Accra Region by district, sex and sector of establishment**

Region/District	Both Sexes				Male				Female			
	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture	All sectors	Industry	Service	Agriculture
<b>Greater Accra Region</b>	<b>1,284,336</b>	<b>249,084</b>	<b>1,015,546</b>	<b>19,706</b>	<b>801,921</b>	<b>169,396</b>	<b>618,285</b>	<b>14,240</b>	<b>482,415</b>	<b>79,688</b>	<b>397,261</b>	<b>5,466</b>
Ga South Municipal	43,819	5,675	37,648	496	22,849	3,632	18,876	341	20,970	2,043	18,772	155
Ga West Municipal	35,194	5,707	29,411	76	18,173	3,808	14,297	68	17,021	1,899	15,114	8
Ga East Municipal	27,760	4,251	23,472	37	14,680	2,812	11,835	33	13,080	1,439	11,637	4
Accra Metropolis	776,766	141,675	626,677	8,414	506,935	97,842	402,740	6,353	269,831	43,833	223,937	2,061
Adenta Municipal	39,435	13,781	25,622	32	23,515	9,183	14,307	25	15,920	4,598	11,315	7
Ledzokuku/Krowor Municipal	41,432	8,267	33,152	13	23,708	5,852	17,844	12	17,724	2,415	15,308	1
Ashaiman Municipal	24,312	4,091	20,080	141	11,814	1,915	9,783	116	12,498	2,176	10,297	25
Tema Metropolis	160,239	46,525	105,746	7,968	104,529	32,500	66,608	5,421	55,710	14,025	39,138	2,547
Shai Osudoku	4,359	534	1,776	2,049	2,838	288	1,004	1,546	1,521	246	772	503
Ada East	6,446	868	5,558	20	3,500	417	3,070	13	2,946	451	2,488	7
Ga Central Municipal	17,360	2,404	14,954	2	8,133	1,428	6,703	2	9,227	976	8,251	-
La Dade Kotopon Municipal	49,619	4,923	44,410	286	30,813	3,027	27,592	194	18,806	1,896	16,818	92
La Nkwantanang Madina Municipal	22,920	3,639	19,227	54	11,733	2,329	9,372	32	11,187	1,310	9,855	22
Kpone Katamanso	18,635	3,350	15,246	39	9,551	2,112	7,411	28	9,084	1,238	7,835	11
Ningo Prampram	12,775	2,730	9,974	71	7,370	1,955	5,367	48	5,405	775	4,607	23
Ada West	3,265	664	2,593	8	1,780	296	1,476	8	1,485	368	1,117	-

**Table A3.15: Distribution of persons engaged by establishments in Greater Accra Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)
<b>Greater Accra Region</b>	<b>1,284,336</b>	62.4	37.6	<b>249,084</b>	68.0	32.0	<b>1,015,546</b>	60.9	39.1	<b>19,706</b>	72.3	27.7
Ga South Municipal	43,819	52.1	47.9	5,675	64.0	36.0	37,648	50.1	49.9	496	68.8	31.3
Ga West Municipal	35,194	51.6	48.4	5,707	66.7	33.3	29,411	48.6	51.4	76	89.5	10.5
Ga East Municipal	27,760	52.9	47.1	4,251	66.1	33.9	23,472	50.4	49.6	37	89.2	10.8
Accra Metropolis	776,766	65.3	34.7	141,675	69.1	30.9	626,677	64.3	35.7	8,414	75.5	24.5
Adenta Municipal	39,435	59.6	40.4	13,781	66.6	33.4	25,622	55.8	44.2	32	78.1	21.9
Ledzokuku/Krowor Municipal	41,432	57.2	42.8	8,267	70.8	29.2	33,152	53.8	46.2	13	92.3	7.7
Ashaiman Municipal	24,312	48.6	51.4	4,091	46.8	53.2	20,080	48.7	51.3	141	82.3	17.7
Tema Metropolis	160,239	65.2	34.8	46,525	69.9	30.1	105,746	63.0	37.0	7,968	68.0	32.0
Shai Osudoku	4,359	65.1	34.9	534	53.9	46.1	1,776	56.5	43.5	2,049	75.5	24.5
Ada East	6,446	54.3	45.7	868	48.0	52.0	5,558	55.2	44.8	20	65.0	35.0
Ga Central Municipal	17,360	46.8	53.2	2,404	59.4	40.6	14,954	44.8	55.2	2	100.0	0.0
La Dade Kotopon Municipal	49,619	62.1	37.9	4,923	61.5	38.5	44,410	62.1	37.9	286	67.8	32.2
La Nkwantanang Madina Municipal	22,920	51.2	48.8	3,639	64.0	36.0	19,227	48.7	51.3	54	59.3	40.7
Kpone Katamanso	18,635	51.3	48.7	3,350	63.0	37.0	15,246	48.6	51.4	39	71.8	28.2
Ningo Prampram	12,775	57.7	42.3	2,730	71.6	28.4	9,974	53.8	46.2	71	67.6	32.4
Ada West	3,265	54.5	45.5	664	44.6	55.4	2,593	56.9	43.1	8	100.0	0.0

**Table A3.16: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment									
		Total	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Greater Accra</b>	<b>Total</b>	<b>1,284,336</b>	<b>111,333</b>	<b>65,387</b>	<b>48,490</b>	<b>38,178</b>	<b>35,450</b>	<b>109,814</b>	<b>94,464</b>	<b>90,576</b>	<b>428,042</b>
	Male	801,921	75,091	42,215	30,364	23,676	22,890	71,496	62,190	61,100	292,720
	Female	482,415	36,242	23,172	18,126	14,502	12,560	38,318	32,274	29,476	135,322
Ga South Municipal	Total	43,819	6,218	3,294	2,514	2,013	1,447	5,946	1,877	489	2,236
	Male	22,849	3,621	2,027	1,430	1,281	810	3,739	1,103	288	1,471
	Female	20,970	2,597	1,267	1,084	732	637	2,207	774	201	765
Ga West Municipal	Total	35,194	5,192	2,323	1,969	1,498	925	3,026	1,591	770	2,586
	Male	18,173	3,078	1,362	1,110	842	554	1,864	927	429	1,698
	Female	17,021	2,114	961	859	656	371	1,162	664	341	888
Ga East Municipal	Total	27,760	4,045	1,605	1,322	821	585	5,680	1,153	1,193	1,110
	Male	14,680	2,396	1,006	796	501	315	3,668	654	682	708
	Female	13,080	1,649	599	526	320	270	2,012	499	511	402
Accra Metropolis	Total	776,766	54,783	34,205	25,545	20,430	22,973	57,100	60,893	59,081	323,951
	Male	506,935	39,869	23,001	16,672	12,917	15,255	37,743	40,062	39,752	221,101
	Female	269,831	14,914	11,204	8,873	7,513	7,718	19,357	20,831	19,329	102,850
Adenta Municipal	Total	39,435	4,594	2,267	1,439	1,091	976	2,585	2,324	2,164	11,539
	Male	23,515	3,054	1,438	967	693	620	1,699	1,539	1,513	7,554
	Female	15,920	1,540	829	472	398	356	886	785	651	3,985
Ledzokuku/Krowor Municipal	Total	41,432	4,208	2,434	1,790	1,804	1,488	3,854	3,297	3,063	6,519
	Male	23,708	2,569	1,457	1,045	1,097	873	2,320	2,159	2,021	4,977
	Female	17,724	1,639	977	745	707	615	1,534	1,138	1,042	1,542
Ashaiman Municipal	Total	24,312	3,296	1,859	1,512	1,220	393	1,875	608	1,007	571
	Male	11,814	1,686	1,033	831	659	204	1,181	430	655	382
	Female	12,498	1,610	826	681	561	189	694	178	352	189
Tema Metropolis	Total	160,239	13,109	8,155	5,609	4,946	3,456	15,121	15,102	16,059	54,355
	Male	104,529	9,490	5,346	3,561	3,146	2,294	10,156	10,385	11,333	37,067
	Female	55,710	3,619	2,809	2,048	1,800	1,162	4,965	4,717	4,726	17,288
Shai Osudoku	Total	4,359	356	212	227	65	166	101	252	411	2,010
	Male	2,838	206	146	137	35	116	54	146	219	1,510
	Female	1,521	150	66	90	30	50	47	106	192	500

**Table 3A.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		Total	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Ada East	Total	6,446	1,434	822	607	407	228	383	283	407	0
	Male	3,500	759	462	352	244	150	266	161	244	0
	Female	2,946	675	360	255	163	78	117	122	163	0
Ga Central Municipal	Total	17,360	2,492	1,287	1,058	1,031	315	1,933	355	644	276
	Male	8,133	1,454	730	563	587	170	1,098	202	372	150
	Female	9,227	1,038	557	495	444	145	835	153	272	126
La Dade Kotopon Municipal	Total	49,619	3,292	2,202	1,478	1,281	1,206	6,354	4,245	2,931	18,084
	Male	30,813	2,014	1,338	907	759	735	4,110	2,832	1,949	13,001
	Female	18,806	1,278	864	571	522	471	2,244	1,413	982	5,083
La Nkwantanang Madina Municipal	Total	22,920	3,332	1,984	1,154	568	480	1,081	1,042	994	2,787
	Male	11,733	1,873	1,193	733	290	253	522	691	805	1,545
	Female	11,187	1,459	791	421	278	227	559	351	189	1,242
Kpone Katamanso	Total	18,635	2,519	1,381	976	401	504	2,327	1,064	276	1,234
	Male	9,551	1,528	805	514	255	345	1,459	677	159	897
	Female	9,084	991	576	462	146	159	868	387	117	337
Ningo Prampram	Total	12,775	1,712	997	1,034	496	232	2,341	327	702	784
	Male	7,370	1,071	648	587	311	158	1,570	206	362	659
	Female	5,405	641	349	447	185	74	771	121	340	125
Ada West	Total	3,265	751	360	256	106	76	107	51	385	0
	Male	1,780	423	223	159	59	38	47	16	317	0
	Female	1,485	328	137	97	47	38	60	35	68	0

**Table A3.17: Number of persons engaged by establishments in the Greater Accra Region by district, status in engagement and LMSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro
<b>Greater Accra Region</b>	<b>1,284,336</b>	<b>514,318</b>	<b>200,148</b>	<b>274,733</b>	<b>295,137</b>	<b>1,159,047</b>	<b>479,618</b>	<b>187,280</b>	<b>240,087</b>	<b>252,062</b>	<b>125,289</b>	<b>34,700</b>	<b>12,868</b>	<b>34,646</b>	<b>43,075</b>
Ga South Municipal	43,819	2,725	7,433	14,026	19,635	36,431	2,653	6,788	11,483	15,507	7,388	72	645	2,543	4,128
Ga West Municipal	35,194	3,256	4,597	10,497	16,844	28,971	2,152	4,322	8,671	13,826	6,223	1,104	275	1,826	3,018
Ga East Municipal	27,760	2,303	6,563	7,448	11,446	24,195	2,081	6,068	6,249	9,797	3,565	222	495	1,199	1,649
Accra Metropolis	776,766	380,532	116,143	146,751	133,340	726,759	364,802	110,238	132,938	118,781	50,007	15,730	5,905	13,813	14,559
Adenta Municipal	39,435	13,303	5,249	8,897	11,986	30,914	9,222	4,668	7,265	9,759	8,521	4,081	581	1,632	2,227
Ledzokuku/Krowor Municipal	41,432	9,382	6,901	10,849	14,300	35,756	7,959	6,258	9,345	12,194	5,676	1,423	643	1,504	2,106
Ashaiman Municipal	24,312	1,478	2,313	7,550	12,971	19,342	1,137	2,050	5,772	10,383	4,970	341	263	1,778	2,588
Tema Metropolis	160,239	69,814	29,743	32,580	28,102	141,762	61,922	27,242	28,336	24,262	18,477	7,892	2,501	4,244	3,840
Shai Osudoku	4,359	2,421	323	971	644	3,577	1,921	314	811	531	782	500	9	160	113
Ada East	6,446	407	606	3,098	2,335	5,236	407	527	2,562	1,740	1,210	0	79	536	595
Ga Central Municipal	17,360	920	1,928	5,793	8,719	14,897	918	1,839	4,950	7,190	2,463	2	89	843	1,529
La Dade Kotopon Municipal	49,619	20,915	10,489	8,749	9,466	43,855	18,666	9,828	7,616	7,745	5,764	2,249	661	1,133	1,721
La Nkwantanang Madina Municipal	22,920	3,681	2,013	6,633	10,593	19,132	2,965	1,797	5,369	9,001	3,788	716	216	1,264	1,592
Kpone Katamanso	18,635	1,410	3,221	5,276	8,728	15,068	1,092	2,887	4,217	6,872	3,567	318	334	1,059	1,856
Ningo Prampram	12,775	1,386	2,468	4,286	4,635	10,597	1,375	2,322	3,402	3,498	2,178	11	146	884	1,137
Ada West	3,265	385	158	1,329	1,393	2,555	346	132	1,101	976	710	39	26	228	417

**Table A3.18: Distribution of persons engaged in Greater Accra Region by district and LSM establishments**

Region/District	Number of Persons engaged					Percentage distribution by size				
	All	Large	Medium	Small	Micro	All	Large	Medium	Small	Micro
	Establishments					Establishments				
<b>Greater Accra Region</b>	<b>1,284,336</b>	<b>514,318</b>	<b>200,148</b>	<b>274,733</b>	<b>295,137</b>	<b>100.0</b>	<b>40.0</b>	<b>15.6</b>	<b>21.4</b>	<b>23.0</b>
Ga South Municipal	43,819	2,725	7,433	14,026	19,635	100.0	6.2	17.0	32.0	44.8
Ga West Municipal	35,194	3,256	4,597	10,497	16,844	100.0	9.3	13.1	29.8	47.9
Ga East Municipal	27,760	2,303	6,563	7,448	11,446	100.0	8.3	23.6	26.8	41.2
Accra Metropolis	776,766	380,532	116,143	146,751	133,340	100.0	49.0	15.0	18.9	17.2
Adenta Municipal	39,435	13,303	5,249	8,897	11,986	100.0	33.7	13.3	22.6	30.4
Ledzokuku/Krowor Municipal	41,432	9,382	6,901	10,849	14,300	100.0	22.6	16.7	26.2	34.5
Ashaiman Municipal	24,312	1,478	2,313	7,550	12,971	100.0	6.1	9.5	31.1	53.4
Tema Metropolis	160,239	69,814	29,743	32,580	28,102	100.0	43.6	18.6	20.3	17.5
Shai Osudoku	4,359	2,421	323	971	644	100.0	55.5	7.4	22.3	14.8
Ada East	6,446	407	606	3,098	2,335	100.0	6.3	9.4	48.1	36.2
Ga Central Municipal	17,360	920	1,928	5,793	8,719	100.0	5.3	11.1	33.4	50.2
La Dade Kotopon Municipal	49,619	20,915	10,489	8,749	9,466	100.0	42.2	21.1	17.6	19.1
La Nkwantanang Madina Municipal	22,920	3,681	2,013	6,633	10,593	100.0	16.1	8.8	28.9	46.2
Kpone Katamanso	18,635	1,410	3,221	5,276	8,728	100.0	7.6	17.3	28.3	46.8
Ningo Prampram	12,775	1,386	2,468	4,286	4,635	100.0	10.8	19.3	33.5	36.3
Ada West	3,265	385	158	1,329	1,393	100.0	11.8	4.8	40.7	42.7

**Table A3.19: Distribution of persons engaged in Greater Accra Region by district and LSM establishments**

Region/District	All persons			Large			Medium			Small			Micro		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Greater Accra Region</b>	<b>1,284,336</b>	90.2	9.8	<b>514,318</b>	93.3	6.7	<b>200,148</b>	93.6	6.4	<b>274,733</b>	87.4	12.6	<b>295,137</b>	85.4	14.6
Ga South Municipal	43,819	83.1	16.9	2,725	97.4	2.6	7,433	91.3	8.7	14,026	81.9	18.1	19,635	79.0	21.0
Ga West Municipal	35,194	82.3	17.7	3,256	66.1	33.9	4,597	94.0	6.0	10,497	82.6	17.4	16,844	82.1	17.9
Ga East Municipal	27,760	87.2	12.8	2,303	90.4	9.6	6,563	92.5	7.5	7,448	83.9	16.1	11,446	85.6	14.4
Accra Metropolis	776,766	93.6	6.4	380,532	95.9	4.1	116,143	94.9	5.1	146,751	90.6	9.4	133,340	89.1	10.9
Adenta Municipal	39,435	78.4	21.6	13,303	69.3	30.7	5,249	88.9	11.1	8,897	81.7	18.3	11,986	81.4	18.6
Ledzokuku/Krowor Municipal	41,432	86.3	13.7	9,382	84.8	15.2	6,901	90.7	9.3	10,849	86.1	13.9	14,300	85.3	14.7
Ashaiman Municipal	24,312	79.6	20.4	1,478	76.9	23.1	2,313	88.6	11.4	7,550	76.5	23.5	12,971	80.0	20.0
Tema Metropolis	160,239	88.5	11.5	69,814	88.7	11.3	29,743	91.6	8.4	32,580	87.0	13.0	28,102	86.3	13.7
Shai Osudoku	4,359	82.1	17.9	2,421	79.3	20.7	323	97.2	2.8	971	83.5	16.5	644	82.5	17.5
Ada East	6,446	81.2	18.8	407	100.0	0.0	606	87.0	13.0	3,098	82.7	17.3	2,335	74.5	25.5
Ga Central Municipal	17,360	85.8	14.2	920	99.8	0.2	1,928	95.4	4.6	5,793	85.4	14.6	8,719	82.5	17.5
La Dade Kotopon Municipal	49,619	88.4	11.6	20,915	89.2	10.8	10,489	93.7	6.3	8,749	87.0	13.0	9,466	81.8	18.2
La Nkwantanang Madina Municipal	22,920	83.5	16.5	3,681	80.5	19.5	2,013	89.3	10.7	6,633	80.9	19.1	10,593	85.0	15.0
Kpone Katamanso	18,635	80.9	19.1	1,410	77.4	22.6	3,221	89.6	10.4	5,276	79.9	20.1	8,728	78.7	21.3
Ningo Prampram	12,775	83.0	17.0	1,386	99.2	0.8	2,468	94.1	5.9	4,286	79.4	20.6	4,635	75.5	24.5
Ada West	3,265	78.3	21.7	385	89.9	10.1	158	83.5	16.5	1,329	82.8	17.2	1,393	70.1	29.9

**Table A3.20: Distribution of persons engaged in establishments in Greater Accra Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											Overall
		Sole Proprietorship	Partnership	Private Limited Company by Gurantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs)	Quasi Government	Para-statal Government	Non Governmental Organization (NGO)	Cooperative	Association/ Groups	
<b>Greater Accra Region</b>	1,284,336	43.9	5.5	38.7	1.2	2.0	4.4	0.5	0.4	1.3	0.3	1.7	100.0
Ga South Municipal	43,819	65.6	8.7	13.2	0.8	1.5	4.4	0.3	0.0	2.3	0.1	3.2	100.0
Ga West Municipal	35,194	64.6	10.6	15.2	0.7	1.1	3.2	1.1	0.1	2.0	0.1	1.5	100.0
Ga East Municipal	27,760	62.7	8.2	17.5	2.3	3.4	1.5	0.1	0.1	1.0	0.4	2.8	100.0
Accra Metropolis	776,766	41.2	3.7	43.4	0.8	2.2	5.2	0.5	0.3	1.1	0.3	1.3	100.0
Adenta Municipal	39,435	44.8	14.0	33.7	0.5	0.5	1.0	0.2	0.8	2.4	0.0	2.1	100.0
Ledzokuku Krowor Municipal	41,432	52.0	12.6	25.2	0.9	1.5	3.4	0.0	0.8	0.9	0.1	2.5	100.0
Ashaiman Municipal	24,312	74.2	7.8	5.9	0.5	1.5	3.4	0.1	0.0	2.6	0.1	4.0	100.0
Tema Metropolis	160,239	32.3	5.6	53.5	2.2	1.9	2.0	0.2	0.6	0.6	0.2	1.1	100.0
Shai Osudoku	4,359	23.3	2.8	53.9	0.2	0.0	10.6	3.3	0.6	3.7	0.0	1.6	100.0
Ada East	6,446	47.0	4.0	3.2	2.4	3.6	12.0	3.7	0.0	0.3	0.2	23.5	100.0
Ga Central Municipal	17,360	68.1	7.9	10.0	0.8	1.6	3.2	0.2	0.0	4.9	0.0	3.4	100.0
La Dadekotopon Municipal	49,619	32.9	8.0	43.3	7.6	1.9	2.1	0.2	1.4	1.2	0.3	1.1	100.0
La Nkwantanang-Madina Municipal	22,920	59.9	9.2	12.5	0.1	2.3	3.2	5.5	0.1	5.4	0.5	1.4	100.0
Kpone Katamanso	18,635	63.7	9.1	13.1	0.9	5.3	4.1	0.0	0.0	0.7	0.0	3.1	100.0
Ningo Prampram	12,775	52.3	9.8	15.2	1.1	1.7	9.1	0.8	0.4	3.8	0.6	5.1	100.0
Ada West	3,265	47.7	9.7	1.4	1.8	0.0	24.1	1.7	0.0	0.7	0.6	12.2	100.0



**Table A4.1: Distribution of establishments by sector and districts, Volta Region**

Region/District	Industry		Service		Agriculture		All Sectors		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Industry	Services	Agriculture	All sectors
<b>Volta Region</b>	<b>9,115</b>	<b>100.0</b>	<b>32,880</b>	<b>100.0</b>	<b>160</b>	<b>100.0</b>	<b>42,155</b>	<b>100.0</b>	<b>21.6</b>	<b>78.0</b>	<b>0.4</b>	<b>100.0</b>
Adaklu	91	1.0	287	0.9	-	0.0	378	0.9	24.1	75.9	0.0	100.0
Akatsi North	88	1.0	336	1.0	-	0.0	424	1.0	20.8	79.2	0.0	100.0
Agotime-Ziope	102	1.1	420	1.3	3	1.9	525	1.2	19.4	80.0	0.6	100.0
North Dayi	60	0.7	514	1.6	1	0.6	575	1.4	10.4	89.4	0.2	100.0
Krachi West	106	1.2	548	1.7	1	0.6	655	1.6	16.2	83.7	0.2	100.0
South Dayi	128	1.4	683	2.1	5	3.1	816	1.9	15.7	83.7	0.6	100.0
Krachi Nchumuru	135	1.5	709	2.2	-	0.0	844	2.0	16.0	84.0	0.0	100.0
Afadzato South	180	2.0	974	3.0	14	8.8	1,168	2.8	15.4	83.4	1.2	100.0
Central Tongu	241	2.6	934	2.8	5	3.1	1,180	2.8	20.4	79.2	0.4	100.0
Kpando Municipal	217	2.4	1,053	3.2	1	0.6	1,271	3.0	17.1	82.8	0.1	100.0
Jasikan	248	2.7	1,136	3.5	4	2.5	1,388	3.3	17.9	81.8	0.3	100.0
Nkwanta North	310	3.4	1,081	3.3	-	0.0	1,391	3.3	22.3	77.7	0.0	100.0
Biakoye	250	2.7	1,165	3.5	4	2.5	1,419	3.4	17.6	82.1	0.3	100.0
South Tongu	275	3.0	1,119	3.4	47	29.4	1,441	3.4	19.1	77.7	3.3	100.0
Ho West	256	2.8	1,252	3.8	14	8.8	1,522	3.6	16.8	82.3	0.9	100.0
Kadjebi	316	3.5	1,262	3.8	3	1.9	1,581	3.8	20.0	79.8	0.2	100.0
North Tongu	312	3.4	1,269	3.9	12	7.5	1,593	3.8	19.6	79.7	0.8	100.0
Akatsi South	489	5.4	1,234	3.8	1	0.6	1,724	4.1	28.4	71.6	0.1	100.0
Nkwanta South	364	4.0	1,450	4.4	10	6.3	1,824	4.3	20.0	79.5	0.5	100.0
Krachi East	546	6.0	1,393	4.2	1	0.6	1,940	4.6	28.1	71.8	0.1	100.0
Ketu North	730	8.0	1,351	4.1	7	4.4	2,088	5.0	35.0	64.7	0.3	100.0
Keta Municipal	638	7.0	2,209	6.7	10	6.3	2,857	6.8	22.3	77.3	0.4	100.0
Hohoe Municipal	699	7.7	2,648	8.1	9	5.6	3,356	8.0	20.8	78.9	0.3	100.0
Ketu South	1,306	14.3	3,646	11.1	3	1.9	4,955	11.8	26.4	73.6	0.1	100.0
Ho Municipal	1,028	11.3	4,207	12.8	5	3.1	5,240	12.4	19.6	80.3	0.1	100.0

**Table A4.2: Distribution of industry subsector establishments in Volta Region by district**

Region/District	Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction		Industry Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Volta Region</b>	8,658	100.0	11	100.0	35	100.0	65	100.0	<b>346</b>	100.0	<b>9,115</b>	100.0
South Tongu	261	3.0	1	9.1	4	11.4	2	3.1	7	2.0	275	3.0
Keta Municipal	610	7.0	1	9.1	1	2.9	5	7.7	21	6.1	638	7.0
Ketu South	1,278	14.8	2	18.2	4	11.4	2	3.1	20	5.8	1,306	14.3
Ketu North	715	8.3	0	0.0	0	0.0	4	6.2	11	3.2	730	8.0
Akatsi South	474	5.5	0	0.0	2	5.7	2	3.1	11	3.2	489	5.4
Central Tongu	228	2.6	0	0.0	2	5.7	4	6.2	7	2.0	241	2.6
Agotime-Ziope	100	1.2	0	0.0	0	0.0	2	3.1	0	0.0	102	1.1
Ho Municipal	880	10.2	0	0.0	7	20.0	8	12.3	133	38.4	1,028	11.3
South Dayi	122	1.4	0	0.0	0	0.0	5	7.7	1	0.3	128	1.4
Kpando Municipal	195	2.3	0	0.0	3	8.6	0	0.0	19	5.5	217	2.4
Hohoe Municipal	658	7.6	0	0.0	0	0.0	3	4.6	38	11.0	699	7.7
Biakoye	240	2.8	0	0.0	1	2.9	3	4.6	6	1.7	250	2.7
Jasikan	242	2.8	0	0.0	1	2.9	0	0.0	5	1.4	248	2.7
Kadjebi	303	3.5	5	45.5	0	0.0	2	3.1	6	1.7	316	3.5
Krachi East	523	6.0	0	0.0	2	5.7	13	20.0	8	2.3	546	6.0
Krachi West	101	1.2	0	0.0	1	2.9	1	1.5	3	0.9	106	1.2
Nkwanta South	347	4.0	0	0.0	1	2.9	1	1.5	15	4.3	364	4.0
Nkwanta North	301	3.5	0	0.0	1	2.9	4	6.2	4	1.2	310	3.4
North Tongu	291	3.4	0	0.0	2	5.7	3	4.6	16	4.6	312	3.4
Akatsi North	88	1.0	0	0.0	0	0.0	0	0.0	0	0.0	88	1.0
Adaklu	88	1.0	2	18.2	0	0.0	0	0.0	1	0.3	91	1.0
Ho West	244	2.8	0	0.0	1	2.9	1	1.5	10	2.9	256	2.8
Afadzato South	176	2.0	0	0.0	2	5.7	0	0.0	2	0.6	180	2.0
North Dayi	58	0.7	0	0.0	0	0.0	0	0.0	2	0.6	60	0.7
Krachi Nchumuru	135	1.6	0	0.0	0	0.0	0	0.0	0	0.0	135	1.5

**Table A4.3: Distribution of services subsector establishments in Volta Region by district**

Region/District	Services Total	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Scientific and Technical	Administrative and support Service Activity	Public Administration and Defence	Education	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services	Household Employers	Extraterritorial Organizations
<b>Volta Region</b>	<b>32,880</b>	<b>15,881</b>	<b>120</b>	<b>4,942</b>	<b>144</b>	<b>331</b>	<b>11</b>	<b>259</b>	<b>329</b>	<b>386</b>	<b>2,679</b>	<b>474</b>	<b>259</b>	<b>7,065</b>	<b>0</b>	<b>0</b>
South Tongu	1,119	470	3	202	2	9	1	13	9	11	127	17	1	254	0	0
Keta Municipal	2,209	1,060	4	479	5	19	0	17	26	24	149	33	10	383	0	0
Ketu South	3,646	2,065	37	417	13	42	2	32	33	46	173	35	21	730	0	0
Ketu North	1,351	687	2	264	6	11	0	5	14	15	101	17	3	226	0	0
Akatsi South	1,234	561	7	244	6	10	0	11	12	12	108	20	4	239	0	0
Central Tongu	934	501	0	42	3	7	0	4	12	7	122	13	7	216	0	0
Agotime-Ziope	420	185	2	58	1	3	0	0	4	15	52	9	1	90	0	0
Ho Municipal	4,207	2,063	21	596	44	81	6	61	80	60	237	55	67	836	0	0
South Dayi	683	323	1	116	5	7	1	0	7	8	65	13	2	135	0	0
Kpando Municipal	1,053	533	2	149	6	15	0	14	13	12	77	16	11	205	0	0
Hohoe Municipal	2,648	1,406	4	307	15	34	0	36	36	13	165	35	38	559	0	0
Biakoye	1,165	560	3	143	5	13	0	9	8	20	120	11	2	271	0	0
Jasikan	1,136	516	2	232	1	7	0	2	11	11	82	19	11	242	0	0
Kadjebi	1,262	602	2	171	0	9	0	7	8	30	94	14	18	307	0	0
Krachi East	1,393	689	7	222	5	10	0	5	10	16	106	22	7	294	0	0
Krachi West	548	275	0	84	1	3	0	5	1	21	58	8	2	90	0	0
Nkwanta South	1,450	663	4	220	6	12	0	8	8	17	133	23	13	343	0	0
Nkwanta North	1,081	511	4	148	3	5	0	6	10	6	95	18	2	273	0	0
North Tongu	1,269	662	4	151	11	9	0	16	6	9	121	16	5	259	0	0
Akatsi North	336	130	1	69	2	4	0	1	3	9	41	4	4	68	0	0
Adaklu	287	63	0	65	0	0	1	0	0	3	49	10	4	92	0	0
Ho West	1,252	464	4	227	2	8	0	0	6	8	153	20	16	344	0	0
Afadzato South	974	399	1	123	0	5	0	3	5	6	101	21	8	302	0	0
North Dayi	514	212	2	108	1	4	0	0	3	3	58	12	2	109	0	0
Krachi Nchumuru	709	281	3	105	1	4	0	4	4	4	92	13	0	198	0	0

**Table A4.4: Distribution of agriculture subsector establishments in Volta Region by district**

Region/District	Crops		Livestock		Forestry		Fishing		Agriculture Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Volta Region</b>	<b>43</b>	100.0	<b>93</b>	100.0	<b>12</b>	100.0	<b>12</b>	100.0	<b>160</b>	100.0
South Tongu	10	23.3	36	38.7	1	8.3	0	0.0	47	29.4
Keta Municipal	3	7.0	6	6.5	0	0.0	1	8.3	10	6.3
Ketu South	0	0.0	3	3.2	0	0.0	0	0.0	3	1.9
Ketu North	1	2.3	6	6.5	0	0.0	0	0.0	7	4.4
Akatsi South	0	0.0	1	1.1	0	0.0	0	0.0	1	0.6
Central Tongu	1	2.3	4	4.3	0	0.0	0	0.0	5	3.1
Agotime-Ziope	0	0.0	3	3.2	0	0.0	0	0.0	3	1.9
Ho Municipal	2	4.7	2	2.2	0	0.0	1	8.3	5	3.1
South Dayi	2	4.7	0	0.0	0	0.0	3	25.0	5	3.1
Kpando Municipal	0	0.0	0	0.0	1	8.3	0	0.0	1	0.6
Hohoe Municipal	5	11.6	3	3.2	0	0.0	1	8.3	9	5.6
Biakoye	0	0.0	3	3.2	1	8.3	0	0.0	4	2.5
Jasikan	2	4.7	0	0.0	2	16.7	0	0.0	4	2.5
Kadjebi	2	4.7	0	0.0	1	8.3	0	0.0	3	1.9
Krachi East	1	2.3	0	0.0	0	0.0	0	0.0	1	0.6
Krachi West	1	2.3	0	0.0	0	0.0	0	0.0	1	0.6
Nkwanta South	0	0.0	7	7.5	3	25.0	0	0.0	10	6.3
Nkwanta North	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
North Tongu	4	9.3	8	8.6	0	0.0	0	0.0	12	7.5
Akatsi North	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Adaklu	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ho West	5	11.6	6	6.5	3	25.0	0	0.0	14	8.8
Afadzato South	3	7.0	5	5.4	0	0.0	6	50.0	14	8.8
North Dayi	1	2.3	0	0.0	0	0.0	0	0.0	1	0.6
Krachi Nchumuru	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

**Table A4.5: Number of establishments in Volta Region by district and LSM**

Region/District	Large		Medium		Small		Micro		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Volta Region</b>	<b>112</b>	100.0	<b>314</b>	100.0	<b>5,817</b>	100.0	<b>35,912</b>	100.0	<b>42,155</b>	100.0
South Tongu	8	7.1	18	5.7	268	4.6	1,147	3.2	1,441	3.4
Keta Municipal	7	6.3	24	7.6	353	6.1	2,473	6.9	2,857	6.8
Ketu South	7	6.3	33	10.5	576	9.9	4,339	12.1	4,955	11.8
Ketu North	3	2.7	11	3.5	254	4.4	1,820	5.1	2,088	5.0
Akatsi South	4	3.6	11	3.5	205	3.5	1,504	4.2	1,724	4.1
Central Tongu	2	1.8	9	2.9	152	2.6	1,017	2.8	1,180	2.8
Agotime Ziope	1	0.9	4	1.3	73	1.3	447	1.2	525	1.2
Ho Municipal	31	27.7	64	20.4	689	11.8	4,456	12.4	5,240	12.4
South Dayi	2	1.8	9	2.9	118	2.0	687	1.9	816	1.9
Kpando Municipal	6	5.4	9	2.9	198	3.4	1,058	2.9	1,271	3.0
Hohoe Municipal	7	6.3	21	6.7	435	7.5	2,893	8.1	3,356	8.0
Biakoye	2	1.8	5	1.6	184	3.2	1,228	3.4	1,419	3.4
Jasikan	5	4.5	11	3.5	193	3.3	1,179	3.3	1,388	3.3
Kadjebi	4	3.6	9	2.9	250	4.3	1,318	3.7	1,581	3.8
Krachi East	1	0.9	5	1.6	301	5.2	1,633	4.5	1,940	4.6
Krachi West	3	2.7	5	1.6	95	1.6	552	1.5	655	1.6
Nkwanta South	5	4.5	13	4.1	272	4.7	1,534	4.3	1,824	4.3
Nkwanta North	0	0.0	6	1.9	195	3.4	1,190	3.3	1,391	3.3
North Tongu	5	4.5	10	3.2	202	3.5	1,376	3.8	1,593	3.8
Akatsi North	0	0.0	4	1.3	52	0.9	368	1.0	424	1.0
Adaklu	0	0.0	2	0.6	77	1.3	299	0.8	378	0.9
Ho West	4	3.6	12	3.8	248	4.3	1,258	3.5	1,522	3.6
Afadzato South	1	0.9	15	4.8	229	3.9	923	2.6	1,168	2.8
North Dayi	3	2.7	2	0.6	72	1.2	498	1.4	575	1.4
Krachi Nchumuru	1	0.9	2	0.6	126	2.2	715	2.0	844	2.0

**Table A4.6: Distribution of establishments in Volta Region by district and size**

Region/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Volta</b>	<b>42,155</b>	<b>34,139</b>	<b>4,994</b>	<b>1,499</b>	<b>617</b>	<b>324</b>	<b>127</b>	<b>204</b>	<b>135</b>	<b>81</b>	<b>35</b>
South Tongu	1,441	1,074	214	80	19	21	7	10	7	5	4
Keta Municipal	2,857	2,370	270	91	49	30	13	17	9	7	1
Ketu South	4,955	4,167	478	144	65	39	18	26	11	5	2
Ketu North	2,088	1,730	237	56	34	9	7	8	4	1	2
Akatsi South	1,724	1,416	200	61	14	11	4	6	7	4	1
Central Tongu	1,180	956	163	30	7	9	4	6	3	1	1
Agotime-Ziope	525	430	56	13	16	5	0	1	3	1	0
Ho Municipal	5,240	4,276	524	188	76	51	24	48	22	22	9
South Dayi	816	668	68	40	20	7	1	4	6	1	1
Kpando Municipal	1,271	991	186	42	26	8	2	8	2	5	1
Hohoe Municipal	3,356	2,793	308	125	56	28	13	15	11	5	2
Biakoye	1,419	1,183	149	53	19	6	2	1	4	2	0
Jasikan	1,388	1,110	186	48	19	5	4	7	4	4	1
Kadjebi	1,581	1,253	200	61	30	16	7	6	4	2	2
Krachi East	1,940	1,511	326	68	19	8	2	2	3	1	0
Krachi West	655	522	94	21	5	3	2	2	3	1	2
Nkwanta South	1,824	1,445	266	59	21	12	3	10	3	3	2
Nkwanta North	1,391	1,107	203	56	12	4	3	5	1	0	0
North Tongu	1,593	1,309	181	49	24	10	4	5	6	2	3
Akatsi North	424	354	46	13	3	4	0	2	2	0	0
Adaklu	378	284	50	25	12	5	0	0	2	0	0
Ho West	1,522	1,187	203	74	27	12	3	6	5	5	0
Afadzato South	1,168	862	182	57	31	15	2	7	11	1	0
North Dayi	575	484	57	17	8	4	0	0	2	3	0
Krachi Nchumuru	844	657	147	28	5	2	2	2	0	0	1

**Table A4.7: Number of establishments in Volta Region by type of institutional registration**

Region/District	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
Volta	42155	2486	39,669	5.9	94.1	2.8	11.9	47.2	17.6
South Tongu	1,441	80	1,361	5.6	94.4	4.6	13.0	54.3	22.5
Keta Municipal	2,857	125	2,732	4.4	95.6	4.3	8.9	50.1	19.8
Ketu South	4,955	215	4,740	4.3	95.7	1.2	8.8	33.4	11.4
Ketu North	2,088	67	2,021	3.2	96.8	1.4	7.8	34.6	8.2
Akatsi South	1,724	97	1,627	5.6	94.4	5.0	11.0	38.1	18.2
Central Tongu	1,180	64	1,116	5.4	94.6	4.7	13.1	46.7	3.8
Agotime Ziope	525	55	470	10.5	89.5	2.3	16.4	50.5	16.0
Ho Municipal	5,240	713	4,527	13.6	86.4	1.9	23.1	62.4	33.6
South Dayi	816	70	746	8.6	91.4	4.3	16.1	69.2	19.2
Kpando Municipal	1,271	63	1,208	5.0	95.0	3.8	11.3	61.8	38.6
Hohoe Municipal	3,356	240	3,116	7.2	92.8	2.0	12.9	53.5	34.9
Biakoye	1,419	98	1,321	6.9	93.1	2.3	11.2	46.2	9.3
Jasikan	1,388	53	1,335	3.8	96.2	8.3	7.6	73.0	14.9
Kadjebi	1,581	73	1,508	4.6	95.4	3.1	7.8	51.4	3.3
Krachi East	1,940	47	1,893	2.4	97.6	1.1	7.7	37.8	9.3
Krachi West	655	44	611	6.7	93.3	3.4	10.8	61.8	21.4
Nkwanta South	1,824	118	1,706	6.5	93.5	3.3	9.4	42.6	18.6
Nkwanta North	1,391	26	1,365	1.9	98.1	2.6	6.5	31.2	5.9
North Tongu	1,593	65	1,528	4.1	95.9	3.5	8.9	31.5	16.9
Akatsi North	424	29	395	6.8	93.2	2.6	13.7	44.1	6.1
Adaklu	378	13	365	3.4	96.6	-	11.6	43.7	3.7
Ho West	1,522	47	1,475	3.1	96.9	3.1	11.7	43.6	9.1
Afadzato South	1,168	42	1,126	3.6	96.4	1.5	12.9	36.4	4.6
North Dayi	575	24	551	4.2	95.8	3.1	10.3	65.0	13.0
Krachi Nchumuru	844	18	826	2.1	97.9	4.0	15.5	34.5	5.8

*EPA: Environmental protection agency*

*RGD: Register general department*

*DA: District assembly*

*GRA: Ghana Revenue authority*

**Table A4.8: Number of establishments in Volta Region by district and type of legal organization**

Region/district	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc.)	Quasi Government	Parastatal Government	Non Governmental Organization	Cooperative	Association/Groups
Volta	42,155	32,585	2,614	695	110	230	2,368	196	34	2,929	51	343
South Tongu	1,441	1,000	170	30	7	16	111	0	3	98	1	5
Keta Municipal	2,857	2,318	184	34	8	5	151	7	3	126	1	20
Ketu South	4,955	4,274	328	74	7	33	94	8	3	119	4	11
Ketu North	2,088	1,796	93	29	3	20	73	10	0	59	2	3
Akatsi South	1,724	1,419	108	18	1	19	75	3	0	66	3	12
Central Tongu	1,180	840	77	8	1	5	115	5	0	121	2	6
Agotime-Ziope	525	375	12	4	4	3	68	1	0	56	1	1
Ho Municipal	5,240	4,133	333	243	19	35	151	26	9	219	10	62
South Dayi	816	624	47	7	4	3	63	6	0	58	0	4
Kpando Municipal	1,271	989	85	28	4	4	74	7	1	71	1	7
Hohoe Municipal	3,356	2,669	199	94	12	14	133	18	0	201	5	11
Biakoye	1,419	1,034	79	12	5	9	114	2	0	160	0	4
Jasikan	1,388	991	133	11	4	7	90	8	0	125	2	17
Kadjebi	1,581	1,158	86	12	6	8	119	7	1	177	1	6
Krachi East	1,940	1,425	181	10	1	6	113	12	6	177	1	8
Krachi West	655	476	38	5	1	8	71	3	0	50	3	0
Nkwanta South	1,824	1,330	118	18	2	3	135	15	1	109	2	91
Nkwanta North	1,391	1,072	85	7	1	8	72	11	2	120	2	11
North Tongu	1,593	1,264	85	22	3	8	96	2	2	93	3	15
Akatsi North	424	330	12	7	0	2	43	1	1	23	0	5
Adaklu	378	226	12	2	0	0	52	3	1	78	0	4
Ho West	1,522	1,050	57	7	8	6	144	6	1	234	2	7
Afadzato South	1,168	783	54	6	7	3	86	7	0	201	0	21
North Dayi	575	431	12	4	2	2	64	0	0	49	1	10
Krachi Nchumuru	844	578	26	3	0	3	61	28	0	139	4	2



**Table A4.9: Number of establishments in Volta Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Volta	2,609	100.0	1,376	100.0	3,531	100.0	7,833	100.0	26,739	100.0
South Tongu	96	3.7	47	3.4	125	3.5	277	3.5	895	3.3
Keta Municipal	191	7.3	103	7.5	281	8.0	568	7.3	1,714	6.4
Ketu South	153	5.9	138	10.0	305	8.6	828	10.6	3,510	13.1
Ketu North	99	3.8	57	4.1	159	4.5	376	4.8	1,396	5.2
Akatsi South	79	3.0	52	3.8	189	5.4	353	4.5	1,045	3.9
Central Tongu	78	3.0	59	4.3	121	3.4	231	2.9	689	2.6
Agotime-Ziope	41	1.6	26	1.9	44	1.2	80	1.0	334	1.2
Ho Municipal	313	12.0	181	13.2	416	11.8	932	11.9	3,385	12.7
South Dayi	51	2.0	27	2.0	79	2.2	142	1.8	517	1.9
Kpando Municipal	83	3.2	35	2.5	98	2.8	225	2.9	830	3.1
Hohoe Municipal	227	8.7	84	6.1	222	6.3	572	7.3	2,250	8.4
Biakoye	113	4.3	39	2.8	105	3.0	249	3.2	910	3.4
Jasikan	101	3.9	41	3.0	119	3.4	246	3.1	878	3.3
Kadjebi	139	5.3	51	3.7	117	3.3	263	3.4	1,011	3.8
Krachi East	59	2.3	65	4.7	219	6.2	470	6.0	1,127	4.2
Krachi West	36	1.4	21	1.5	82	2.3	152	1.9	364	1.4
Nkwanta South	99	3.8	51	3.7	162	4.6	387	4.9	1,114	4.2
Nkwanta North	21	0.8	53	3.9	98	2.8	296	3.8	922	3.4
North Tongu	83	3.2	55	4.0	112	3.2	334	4.3	1,008	3.8
Akatsi North	31	1.2	20	1.5	35	1.0	61	0.8	277	1.0
Adaklu	45	1.7	15	1.1	52	1.5	48	0.6	217	0.8
Ho West	224	8.6	55	4.0	122	3.5	261	3.3	858	3.2
Afadzato South	132	5.1	40	2.9	145	4.1	181	2.3	670	2.5
North Dayi	70	2.7	28	2.0	34	1.0	110	1.4	333	1.2
Krachi Nchumuru	45	1.7	33	2.4	90	2.5	191	2.4	485	1.8

**Table A4.10: Number of industry sector establishments in Volta Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Volta</b>	<b>209</b>	100.0	<b>335</b>	100.0	<b>801</b>	100.0	<b>1,972</b>	100.0	<b>5,792</b>	100.0
South Tongu	3	1.4	7	2.1	19	2.4	60	3.0	186	3.2
Keta Municipal	11	5.3	36	10.7	85	10.6	127	6.4	379	6.5
Ketu South	44	21.1	76	22.7	115	14.4	260	13.2	807	13.9
Ketu North	22	10.5	30	9.0	65	8.1	153	7.8	460	7.9
Akatsi South	13	6.2	23	6.9	53	6.6	128	6.5	272	4.7
Central Tongu	5	2.4	14	4.2	22	2.7	54	2.7	146	2.5
Agotime-Ziope	1	0.5	2	0.6	5	0.6	17	0.9	77	1.3
Ho Municipal	45	21.5	41	12.2	91	11.4	176	8.9	674	11.6
South Dayi	0	0.0	2	0.6	10	1.2	34	1.7	82	1.4
Kpando Municipal	3	1.4	8	2.4	18	2.2	43	2.2	145	2.5
Hohoe Municipal	18	8.6	14	4.2	37	4.6	143	7.3	487	8.4
Biakoye	2	1.0	6	1.8	16	2.0	54	2.7	172	3.0
Jasikan	1	0.5	6	1.8	12	1.5	46	2.3	183	3.2
Kadjebi	9	4.3	5	1.5	25	3.1	67	3.4	210	3.6
Krachi East	9	4.3	22	6.6	83	10.4	180	9.1	252	4.4
Krachi West	1	0.5	4	1.2	13	1.6	26	1.3	62	1.1
Nkwanta South	4	1.9	5	1.5	24	3.0	96	4.9	234	4.0
Nkwanta North	4	1.9	6	1.8	20	2.5	79	4.0	201	3.5
North Tongu	4	1.9	11	3.3	32	4.0	72	3.7	193	3.3
Akatsi North	0	0.0	3	0.9	6	0.7	12	0.6	67	1.2
Adaklu	1	0.5	2	0.6	5	0.6	13	0.7	70	1.2
Ho West	6	2.9	2	0.6	14	1.7	51	2.6	183	3.2
Afadzato South	1	0.5	6	1.8	14	1.7	36	1.8	123	2.1
North Dayi	0	0.0	2	0.6	2	0.2	12	0.6	44	0.8
Krachi Nchumuru	2	1.0	2	0.6	15	1.9	33	1.7	83	1.4

**Table A4.11: Number of services sector establishments in Volta Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Volta</b>	<b>2,380</b>	100.0	<b>1,030</b>	100.0	<b>2,711</b>	100.0	<b>5,830</b>	100.0	<b>20,868</b>	100.0
South Tongu	87	3.7	35	3.4	97	3.6	205	3.5	694	3.3
Keta Municipal	175	7.4	66	6.4	196	7.2	440	7.5	1,332	6.4
Ketu South	109	4.6	62	6.0	189	7.0	568	9.7	2,701	12.9
Ketu North	76	3.2	27	2.6	93	3.4	222	3.8	932	4.5
Akatsi South	66	2.8	29	2.8	136	5.0	225	3.9	772	3.7
Central Tongu	73	3.1	45	4.4	98	3.6	177	3.0	539	2.6
Agotime-Ziope	38	1.6	24	2.3	39	1.4	62	1.1	257	1.2
Ho Municipal	268	11.3	140	13.6	324	12.0	756	13.0	2,707	13.0
South Dayi	50	2.1	25	2.4	69	2.5	108	1.9	431	2.1
Kpando Municipal	80	3.4	27	2.6	79	2.9	182	3.1	685	3.3
Hohoe Municipal	209	8.8	69	6.7	183	6.8	427	7.3	1,759	8.4
Biakoye	111	4.7	33	3.2	89	3.3	194	3.3	735	3.5
Jasikan	99	4.2	33	3.2	107	3.9	200	3.4	694	3.3
Kadjebi	130	5.5	46	4.5	91	3.4	195	3.3	800	3.8
Krachi East	50	2.1	43	4.2	136	5.0	289	5.0	875	4.2
Krachi West	34	1.4	17	1.7	69	2.5	126	2.2	302	1.4
Nkwanta South	93	3.9	46	4.5	136	5.0	290	5.0	875	4.2
Nkwanta North	17	0.7	47	4.6	78	2.9	217	3.7	721	3.5
North Tongu	79	3.3	44	4.3	80	3.0	259	4.4	806	3.9
Akatsi North	31	1.3	17	1.7	29	1.1	49	0.8	210	1.0
Adaklu	44	1.8	13	1.3	47	1.7	35	0.6	147	0.7
Ho West	217	9.1	51	5.0	108	4.0	206	3.5	668	3.2
Afadzato South	131	5.5	34	3.3	131	4.8	142	2.4	536	2.6
North Dayi	70	2.9	26	2.5	32	1.2	98	1.7	288	1.4
Krachi Nchumuru	43	1.8	31	3.0	75	2.8	158	2.7	402	1.9

**Table A4.12: Number of agriculture sector establishments in Volta Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Volta</b>	<b>20</b>	100.0	<b>11</b>	100.0	<b>19</b>	100.0	<b>31</b>	100.0	<b>79</b>	100.0
South Tongu	6	30.0	5	45.5	9	47.4	12	38.7	15	19.0
Keta Municipal	5	25.0	1	9.1	0	0.0	1	3.2	3	3.8
Ketu South	0	0.0	0	0.0	1	5.3	0	0.0	2	2.5
Ketu North	1	5.0	0	0.0	1	5.3	1	3.2	4	5.1
Akatsi South	0	0.0	0	0.0	0	0.0	0	0.0	1	1.3
Central Tongu	0	0.0	0	0.0	1	5.3	0	0.0	4	5.1
Agotime-Ziope	2	10.0	0	0.0	0	0.0	1	3.2	0	0.0
Ho Municipal	0	0.0	0	0.0	1	5.3	0	0.0	4	5.1
South Dayi	1	5.0	0	0.0	0	0.0	0	0.0	4	5.1
Kpando Municipal	0	0.0	0	0.0	1	5.3	0	0.0	0	0.0
Hohoe Municipal	0	0.0	1	9.1	2	10.5	2	6.5	4	5.1
Biakoye	0	0.0	0	0.0	0	0.0	1	3.2	3	3.8
Jasikan	1	5.0	2	18.2	0	0.0	0	0.0	1	1.3
Kadjebi	0	0.0	0	0.0	1	5.3	1	3.2	1	1.3
Krachi East	0	0.0	0	0.0	0	0.0	1	3.2	0	0.0
Krachi West	1	5.0	0	0.0	0	0.0	0	0.0	0	0.0
Nkwanta South	2	10.0	0	0.0	2	10.5	1	3.2	5	6.3
Nkwanta North	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
North Tongu	0	0.0	0	0.0	0	0.0	3	9.7	9	11.4
Akatsi North	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Adaklu	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ho West	1	5.0	2	18.2	0	0.0	4	12.9	7	8.9
Afadzato South	0	0.0	0	0.0	0	0.0	3	9.7	11	13.9
North Dayi	0	0.0	0	0.0	0	0.0	0	0.0	1	1.3
Krachi Nchumuru	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

**Table A4.13: Distribution of persons engaged by establishments in Volta Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
Volta Region	171,827	28,968	139,574	3,285	100.0	16.9	81.2	1.9
South Tongu	7,864	1,031	5,764	1,069	100.0	13.1	73.3	13.6
Keta Municipal	11,429	2,013	9,344	72	100.0	17.6	81.8	0.6
Ketu South	17,155	4,086	13,063	6	100.0	23.8	76.1	0.0
Ketu North	7,387	1,860	5,481	46	100.0	25.2	74.2	0.6
Akatsi South	6,635	1,430	5,193	12	100.0	21.6	78.3	0.2
Central Tongu	4,360	570	3,753	37	100.0	13.1	86.1	0.8
Agotime Ziope	1,900	233	1,659	8	100.0	12.3	87.3	0.4
Ho Municipal	25,892	3,788	22,062	42	100.0	14.6	85.2	0.2
South Dayi	3,485	292	3,116	77	100.0	8.4	89.4	2.2
Kpando Municipal	5,543	754	4,787	2	100.0	13.6	86.4	0.0
Hohoe Municipal	12,804	2,225	10,440	139	100.0	17.4	81.5	1.1
Biakoye	4,823	606	4,011	206	100.0	12.6	83.2	4.3
Jasikan	5,914	668	5,116	130	100.0	11.3	86.5	2.2
Kadjebi	6,856	837	5,546	473	100.0	12.2	80.9	6.9
Krachi East	6,800	1,918	4,867	15	100.0	28.2	71.6	0.2
Krachi West	3,022	556	2,465	1	100.0	18.4	81.6	0.0
Nkwanta South	7,684	1,231	6,343	110	100.0	16.0	82.5	1.4
Nkwanta North	4,710	797	3,913	-	100.0	16.9	83.1	0.0
North Tongu	7,738	2,233	4,997	508	100.0	28.9	64.6	6.6
Akatsi North	1,367	175	1,192	-	100.0	12.8	87.2	0.0
Adaklu	1,564	200	1,364	-	100.0	12.8	87.2	0.0
Ho West	6,129	495	5,465	169	100.0	8.1	89.2	2.8
Afadzato South	5,464	485	4,823	156	100.0	8.9	88.3	2.9
North Dayi	2,035	123	1,905	7	100.0	6.0	93.6	0.3
Krachi Nchumuru	3,267	362	2,905	-	100.0	11.1	88.9	0.0

**Table A4.14: Distribution of persons engaged in the Volta Region by district, sex and sector of establishment**

Region/District	Both Sexes				Male				Female			
	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture
Volta Region	171,827	28,968	139,574	3,285	99,701	18,049	79,396	2,256	72,126	10,919	60,178	1,029
South Tongu	7,864	1,031	5,764	1,069	4,350	536	3,048	766	3,514	495	2,716	303
Keta Municipal	11,429	2,013	9,344	72	6,354	1,315	4,990	49	5,075	698	4,354	23
Ketu South	17,155	4,086	13,063	6	9,460	2,380	7,076	4	7,695	1,706	5,987	2
Ketu North	7,387	1,860	5,481	46	4,246	1,119	3,092	35	3,141	741	2,389	11
Akatsi South	6,635	1,430	5,193	12	3,805	846	2,953	6	2,830	584	2,240	6
Central Tongu	4,360	570	3,753	37	2,614	424	2,161	29	1,746	146	1,592	8
Agotime Ziope	1,900	233	1,659	8	1,071	136	929	6	829	97	730	2
Ho Municipal	25,892	3,788	22,062	42	15,086	2,635	12,413	38	10,806	1,153	9,649	4
South Dayi	3,485	292	3,116	77	2,027	144	1,810	73	1,458	148	1,306	4
Kpando Municipal	5,543	754	4,787	2	2,944	396	2,546	2	2,599	358	2,241	0
Hohoe Municipal	12,804	2,225	10,440	139	7,042	1,256	5,669	117	5,762	969	4,771	22
Biakoye	4,823	606	4,011	206	2,876	354	2,357	165	1,947	252	1,654	41
Jasikan	5,914	668	5,116	130	3,321	399	2,801	121	2,593	269	2,315	9
Kadjebi	6,856	837	5,546	473	4,104	470	3,370	264	2,752	367	2,176	209
Krachi East	6,800	1,918	4,867	15	3,913	883	3,015	15	2,887	1,035	1,852	0
Krachi West	3,022	556	2,465	1	1,925	371	1,553	1	1,097	185	912	0
Nkwanta South	7,684	1,231	6,343	110	5,179	926	4,152	101	2,505	305	2,191	9
Nkwanta North	4,710	797	3,913	0	3,017	367	2,650	0	1,693	430	1,263	0
North Tongu	7,738	2,233	4,997	508	4,947	1,894	2,800	253	2,791	339	2,197	255
Akatsi North	1,367	175	1,192	0	823	115	708	0	544	60	484	0
Adaklu	1,564	200	1,364	0	937	160	777	0	627	40	587	0
Ho West	6,129	495	5,465	169	3,498	346	3,066	86	2,631	149	2,399	83
Afadzato South	5,464	485	4,823	156	2,959	336	2,504	119	2,505	149	2,319	37
North Dayi	2,035	123	1,905	7	1,128	67	1,055	6	907	56	850	1
Krachi Nchumuru	3,267	362	2,905	0	2,075	174	1,901	0	1,192	188	1,004	0

**Table A4.15: Distribution of persons engaged by establishments in Volta Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)
<b>Volta Region</b>	<b>171,827</b>	58.0	42.0	<b>28,968</b>	62.3	37.7	<b>139,574</b>	56.9	43.1	<b>3,285</b>	68.7	31.3
South Tongu	7,864	55.3	44.7	1,031	52.0	48.0	5,764	52.9	47.1	1,069	71.7	28.3
Keta Municipal	11,429	55.6	44.4	2,013	65.3	34.7	9,344	53.4	46.6	72	68.1	31.9
Ketu South	17,155	55.1	44.9	4,086	58.2	41.8	13,063	54.2	45.8	6	66.7	33.3
Ketu North	7,387	57.5	42.5	1,860	60.2	39.8	5,481	56.4	43.6	46	76.1	23.9
Akatsi South	6,635	57.3	42.7	1,430	59.2	40.8	5,193	56.9	43.1	12	50.0	50.0
Central Tongu	4,360	60.0	40.0	570	74.4	25.6	3,753	57.6	42.4	37	78.4	21.6
Agotime Ziope	1,900	56.4	43.6	233	58.4	41.6	1,659	56.0	44.0	8	75.0	25.0
Ho Municipal	25,892	58.3	41.7	3,788	69.6	30.4	22,062	56.3	43.7	42	90.5	9.5
South Dayi	3,485	58.2	41.8	292	49.3	50.7	3,116	58.1	41.9	77	94.8	5.2
Kpando Municipal	5,543	53.1	46.9	754	52.5	47.5	4,787	53.2	46.8	2	100.0	0.0
Hohoe Municipal	12,804	55.0	45.0	2,225	56.4	43.6	10,440	54.3	45.7	139	84.2	15.8
Biakoye	4,823	59.6	40.4	606	58.4	41.6	4,011	58.8	41.2	206	80.1	19.9
Jasikan	5,914	56.2	43.8	668	59.7	40.3	5,116	54.7	45.3	130	93.1	6.9
Kadjebi	6,856	59.9	40.1	837	56.2	43.8	5,546	60.8	39.2	473	55.8	44.2
Krachi East	6,800	57.5	42.5	1,918	46.0	54.0	4,867	61.9	38.1	15	100.0	0.0
Krachi West	3,022	63.7	36.3	556	66.7	33.3	2,465	63.0	37.0	1	100.0	0.0
Nkwanta South	7,684	67.4	32.6	1,231	75.2	24.8	6,343	65.5	34.5	110	91.8	8.2
Nkwanta North	4,710	64.1	35.9	797	46.0	54.0	3,913	67.7	32.3	-	0.0	0.0
North Tongu	7,738	63.9	36.1	2,233	84.8	15.2	4,997	56.0	44.0	508	49.8	50.2
Akatsi North	1,367	60.2	39.8	175	65.7	34.3	1,192	59.4	40.6	-	0.0	0.0
Adaklu	1,564	59.9	40.1	200	80.0	20.0	1,364	57.0	43.0	-	0.0	0.0
Ho West	6,129	57.1	42.9	495	69.9	30.1	5,465	56.1	43.9	169	50.9	49.1
Afadzato South	5,464	54.2	45.8	485	69.3	30.7	4,823	51.9	48.1	156	76.3	23.7
North Dayi	2,035	55.4	44.6	123	54.5	45.5	1,905	55.4	44.6	7	85.7	14.3
Krachi Nchumuru	3,267	63.5	36.5	362	48.1	51.9	2,905	65.4	34.6	-	0.0	0.0

**Table A4.16: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment										
		Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Volta Region	Total	171,827	62,433	31,849	17,158	10,234	6,963	3,368	7,432	9,208	10,940	12,242
	Male	99,701	32,107	18,869	10,149	6,124	4,091	2,044	4,842	6,305	7,044	8,126
	Female	72,126	30,326	12,980	7,009	4,110	2,872	1,324	2,590	2,903	3,896	4,116
South Tongu	Total	7,864	2,174	1,367	942	311	450	192	386	488	673	881
	Male	4,350	1,023	748	566	178	236	145	276	339	390	449
	Female	3,514	1,151	619	376	133	214	47	110	149	283	432
Keta Municipal	Total	11,429	4,360	1,701	1,067	821	664	351	631	672	929	233
	Male	6,354	1,959	958	655	476	392	168	437	508	673	128
	Female	5,075	2,401	743	412	345	272	183	194	164	256	105
Ketu South	Total	17,155	7,325	3,016	1,660	1,074	823	477	937	729	675	439
	Male	9,460	3,445	1,548	931	705	548	305	650	501	495	332
	Female	7,695	3,880	1,468	729	369	275	172	287	228	180	107
Ketu North	Total	7,387	3,085	1,501	661	581	193	182	298	269	113	504
	Male	4,246	1,560	866	449	371	112	119	161	222	83	303
	Female	3,141	1,525	635	212	210	81	63	137	47	30	201
Akatsi South	Total	6,635	2,601	1,213	705	232	235	104	195	442	487	421
	Male	3,805	1,312	731	438	175	108	64	101	277	318	281
	Female	2,830	1,289	482	267	57	127	40	94	165	169	140
Central Tongu	Total	4,360	1,844	1,040	331	112	194	102	214	200	106	217
	Male	2,614	1,080	600	205	59	131	60	149	150	90	90
	Female	1,746	764	440	126	53	63	42	65	50	16	127
Ho Municipal	Total	25,892	7,465	3,397	2,134	1,260	1,108	638	1,696	1,540	2,966	3,688
	Male	15,086	3,718	2,211	1,241	714	587	359	995	890	2,002	2,369
	Female	10,806	3,747	1,186	893	546	521	279	701	650	964	1,319
Agotime Ziope	Total	1,900	691	361	145	262	108	0	37	194	102	0
	Male	1,071	370	216	80	146	52	0	8	124	75	0
	Female	829	321	145	65	116	56	0	29	70	27	0
South Dayi	Total	3,485	1,123	445	458	339	145	26	132	385	132	300
	Male	2,027	549	218	230	200	75	11	99	261	114	270
	Female	1,458	574	227	228	139	70	15	33	124	18	30



**Table A4.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment										
		Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Kpando Municipal	Total	5,543	1,741	1,169	480	432	174	53	305	146	743	300
	Male	2,944	851	610	261	235	120	27	187	86	442	125
	Female	2,599	890	559	219	197	54	26	118	60	301	175
Hohoe Municipal	Total	12,804	4,974	2,005	1,428	928	600	343	510	790	631	595
	Male	7,042	2,406	1,211	814	530	327	203	308	574	376	293
	Female	5,762	2,568	794	614	398	273	140	202	216	255	302
Biakoye	Total	4,823	2,021	940	600	318	127	56	45	323	393	0
	Male	2,876	1,090	602	369	187	87	38	35	222	246	0
	Female	1,947	931	338	231	131	40	18	10	101	147	0
Jasikan	Total	5,914	2,143	1,169	569	312	110	107	266	273	506	459
	Male	3,321	999	709	341	187	73	67	177	195	267	306
	Female	2,593	1,144	460	228	125	37	40	89	78	239	153
Kadjebi	Total	6,856	2,412	1,301	694	502	343	186	221	267	306	624
	Male	4,104	1,332	853	426	297	194	124	163	171	162	382
	Female	2,752	1,080	448	268	205	149	62	58	96	144	242
Krachi East	Total	6,800	3,077	2,038	750	317	170	53	90	200	105	0
	Male	3,913	1,658	1,116	448	211	108	39	82	171	80	0
	Female	2,887	1,419	922	302	106	62	14	8	29	25	0
Krachi West	Total	3,022	1,017	610	231	84	68	53	92	185	140	542
	Male	1,925	564	376	170	74	59	44	81	137	110	310
	Female	1,097	453	234	61	10	9	9	11	48	30	232
Nkwanta South	Total	7,684	2,957	1,718	694	344	256	78	384	185	516	552
	Male	5,179	1,883	1,138	420	220	181	45	302	124	325	541
	Female	2,505	1,074	580	274	124	75	33	82	61	191	11
Nkwanta North	Total	4,710	2,186	1,260	631	199	85	78	192	79	0	0
	Male	3,017	1,429	749	403	123	63	41	145	64	0	0
	Female	1,693	757	511	228	76	22	37	47	15	0	0
North Tongu	Total	7,738	2,428	1,148	565	398	215	107	179	421	249	2,028
	Male	4,947	1,183	678	356	246	149	68	110	309	121	1,727
	Female	2,791	1,245	470	209	152	66	39	69	112	128	301

**Table A4.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment										
		Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Akatsi North	Total	1,367	593	290	144	52	83	0	75	130	0	0
	Male	823	311	172	93	31	62	0	52	102	0	0
	Female	544	282	118	51	21	21	0	23	28	0	0
Adaklu	Total	1,564	544	328	263	198	112	0	0	119	0	0
	Male	937	318	199	153	122	55	0	0	90	0	0
	Female	627	226	129	110	76	57	0	0	29	0	0
Ho West	Total	6,129	1,989	1,334	858	438	261	77	235	324	613	0
	Male	3,498	1,067	833	465	229	118	55	164	191	376	0
	Female	2,631	922	501	393	209	143	22	71	133	237	0
Afadzato South	Total	5,464	1,672	1,179	633	506	312	51	234	727	150	0
	Male	2,959	808	697	319	270	170	28	115	497	55	0
	Female	2,505	864	482	314	236	142	23	119	230	95	0
North Dayi	Total	2,035	717	382	193	134	84	0	0	120	405	0
	Male	1,128	318	233	92	93	48	0	0	100	244	0
	Female	907	399	149	101	41	36	0	0	20	161	0
Krachi Nchumuru	Total	3,267	1,294	937	322	80	43	54	78	0	0	459
	Male	2,075	874	597	224	45	36	34	45	0	0	220
	Female	1,192	420	340	98	35	7	20	33	0	0	239

**Table A4.17: Distribution of persons engaged by establishments in the Volta region by district, status of engagement and LMSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro
<b>Volta Region</b>	<b>171,827</b>	<b>22,782</b>	<b>16,170</b>	<b>61,577</b>	<b>71,298</b>	<b>139,238</b>	<b>19,095</b>	<b>14,284</b>	<b>49,458</b>	<b>56,401</b>	<b>32,589</b>	<b>3,687</b>	<b>1,886</b>	<b>12,119</b>	<b>14,897</b>
South Tongu	7,864	1,454	974	2,897	2,539	6,307	1,380	828	2,296	1,803	1,557	74	146	601	736
Keta Municipal	11,429	1,062	1,313	4,179	4,875	9,107	973	1,182	3,221	3,731	2,322	89	131	958	1,144
Ketu South	17,155	1,114	1,546	6,310	8,185	13,450	1,012	1,337	4,823	6,278	3,705	102	209	1,487	1,907
Ketu North	7,387	617	537	2,698	3,535	5,613	376	429	2,126	2,682	1,774	241	108	572	853
Akatsi South	6,635	808	647	2,139	3,041	5,205	760	493	1,580	2,372	1,430	48	154	559	669
Central Tongu	4,360	323	414	1,474	2,149	3,974	323	411	1,354	1,886	386	0	3	120	263
Agotime Ziope	1,900	102	231	791	776	1,653	90	202	709	652	247	12	29	82	124
Ho Municipal	25,892	6,654	3,056	7,817	8,365	22,389	6,099	2,791	6,475	7,024	3,503	555	265	1,342	1,341
South Dayi	3,485	432	487	1,348	1,218	3,066	432	407	1,208	1,019	419	0	80	140	199
Kpando Municipal	5,543	1,043	421	2,003	2,076	4,638	918	322	1,661	1,737	905	125	99	342	339
Hohoe Municipal	12,804	1,226	1,150	4,954	5,474	10,908	1,119	1,087	4,166	4,536	1,896	107	63	788	938
Biakoye	4,823	393	368	1,816	2,246	3,815	169	346	1,417	1,883	1,008	224	22	399	363
Jasikan	5,914	965	539	1,922	2,488	4,588	939	498	1,457	1,694	1,326	26	41	465	794
Kadjebi	6,856	930	458	2,731	2,737	4,966	569	360	2,074	1,963	1,890	361	98	657	774
Krachi East	6,800	105	290	2,718	3,687	5,453	79	273	2,127	2,974	1,347	26	17	591	713
Krachi West	3,022	682	277	896	1,167	2,587	632	277	717	961	435	50	0	179	206
Nkwanta South	7,684	1,068	569	2,645	3,402	6,074	965	495	2,008	2,606	1,610	103	74	637	796
Nkwanta North	4,710	0	271	1,838	2,601	3,261	0	200	1,148	1,913	1,449	0	71	690	688
North Tongu	7,738	2,277	570	2,128	2,763	5,627	1,165	570	1,717	2,175	2,111	1,112	0	411	588
Akatsi North	1,367	0	205	499	663	1,182	0	197	412	573	185	0	8	87	90
Adaklu	1,564	0	119	826	619	1,383	0	104	743	536	181	0	15	83	83
Ho West	6,129	513	659	2,613	2,344	5,313	481	519	2,355	1,958	816	32	140	258	386
Afadzato South	5,464	150	871	2,466	1,977	4,624	150	762	2,198	1,514	840	0	109	268	463
North Dayi	2,035	405	120	723	787	1,795	312	120	626	737	240	93	0	97	50
Krachi Nchumuru	3,267	459	78	1,146	1,584	2,260	152	74	840	1,194	1,007	307	4	306	390

**Table A4.18: Distribution of persons engaged in Volta Region by district and LSM establishments**

Region/District	Number of Persons engaged					Percentage distribution by size				
	All					All				
	Establishments	Large	Medium	Small	Micro	Establishments	Large	Medium	Small	Micro
<b>Volta Region</b>	<b>171,827</b>	<b>22,782</b>	<b>16,170</b>	<b>61,577</b>	<b>71,298</b>	<b>100.0</b>	<b>13.3</b>	<b>9.4</b>	<b>35.8</b>	<b>41.5</b>
South Tongu	7,864	1,454	974	2,897	2,539	100.0	18.5	12.4	36.8	32.3
Keta Municipal	11,429	1,062	1,313	4,179	4,875	100.0	9.3	11.5	36.6	42.7
Ketu South	17,155	1,114	1,546	6,310	8,185	100.0	6.5	9.0	36.8	47.7
Ketu North	7,387	617	537	2,698	3,535	100.0	8.4	7.3	36.5	47.9
Akatsi South	6,635	808	647	2,139	3,041	100.0	12.2	9.8	32.2	45.8
Central Tongu	4,360	323	414	1,474	2,149	100.0	7.4	9.5	33.8	49.3
Agotime Ziope	1,900	102	231	791	776	100.0	5.4	12.2	41.6	40.8
Ho Municipal	25,892	6,654	3,056	7,817	8,365	100.0	25.7	11.8	30.2	32.3
South Dayi	3,485	432	487	1,348	1,218	100.0	12.4	14.0	38.7	34.9
Kpando Municipal	5,543	1,043	421	2,003	2,076	100.0	18.8	7.6	36.1	37.5
Hohoe Municipal	12,804	1,226	1,150	4,954	5,474	100.0	9.6	9.0	38.7	42.8
Biakoye	4,823	393	368	1,816	2,246	100.0	8.1	7.6	37.7	46.6
Jasikan	5,914	965	539	1,922	2,488	100.0	16.3	9.1	32.5	42.1
Kadjebi	6,856	930	458	2,731	2,737	100.0	13.6	6.7	39.8	39.9
Krachi East	6,800	105	290	2,718	3,687	100.0	1.5	4.3	40.0	54.2
Krachi West	3,022	682	277	896	1,167	100.0	22.6	9.2	29.6	38.6
Nkwanta South	7,684	1,068	569	2,645	3,402	100.0	13.9	7.4	34.4	44.3
Nkwanta North	4,710	0	271	1,838	2,601	100.0	0.0	5.8	39.0	55.2
North Tongu	7,738	2,277	570	2,128	2,763	100.0	29.4	7.4	27.5	35.7
Akatsi North	1,367	0	205	499	663	100.0	0.0	15.0	36.5	48.5
Adaklu	1,564	0	119	826	619	100.0	0.0	7.6	52.8	39.6
Ho West	6,129	513	659	2,613	2,344	100.0	8.4	10.8	42.6	38.2
Afadzato South	5,464	150	871	2,466	1,977	100.0	2.7	15.9	45.1	36.2
North Dayi	2,035	405	120	723	787	100.0	19.9	5.9	35.5	38.7
Krachi Nchumuru	3,267	459	78	1,146	1,584	100.0	14.0	2.4	35.1	48.5

**Table A4.19: Distribution of persons engaged in Volta Region by district and LSM establishments**

Region/District	All persons			Large			Medium			Small			Micro		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Volta Region</b>	<b>171,827</b>	81.0	19.0	<b>22,782</b>	83.8	16.2	<b>16,170</b>	88.3	11.7	<b>61,577</b>	80.3	19.7	<b>71,298</b>	79.1	20.9
South Tongu	7,864	80.2	19.8	1,454	94.9	5.1	974	85.0	15.0	2,897	79.3	20.7	2,539	71.0	29.0
Keta Municipal	11,429	79.7	20.3	1,062	91.6	8.4	1,313	90.0	10.0	4,179	77.1	22.9	4,875	76.5	23.5
Ketu South	17,155	78.4	21.6	1,114	90.8	9.2	1,546	86.5	13.5	6,310	76.4	23.6	8,185	76.7	23.3
Ketu North	7,387	76.0	24.0	617	60.9	39.1	537	79.9	20.1	2,698	78.8	21.2	3,535	75.9	24.1
Akatsi South	6,635	78.4	21.6	808	94.1	5.9	647	76.2	23.8	2,139	73.9	26.1	3,041	78.0	22.0
Central Tongu	4,360	91.1	8.9	323	100.0	0.0	414	99.3	0.7	1,474	91.9	8.1	2,149	87.8	12.2
Agotime Ziope	1,900	87.0	13.0	102	88.2	11.8	231	87.4	12.6	791	89.6	10.4	776	84.0	16.0
Ho Municipal	25,892	86.5	13.5	6,654	91.7	8.3	3,056	91.3	8.7	7,817	82.8	17.2	8,365	84.0	16.0
South Dayi	3,485	88.0	12.0	432	100.0	0.0	487	83.6	16.4	1,348	89.6	10.4	1,218	83.7	16.3
Kpando Municipal	5,543	83.7	16.3	1,043	88.0	12.0	421	76.5	23.5	2,003	82.9	17.1	2,076	83.7	16.3
Hohoe Municipal	12,804	85.2	14.8	1,226	91.3	8.7	1,150	94.5	5.5	4,954	84.1	15.9	5,474	82.9	17.1
Biakoye	4,823	79.1	20.9	393	43.0	57.0	368	94.0	6.0	1,816	78.0	22.0	2,246	83.8	16.2
Jasikan	5,914	77.6	22.4	965	97.3	2.7	539	92.4	7.6	1,922	75.8	24.2	2,488	68.1	31.9
Kadjebi	6,856	72.4	27.6	930	61.2	38.8	458	78.6	21.4	2,731	75.9	24.1	2,737	71.7	28.3
Krachi East	6,800	80.2	19.8	105	75.2	24.8	290	94.1	5.9	2,718	78.3	21.7	3,687	80.7	19.3
Krachi West	3,022	85.6	14.4	682	92.7	7.3	277	100.0	0.0	896	80.0	20.0	1,167	82.3	17.7
Nkwanta South	7,684	79.0	21.0	1,068	90.4	9.6	569	87.0	13.0	2,645	75.9	24.1	3,402	76.6	23.4
Nkwanta North	4,710	69.2	30.8	0	0.0	0.0	271	73.8	26.2	1,838	62.5	37.5	2,601	73.5	26.5
North Tongu	7,738	72.7	27.3	2,277	51.2	48.8	570	100.0	0.0	2,128	80.7	19.3	2,763	78.7	21.3
Akatsi North	1,367	86.5	13.5	0	0.0	0.0	205	96.1	3.9	499	82.6	17.4	663	86.4	13.6
Adaklu	1,564	88.4	11.6	0	0.0	0.0	119	87.4	12.6	826	90.0	10.0	619	86.6	13.4
Ho West	6,129	86.7	13.3	513	93.8	6.2	659	78.8	21.2	2,613	90.1	9.9	2,344	83.5	16.5
Afadzato South	5,464	84.6	15.4	150	100.0	0.0	871	87.5	12.5	2,466	89.1	10.9	1,977	76.6	23.4
North Dayi	2,035	88.2	11.8	405	77.0	23.0	120	100.0	0.0	723	86.6	13.4	787	93.6	6.4
Krachi Nchumuru	3,267	69.2	30.8	459	33.1	66.9	78	94.9	5.1	1,146	73.3	26.7	1,584	75.4	24.6

**Table A4.20: Distribution of persons engaged in establishments in Volta Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											
		Overall	Sole Proprietorship	Partnership	Private Limited Company by Guarantee	Public Limited Company	Statutory	Other Governmental Inst. (MDAs)	Quasi Gov't	Para-statal Government	Non Governmental Organization (NGO)	Cooperative	Association/ Groups
<b>Volta Region</b>	171,827	100.0	46.5	6.8	5.6	1.9	2.9	20.3	2.4	0.4	11.2	0.5	1.5
South Tongu	7,864	100.0	44.8	7.4	9.2	0.8	4.5	20.0	0.0	4.8	8.1	0.1	0.2
Keta Municipal	11,429	100.0	48.1	8.3	3.6	0.4	0.5	28.0	0.5	0.5	9.4	0.0	0.8
Ketu South	17,155	100.0	62.8	9.4	5.1	1.8	3.5	10.9	0.4	0.1	5.2	0.1	0.7
Ketu North	7,387	100.0	57.5	8.2	3.0	0.4	6.9	15.7	2.4	0.0	5.7	0.0	0.2
Akatsi South	6,635	100.0	55.7	8.7	8.4	0.0	5.0	14.0	0.1	0.0	6.1	1.3	0.7
Central Tongu	4,360	100.0	42.1	5.6	2.7	0.1	2.4	27.5	1.0	0.0	17.4	0.3	0.9
Agotime-Ziope	1,900	100.0	36.6	1.5	1.5	2.1	1.6	48.1	0.2	0.0	7.4	0.1	0.8
Ho Municipal	25,892	100.0	41.8	4.7	10.2	3.2	6.7	19.9	3.9	0.5	6.8	0.2	1.9
South Dayi	3,485	100.0	48.0	7.1	1.1	0.7	0.4	28.8	3.2	0.0	10.3	0.0	0.3
Kpando Municipal	5,543	100.0	45.1	14.3	3.1	0.9	1.9	21.7	4.2	0.1	6.8	0.4	1.5
Hohoe Municipal	12,804	100.0	50.2	5.0	7.8	1.3	1.6	16.7	4.0	0.0	12.4	0.3	0.6
Biakoye	4,823	100.0	44.2	4.9	2.1	0.2	1.2	23.6	4.2	0.0	19.1	0.0	0.6
Jasikan	5,914	100.0	37.0	7.7	10.1	1.0	2.5	19.3	5.1	0.0	15.5	0.4	1.4
Kadjebi	6,856	100.0	39.6	4.4	9.6	0.8	0.8	23.8	3.1	0.0	17.1	0.2	0.5
Krachi East	6,800	100.0	55.1	10.5	1.2	0.2	0.7	15.6	1.2	0.5	14.3	0.0	0.6
Krachi West	3,022	100.0	34.8	13.9	0.9	0.2	5.6	23.6	8.4	0.0	12.4	0.2	0.0
Nkwanta South	7,684	100.0	45.1	7.1	5.8	0.1	0.4	19.7	0.6	0.3	10.7	0.1	10.2
Nkwanta North	4,710	100.0	58.2	7.5	0.3	1.0	2.4	13.0	1.6	0.3	14.2	0.4	1.2
North Tongu	7,738	100.0	41.2	5.8	6.9	18.5	1.7	17.3	0.1	0.1	7.4	0.1	0.9
Akatsi North	1,367	100.0	58.2	3.4	2.0	0.0	2.4	25.8	0.3	0.1	4.8	0.0	2.9
Adaklu	1,564	100.0	30.8	2.9	0.5	0.0	0.0	33.9	1.9	1.0	27.2	0.0	1.8
Ho West	6,129	100.0	31.8	4.3	1.0	1.5	1.0	32.4	2.7	0.0	24.1	0.2	1.1
Afadzato South	5,464	100.0	32.2	4.7	2.5	0.8	0.2	24.1	3.6	0.0	27.9	0.0	3.9
North Dayi	2,035	100.0	35.4	2.0	3.7	0.1	0.7	44.8	0.0	0.0	10.1	0.1	3.0
Krachi Nchumuru	3,267	100.0	40.8	2.4	0.1	0.0	0.7	10.4	7.7	0.0	22.6	14.8	0.5

**Table A5.1: Distribution of establishments by sector and districts, Eastern Region**

Region and District	All Sectors		Industry		Service		Agriculture		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	All sectors	Industry	Services	Agriculture
<b>Eastern Region</b>	<b>58,766</b>	<b>100.0</b>	<b>9,558</b>	<b>100.0</b>	<b>48,819</b>	<b>100.0</b>	<b>389</b>	<b>100.0</b>	<b>100.0</b>	<b>16.3</b>	<b>83.1</b>	<b>0.7</b>
Birim South	1,128	1.9	171	1.8	948	1.9	9	2.3	100.0	15.2	84.0	0.8
Birim Municipal	4,025	6.8	741	7.8	3,267	6.7	17	4.4	100.0	18.4	81.2	0.4
West Akim Municipal	2,523	4.3	414	4.3	2,106	4.3	3	0.8	100.0	16.4	83.5	0.1
Suhum Municipal	2,716	4.6	536	5.6	2,172	4.4	8	2.1	100.0	19.7	80.0	0.3
Nsawam Adoagyiri Municipal	2,561	4.4	429	4.5	2,038	4.2	94	24.2	100.0	16.8	79.6	3.7
Akwapim North	2,623	4.5	342	3.6	2,270	4.6	11	2.8	100.0	13.0	86.5	0.4
New Juaben Municipal	7,905	13.5	1,287	13.5	6,609	13.5	9	2.3	100.0	16.3	83.6	0.1
Yilo Krobo Municipal	2,277	3.9	453	4.7	1,771	3.6	53	13.6	100.0	19.9	77.8	2.3
Lower Manya krobo Municipal	2,502	4.3	484	5.1	1,999	4.1	19	4.9	100.0	19.3	79.9	0.8
Asuogyaman	1,901	3.2	268	2.8	1,593	3.3	40	10.3	100.0	14.1	83.8	2.1
Upper Manya Krobo	1,308	2.2	335	3.5	961	2.0	12	3.1	100.0	25.6	73.5	0.9
Fanteakwa	2,294	3.9	369	3.9	1,916	3.9	9	2.3	100.0	16.1	83.5	0.4
East Akim Municipal	3,364	5.7	486	5.1	2,871	5.9	7	1.8	100.0	14.4	85.3	0.2
Kwaebibirem	2,266	3.9	371	3.9	1,885	3.9	10	2.6	100.0	16.4	83.2	0.4
Akyemansa	1,874	3.2	274	2.9	1,582	3.2	18	4.6	100.0	14.6	84.4	1.0
Birim North	1,854	3.2	298	3.1	1,545	3.2	11	2.8	100.0	16.1	83.3	0.6
Atiwa	2,437	4.1	268	2.8	2,162	4.4	7	1.8	100.0	11.0	88.7	0.3
Kwahu West Municipal	3,763	6.4	632	6.6	3,120	6.4	11	2.8	100.0	16.8	82.9	0.3
Kwahu South	1,669	2.8	226	2.4	1,442	3.0	1	0.3	100.0	13.5	86.4	0.1
Kwahu East	1,485	2.5	171	1.8	1,310	2.7	4	1.0	100.0	11.5	88.2	0.3
Kwahu Afram Plains North	464	0.8	94	1.0	368	0.8	2	0.5	100.0	20.3	79.3	0.4
Upper West Akim	1,446	2.5	248	2.6	1,182	2.4	16	4.1	100.0	17.2	81.7	1.1
Akwapim South	904	1.5	107	1.1	791	1.6	6	1.5	100.0	11.8	87.5	0.7
Ayensuano	1,479	2.5	228	2.4	1,244	2.5	7	1.8	100.0	15.4	84.1	0.5
Denkyembuor	851	1.4	149	1.6	700	1.4	2	0.5	100.0	17.5	82.3	0.2
Kwahu Afram Plains South	1,147	2.0	177	1.9	967	2.0	3	0.8	100.0	15.4	84.3	0.3

**Table A5.2: Distribution of industry subsector establishments in Eastern Region by district**

Region District	Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction		Industry Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Eastern Region</b>	<b>9,086</b>	100.0	<b>27</b>	100.0	<b>37</b>	100.0	<b>77</b>	100.0	<b>331</b>	100.0	<b>9,558</b>	100.0
Birim South	161	1.8	-	0.0	2	5.4	3	3.9	5	1.5	171	1.8
Birim Municipal	682	7.5	3	11.1	1	2.7	4	5.2	51	15.4	741	7.8
West Akim Municipal	403	4.4	-	0.0	1	2.7	3	3.9	7	2.1	414	4.3
Suhum Municipal	523	5.8	-	0.0	2	5.4	2	2.6	9	2.7	536	5.6
Nsawam Adoagyiri Municipal	410	4.5	8	29.6	-	0.0	3	3.9	8	2.4	429	4.5
Akwapim North	321	3.5	-	0.0	1	2.7	2	2.6	18	5.4	342	3.6
New Juaben Municipal	1,178	13.0	1	3.7	5	13.5	5	6.5	98	29.6	1,287	13.5
Yilo Krobo Municipal	436	4.8	4	14.8	2	5.4	1	1.3	10	3.0	453	4.7
Lower Manya krobo Municipal	473	5.2	4	14.8	-	0.0	2	2.6	5	1.5	484	5.1
Asuogyaman	245	2.7	-	0.0	2	5.4	4	5.2	17	5.1	268	2.8
Upper Manya Krobo	323	3.6	-	0.0	2	5.4	4	5.2	6	1.8	335	3.5
Fanteakwa	362	4.0	-	0.0	1	2.7	-	0.0	6	1.8	369	3.9
East Akim Municipal	472	5.2	-	0.0	3	8.1	5	6.5	6	1.8	486	5.1
Kwaebibirem	354	3.9	-	0.0	2	5.4	6	7.8	9	2.7	371	3.9
Akyemansa	268	2.9	-	0.0	3	8.1	2	2.6	1	0.3	274	2.9
Birim North	276	3.0	-	0.0	2	5.4	6	7.8	14	4.2	298	3.1
Atiwa	255	2.8	2	7.4	1	2.7	2	2.6	8	2.4	268	2.8
Kwahu West Municipal	597	6.6	-	0.0	2	5.4	3	3.9	30	9.1	632	6.6
Kwahu South	220	2.4	-	0.0	1	2.7	1	1.3	4	1.2	226	2.4
Kwahu East	164	1.8	-	0.0	-	0.0	1	1.3	6	1.8	171	1.8
Kwahu Afram Plains North	88	1.0	-	0.0	1	2.7	3	3.9	2	0.6	94	1.0
Upper West Akim	238	2.6	-	0.0	-	0.0	8	10.4	2	0.6	248	2.6
Akwapim South	102	1.1	-	0.0	-	0.0	2	2.6	3	0.9	107	1.1
Ayensuano	223	2.5	-	0.0	-	0.0	1	1.3	4	1.2	228	2.4
Denkyembuor	138	1.5	5	18.5	2	5.4	3	3.9	1	0.3	149	1.6
Kwahu Afram Plains South	174	1.9	-	0.0	1	2.7	1	1.3	1	0.3	177	1.9



**Table A5.3: Distribution of services subsector establishments in Eastern Region by district**

Region/District	Services Total	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Professional, Scientific and Technical	Administrative and support Service Activity	Public Administration and Defence	Educational	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services	Household Employers	Extraterritorial Organisations
<b>Eastern Region</b>	48,819	26,258	107	5,558	248	557	12	348	448	438	3,274	680	318	10,570	2	1
Birim South	948	539	1	27	10	4	-	4	9	14	103	21	2	214	-	-
Birim Municipal	3,267	1,825	7	284	13	60	1	37	23	30	228	37	9	713	-	-
West Akim Municipal	2,106	1,148	1	230	9	21	1	14	20	17	125	27	5	488	-	-
Suhum Municipal	2,172	1,152	3	222	11	23	-	20	25	16	152	23	8	517	-	-
Nsawam Adoagyiri Municipal	2,038	1,148	3	211	15	22	2	10	29	7	123	36	8	423	1	-
Akwapim North	2,270	1,109	9	326	10	23	-	19	18	25	182	41	7	499	1	1
New Juaben Municipal	6,609	4,080	17	575	50	101	4	64	80	74	230	62	113	1,159	-	-
Yilo Krobo Municipal	1,771	857	1	160	12	32	-	19	25	15	141	37	6	466	-	-
Lower Manya krobo Municipal	1,999	1,073	9	237	5	16	2	33	12	27	119	20	5	441	-	-
Asuogyaman	1,593	774	7	204	12	26	-	5	24	24	116	30	15	356	-	-
Upper Manya Krobo	961	320	2	93	-	14	-	6	11	9	138	14	10	344	-	-
Fanteakwa	1,916	868	4	240	2	16	1	6	13	16	172	31	16	531	-	-
East Akim Municipal	2,871	1,641	6	338	19	33	-	27	22	25	175	37	9	539	-	-
Kwaebibirem	1,885	1,007	3	193	5	21	-	1	14	16	152	32	6	435	-	-
Akyemansa	1,582	832	1	192	12	6	-	2	12	17	107	24	17	360	-	-
Birim North	1,545	813	3	256	1	19	-	6	13	9	85	25	14	301	-	-
Atiwa	2,162	1,186	4	301	10	14	-	9	11	18	137	28	22	422	-	-
Kwahu West Municipal	3,120	1,792	12	344	14	47	-	30	17	19	174	31	10	630	-	-
Kwahu South	1,442	795	3	192	4	10	-	2	13	17	91	20	6	289	-	-
Kwahu East	1,310	704	2	194	7	13	-	4	18	8	89	20	6	245	-	-
Kwahu Afram Plains North	368	200	1	45	3	5	-	4	3	10	15	6	3	73	-	-
Upper West Akim	1,182	534	2	163	5	8	-	6	8	7	115	27	3	304	-	-
Akwapim South	791	443	2	93	4	3	1	9	11	6	53	11	5	150	-	-
Ayensuano	1,244	542	1	215	10	9	-	5	7	3	124	18	7	303	-	-
Denkyembuor	700	406	2	72	2	7	-	5	7	2	61	5	6	125	-	-
Kwahu Afram Plains South	967	470	1	151	3	4	-	1	3	7	67	17	-	243	-	-

**Table A5.4: Distribution of agriculture subsector establishments in Eastern Region by district**

Region/District	Agriculture Total		Crops		Livestock		Forestry		Fishing	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Eastern Region</b>	<b>389</b>	100.0	<b>209</b>	100.0	<b>137</b>	100.0	<b>16</b>	100.0	<b>27</b>	100.0
Birim South	9	2.3	6	2.9	2	1.5	1	6.3	0	0.0
Birim Municipal	17	4.4	9	4.3	4	2.9	4	25.0	0	0.0
West Akim Municipal	3	0.8	1	0.5	1	0.7	0	0.0	1	3.7
Suhum Municipal	8	2.1	4	1.9	4	2.9	0	0.0	0	0.0
Nsawam Adoagyiri Municipal	94	24.2	64	30.6	30	21.9	0	0.0	0	0.0
Akwapim North	11	2.8	4	1.9	7	5.1	0	0.0	0	0.0
New Juaben Municipal	9	2.3	7	3.3	2	1.5	0	0.0	0	0.0
Yilo Krobo Municipal	53	13.6	36	17.2	15	10.9	2	12.5	0	0.0
Lower Manya krobo Municipal	19	4.9	9	4.3	4	2.9	0	0.0	6	22.2
Asuogyaman	40	10.3	6	2.9	15	10.9	1	6.3	18	66.7
Upper Manya Krobo	12	3.1	4	1.9	7	5.1	0	0.0	1	3.7
Fanteakwa	9	2.3	3	1.4	4	2.9	2	12.5	0	0.0
East Akim Municipal	7	1.8	1	0.5	6	4.4	0	0.0	0	0.0
Kwaebibirem	10	2.6	6	2.9	3	2.2	1	6.3	0	0.0
Akyemansa	18	4.6	16	7.7	2	1.5	0	0.0	0	0.0
Birim North	11	2.8	6	2.9	5	3.6	0	0.0	0	0.0
Atiwa	7	1.8	3	1.4	4	2.9	0	0.0	0	0.0
Kwahu West Municipal	11	2.8	7	3.3	1	0.7	3	18.8	0	0.0
Kwahu South	1	0.3	0	0.0	1	0.7	0	0.0	0	0.0
Kwahu East	4	1.0	0	0.0	3	2.2	1	6.3	0	0.0
Kwahu Afram Plains North	2	0.5	0	0.0	1	0.7	1	6.3	0	0.0
Upper West Akim	16	4.1	7	3.3	8	5.8	0	0.0	1	3.7
Akwapim South	6	1.5	5	2.4	1	0.7	0	0.0	0	0.0
Ayensuano	7	1.8	1	0.5	6	4.4	0	0.0	0	0.0
Denkyembuor	2	0.5	1	0.5	1	0.7	0	0.0	0	0.0
Kwahu Afram Plains South	3	0.8	3	1.4	0	0.0	0	0.0	0	0.0

**Table A5.5: Number of establishments in Eastern Region by district and LMSM**

Region/District	Large		Medium		Small		Micro		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Eastern Region</b>	<b>182</b>	100.0	<b>482</b>	100.0	<b>8,087</b>	100.0	<b>50,015</b>	100.0	<b>58,766</b>	100.0
Birim South	7	3.8	26	5.4	165	2.0	930	1.9	1,128	1.9
Birim Municipal	19	10.4	42	8.7	618	7.6	3,346	6.7	4,025	6.8
West Akim Municipal	3	1.6	15	3.1	328	4.1	2,177	4.4	2,523	4.3
Suhum Municipal	9	4.9	21	4.4	421	5.2	2,265	4.5	2,716	4.6
Nsawam Adoagyiri Municipal	8	4.4	31	6.4	393	4.9	2,129	4.3	2,561	4.4
Akwapem North	15	8.2	26	5.4	380	4.7	2,202	4.4	2,623	4.5
New Juaben Municipal	28	15.4	71	14.7	815	10.1	6,991	14.0	7,905	13.5
Yilo Krobo	2	1.1	16	3.3	364	4.5	1,895	3.8	2,277	3.9
Lower Manya	9	4.9	18	3.7	335	4.1	2,140	4.3	2,502	4.3
Asuogyaman	13	7.1	26	5.4	303	3.7	1,559	3.1	1,901	3.2
Upper Manya	4	2.2	3	0.6	264	3.3	1,037	2.1	1,308	2.2
Fanteakwa	5	2.7	12	2.5	329	4.1	1,948	3.9	2,294	3.9
East Akim Municipal	9	4.9	24	5.0	354	4.4	2,977	6.0	3,364	5.7
Kwaebibirem	7	3.8	19	3.9	383	4.7	1,857	3.7	2,266	3.9
Akyem Mansa	2	1.1	17	3.5	288	3.6	1,567	3.1	1,874	3.2
Birim North	6	3.3	9	1.9	272	3.4	1,567	3.1	1,854	3.2
Atiwa	3	1.6	7	1.5	339	4.2	2,088	4.2	2,437	4.1
Kwahu West Municipal	8	4.4	42	8.7	512	6.3	3,201	6.4	3,763	6.4
Kwahu South	3	1.6	10	2.1	241	3.0	1,415	2.8	1,669	2.8
Kwahu East	6	3.3	9	1.9	143	1.8	1,327	2.7	1,485	2.5
Kwahu Afram Plains North	2	1.1	6	1.2	62	0.8	394	0.8	464	0.8
Upper West Akyem	4	2.2	2	0.4	202	2.5	1,238	2.5	1,446	2.5
Akwapim South	5	2.7	6	1.2	112	1.4	781	1.6	904	1.5
Ayensuano	0.0	0.0	7	1.5	223	2.8	1,249	2.5	1,479	2.5
Denkyembuor	4	2.2	11	2.3	93	1.1	743	1.5	851	1.4
Kwahu Afram Plains South	1	0.5	6	1.2	148	1.8	992	2.0	1,147	2.0

**Table A5.6: Distribution of establishments in Eastern Region by district and size**

Regions/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Eastern</b>	<b>58,766</b>	<b>47,687</b>	<b>6,653</b>	<b>2,083</b>	<b>952</b>	<b>461</b>	<b>202</b>	<b>319</b>	<b>217</b>	<b>139</b>	<b>53</b>
Birim South	1,128	894	119	50	16	12	2	15	11	7	2
Birim Municipal	4,025	3,153	519	161	80	35	12	23	20	18	4
West Akim Municipal	2,523	2,070	290	75	49	14	4	9	9	1	2
Suhum Municipal	2,716	2,145	356	107	34	24	16	13	11	7	3
Nsawam Adoagyiri Municipal	2,561	1,991	344	96	44	26	15	21	16	4	4
Akwapim North	2,623	2,117	257	102	69	22	12	14	13	15	2
New Juaben Municipal	7,905	6,718	683	200	96	62	35	50	33	19	9
Yilo Krobo Municipal	2,277	1,797	283	92	45	29	13	8	8	1	1
Lower Manya krobo Municipal	2,502	2,064	239	87	47	31	6	9	10	7	2
Asuogyaman	1,901	1,485	215	101	39	12	8	14	14	7	6
Upper Manya Krobo	1,308	960	256	55	23	5	2	1	2	3	1
Fanteakwa	2,294	1,852	287	87	34	10	4	6	9	5	0
East Akim Municipal	3,364	2,865	303	91	40	20	10	18	8	7	2
Kwaebibirem	2,266	1,776	286	108	36	21	9	16	7	5	2
Akyemansa	1,874	1,498	232	71	37	11	3	17	3	1	1
Birim North	1,854	1,479	230	62	38	25	5	4	5	5	1
Atiwa	2,437	1,994	273	95	43	9	9	6	5	3	0
Kwahu West Municipal	3,763	3,073	389	135	60	35	15	37	11	7	1
Kwahu South	1,669	1,351	196	65	24	12	7	7	3	3	1
Kwahu East	1,485	1,272	141	34	15	5	3	3	6	5	1
Kwahu Afram Plains North	464	375	52	16	5	5	3	4	2	0	2
Upper West Akim	1,446	1,173	185	49	18	12	3	2	0	3	1
Akwapim South	904	755	82	23	17	14	1	6	1	5	0
Ayensuano	1,479	1,190	201	60	18	1	0	5	4	0	0
Denkyembuor	851	707	80	27	16	5	1	5	5	1	4
Kwahu Afram Plains South	1,147	933	155	34	9	4	4	6	1	0	1

**Table A5.7: Number of establishments in Eastern Region by type of institutional registration**

	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
Eastern	58,766	3973	54,793	6.8	93.2	2.9	13.2	61.9	29.4
Birim South	1,128	107	1,021	9.5	90.5	9.3	16.8	71.0	38.3
Birim Municipal	4,025	407	3,618	10.1	89.9	2.9	17.2	67.0	44.6
West Akim Municipal	2,523	210	2,313	8.3	91.7	2.7	14.0	68.2	64.5
Suhum Municipal	2,716	175	2,541	6.4	93.6	4.3	17.9	60.5	36.7
Nsawam Adoagyiri Municipal	2,561	173	2,388	6.8	93.2	5.2	15.2	46.0	42.5
Akwapem North	2,623	232	2,391	8.8	91.2	2.4	17.8	65.1	29.6
New Juaben Municipal	7,905	740	7,165	9.4	90.6	1.8	15.5	74.7	28.9
Yilo Krobo	2,277	166	2,111	7.3	92.7	2.6	13.3	65.7	41.9
Lower Manya	2,502	126	2,376	5.0	95.0	2.6	12.8	51.6	42.4
Asuogyaman	1,901	216	1,685	11.4	88.6	2.1	18.0	61.4	21.1
Upper Manya	1,308	54	1,254	4.1	95.9	3.7	14.1	41.5	13.2
Fanteakwa	2,294	51	2,243	2.2	97.8	1.5	8.3	56.7	7.4
East Akim Municipal	3,364	155	3,209	4.6	95.4	1.5	9.0	79.1	22.5
Kwaebibirem	2,266	182	2,084	8.0	92.0	1.8	13.4	43.1	18.4
Akyem Mansa	1,874	83	1,791	4.4	95.6	1.1	9.5	22.5	6.8
Birim North	1,854	93	1,761	5.0	95.0	1.6	8.0	29.6	6.4
Atiwa	2,437	129	2,308	5.3	94.7	1.4	8.4	46.1	11.4
Kwahu West Municipal	3,763	249	3,514	6.6	93.4	2.5	12.5	83.6	41.5
Kwahu South	1,669	47	1,622	2.8	97.2	1.3	9.8	66.2	25.1
Kwahu East	1,485	29	1,456	2.0	98.0	1.7	5.9	66.9	13.1
Kwahu Afram Plains North	464	36	428	7.8	92.2	1.3	15.3	68.5	13.4
Upper West Akyem	1,446	55	1,391	3.8	96.2	6.1	12.0	52.6	35.4
Akwapim South	904	70	834	7.7	92.3	3.3	11.4	63.6	33.5
Ayensuano	1,479	16	1,463	1.1	98.9	3.2	9.6	67.4	15.4
Denkyembuor	851	64	787	7.5	92.5	19.4	11.6	61.7	22.9
Kwahu Afram Plains South	1147	108	1,039	9.4	90.6	7.4	17.3	69.7	30.8

*EPA: Environmental protection agency**RGD: Register general department**DA: District assembly**GRA: Ghana Revenue authority*

**Table A5.8: Number of establishments in Eastern Region by district and type of legal organization**

Region/District	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc.)	Quasi Government	Para-statal Government	Non Governmental Organization	Cooperative	Association/Groups
<b>Eastern</b>	<b>58,766</b>	<b>45,175</b>	<b>5,107</b>	<b>1,078</b>	<b>400</b>	<b>210</b>	<b>2,399</b>	<b>204</b>	<b>89</b>	<b>3,566</b>	<b>84</b>	<b>454</b>
Birim South	1,128	793	119	16	41	6	55	1	0	23	8	66
Birim Municipal	4,025	3,042	443	152	30	13	110	5	1	173	4	52
West Akim Municipal	2,523	1,943	227	20	17	8	103	5	8	186	1	5
Suhum Municipal	2,716	2,114	234	50	15	1	112	3	0	167	1	19
Nsawam Adoagyiri Municipal	2,561	1,981	265	75	13	6	52	1	1	119	3	45
Akwapim North	2,623	1,934	235	54	15	13	147	15	2	189	5	14
New Juaben Municipal	7,905	6,453	797	214	20	13	181	16	22	159	7	23
Yilo Krobo Municipal	2,277	1,692	198	44	9	8	117	2	2	195	1	9
Lower Manya krobo Municipal	2,502	2,074	173	20	6	5	89	2	4	114	9	6
Asuogyaman	1,901	1,425	173	55	9	23	84	11	4	108	5	4
Upper Manya Krobo	1,308	793	91	5	2	8	128	7	2	265	1	6
Fanteakwa	2,294	1,559	226	10	5	13	151	16	2	298	4	10
East Akim Municipal	3,364	2,773	285	35	28	27	114	7	7	65	1	22
Kwaebibirem	2,266	1,727	176	42	10	4	97	6	1	193	5	5
Akyemansa	1,874	1,340	119	35	30	10	82	27	4	221	3	3
Birim North	1,854	1,369	148	83	19	4	74	15	9	125	4	4
Atiwa	2,437	1,835	202	31	56	3	100	9	8	151	2	40
Kwahu West Municipal	3,763	3,181	236	50	7	16	112	8	3	100	4	46
Kwahu South	1,669	1,315	138	6	4	2	103	3	0	94	1	3
Kwahu East	1,485	1,092	163	12	3	5	93	0	2	89	2	24
Kwahu Afram Plains North	464	377	25	5	1	8	15	3	2	25	0	3
Upper West Akim	1,446	1,053	98	13	16	9	69	28	4	146	1	9
Akwapim South	904	771	36	10	4	2	27	8	0	15	1	30
Ayensuano	1,479	1,092	87	24	37	0	75	5	1	154	4	0
Denkyembuor	851	672	91	13	1	2	38	0	0	29	2	3
Kwahu Afram Plains South	1,147	775	122	4	2	1	71	1	0	163	5	3

**Table A5.9: Number of establishments in Eastern Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Eastern</b>	<b>3,562</b>	<b>100.0</b>	<b>2,007</b>	<b>100.0</b>	<b>4,190</b>	<b>100.0</b>	<b>11,137</b>	<b>100.0</b>	<b>37,768</b>	<b>100.0</b>
Birim South	85	2.4	39	1.9	83	2.0	217	1.9	704	1.9
Birim Municipal	251	7.0	138	6.9	285	6.8	828	7.4	2,510	6.6
West Akim Municipal	124	3.5	75	3.7	156	3.7	478	4.3	1,690	4.5
Suhum Municipal	147	4.1	82	4.1	202	4.8	563	5.1	1,708	4.5
Nsawam Adoagyiri Municipal	118	3.3	78	3.9	175	4.2	413	3.7	1,776	4.7
Akwapim North	203	5.7	109	5.4	191	4.6	509	4.6	1,591	4.2
New Juaben Municipal	361	10.1	290	14.4	564	13.5	1,598	14.3	5,091	13.5
Yilo Krobo Municipal	191	5.4	78	3.9	152	3.6	362	3.3	1,494	4.0
Lower Manya krobo Municipal	79	2.2	86	4.3	171	4.1	517	4.6	1,633	4.3
Asuogyaman	144	4.0	53	2.6	165	3.9	342	3.1	1,197	3.2
Upper Manya Krobo	174	4.9	77	3.8	133	3.2	250	2.2	674	1.8
Fanteakwa	180	5.1	93	4.6	206	4.9	388	3.5	1,425	3.8
East Akim Municipal	177	5.0	76	3.8	199	4.7	613	5.5	2,299	6.1
Kwaebibirem	150	4.2	76	3.8	172	4.1	411	3.7	1,457	3.9
Akyemansa	147	4.1	57	2.8	133	3.2	371	3.3	1,165	3.1
Birim North	125	3.5	51	2.5	100	2.4	303	2.7	1,275	3.4
Atiwa	136	3.8	69	3.4	163	3.9	435	3.9	1,627	4.3
Kwahu West Municipal	202	5.7	155	7.7	239	5.7	698	6.3	2,463	6.5
Kwahu South	111	3.1	65	3.2	134	3.2	340	3.1	1,019	2.7
Kwahu East	88	2.5	53	2.6	87	2.1	281	2.5	961	2.5
Kwahu Afram Plains North	7	0.2	11	0.5	48	1.1	110	1.0	288	0.8
Upper West Akim	100	2.8	34	1.7	107	2.6	271	2.4	931	2.5
Akwapim South	56	1.6	23	1.1	50	1.2	142	1.3	632	1.7
Ayensuano	116	3.3	54	2.7	103	2.5	303	2.7	901	2.4
Denkyembuor	53	1.5	32	1.6	62	1.5	160	1.4	544	1.4
Kwahu Afram Plains South	37	1.0	53	2.6	110	2.6	234	2.1	713	1.9

**Table A5.10: Number of industry sector establishments in Eastern Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Eastern</b>	<b>234</b>	100.0	<b>256</b>	100.0	<b>619</b>	100.0	<b>2,023</b>	100.0	<b>6,418</b>	100.0
Birim South	4	1.7	4	1.6	10	1.6	36	1.8	117	1.8
Birim Municipal	25	10.7	31	12.1	45	7.3	158	7.8	481	7.5
West Akim Municipal	8	3.4	7	2.7	21	3.4	77	3.8	301	4.7
Suhum Municipal	12	5.1	18	7.0	43	6.9	133	6.6	330	5.1
Nsawam Adoagyiri Municipal	14	6.0	12	4.7	32	5.2	81	4.0	290	4.5
Akwapim North	13	5.6	16	6.3	12	1.9	72	3.6	228	3.6
New Juaben Municipal	43	18.4	47	18.4	97	15.7	267	13.2	833	13.0
Yilo Krobo Municipal	9	3.8	18	7.0	22	3.6	76	3.8	328	5.1
Lower Manya krobo Municipal	7	3.0	13	5.1	26	4.2	108	5.3	330	5.1
Asuogyaman	16	6.8	6	2.3	25	4.0	52	2.6	169	2.6
Upper Manya Krobo	3	1.3	6	2.3	25	4.0	68	3.4	233	3.6
Fanteakwa	1	0.4	10	3.9	27	4.4	79	3.9	252	3.9
East Akim Municipal	10	4.3	6	2.3	27	4.4	107	5.3	336	5.2
Kwaebibirem	4	1.7	11	4.3	19	3.1	74	3.7	263	4.1
Akyemansa	1	0.4	3	1.2	14	2.3	60	3.0	196	3.1
Birim North	10	4.3	6	2.3	15	2.4	72	3.6	195	3.0
Atiwa	2	0.9	4	1.6	17	2.7	52	2.6	193	3.0
Kwahu West Municipal	23	9.8	13	5.1	45	7.3	130	6.4	419	6.5
Kwahu South	3	1.3	6	2.3	21	3.4	47	2.3	149	2.3
Kwahu East	0	0.0	5	2.0	10	1.6	44	2.2	111	1.7
Kwahu Afram Plains North	1	0.4	1	0.4	7	1.1	31	1.5	54	0.8
Upper West Akim	5	2.1	3	1.2	12	1.9	56	2.8	170	2.6
Akwapim South	6	2.6	2	0.8	7	1.1	14	0.7	78	1.2
Ayensuano	5	2.1	3	1.2	20	3.2	58	2.9	141	2.2
Denkyembuor	8	3.4	3	1.2	9	1.5	32	1.6	97	1.5
Kwahu Afram Plains South	1	0.4	2	0.8	11	1.8	39	1.9	124	1.9



**Table A5.11: Number of Services sector establishments in Eastern Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Eastern</b>	<b>3,293</b>	100.0	<b>1,719</b>	100.0	<b>3,532</b>	100.0	<b>9,023</b>	100.0	<b>31,159</b>	100.0
Birim South	79	2.4	35	2.0	73	2.1	178	2.0	583	1.9
Birim Municipal	224	6.8	102	5.9	238	6.7	667	7.4	2,024	6.5
West Akim Municipal	116	3.5	68	4.0	135	3.8	401	4.4	1,386	4.4
Suhum Municipal	135	4.1	64	3.7	158	4.5	428	4.7	1,373	4.4
Nsawam Adoagyiri Municipal	91	2.8	50	2.9	131	3.7	316	3.5	1,449	4.7
Akwapim North	190	5.8	91	5.3	177	5.0	436	4.8	1,358	4.4
New Juaben Municipal	315	9.6	243	14.1	466	13.2	1,331	14.8	4,253	13.6
Yilo Krobo Municipal	181	5.5	59	3.4	128	3.6	268	3.0	1,135	3.6
Lower Manya krobo Municipal	70	2.1	72	4.2	144	4.1	406	4.5	1,291	4.1
Asuogyaman	127	3.9	47	2.7	138	3.9	279	3.1	1,002	3.2
Upper Manya Krobo	171	5.2	71	4.1	107	3.0	180	2.0	432	1.4
Fanteakwa	178	5.4	83	4.8	179	5.1	306	3.4	1,168	3.7
East Akim Municipal	167	5.1	70	4.1	172	4.9	502	5.6	1,960	6.3
Kwaebibirem	144	4.4	63	3.7	151	4.3	335	3.7	1,192	3.8
Akyemansa	143	4.3	52	3.0	116	3.3	304	3.4	966	3.1
Birim North	113	3.4	44	2.6	83	2.3	231	2.6	1,074	3.4
Atiwa	134	4.1	65	3.8	146	4.1	382	4.2	1,428	4.6
Kwahu West Municipal	177	5.4	142	8.3	190	5.4	567	6.3	2,040	6.5
Kwahu South	108	3.3	59	3.4	112	3.2	293	3.2	870	2.8
Kwahu East	88	2.7	48	2.8	76	2.2	236	2.6	848	2.7
Kwahu Afram Plains North	6	0.2	10	0.6	40	1.1	78	0.9	234	0.8
Upper West Akim	95	2.9	30	1.7	95	2.7	207	2.3	754	2.4
Akwapim South	49	1.5	20	1.2	43	1.2	126	1.4	552	1.8
Ayensuano	111	3.4	51	3.0	82	2.3	244	2.7	755	2.4
Denkyembuor	45	1.4	29	1.7	53	1.5	128	1.4	445	1.4
Kwahu Afram Plains South	36	1.1	51	3.0	99	2.8	194	2.2	587	1.9

**Table A5.12: Number of agriculture sector establishments in Eastern Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Eastern</b>	<b>35</b>	<b>100.0</b>	<b>32</b>	<b>100.0</b>	<b>39</b>	<b>100.0</b>	<b>91</b>	<b>100.0</b>	<b>191</b>	<b>100.0</b>
Birim South	2	5.7	0	0.0	0	0.0	3	3.3	4	2.1
Birim Municipal	2	5.7	5	15.6	2	5.1	3	3.3	5	2.6
West Akim Municipal	0	0.0	0	0.0	0	0.0	0	0.0	3	1.6
Suhum Municipal	0	0.0	0	0.0	1	2.6	2	2.2	5	2.6
Nsawam Adoagyiri Municipal	13	37.1	16	50.0	12	30.8	16	17.6	37	19.4
Akwapim North	0	0.0	2	6.3	2	5.1	1	1.1	5	2.6
New Juaben Municipal	3	8.6	0	0.0	1	2.6	0	0.0	5	2.6
Yilo Krobo Municipal	1	2.9	1	3.1	2	5.1	18	19.8	31	16.2
Lower Manya krobo Municipal	2	5.7	1	3.1	1	2.6	3	3.3	12	6.3
Asuogyaman	1	2.9	0	0.0	2	5.1	11	12.1	26	13.6
Upper Manya Krobo	0	0.0	0	0.0	1	2.6	2	2.2	9	4.7
Fanteakwa	1	2.9	0	0.0	0	0.0	3	3.3	5	2.6
East Akim Municipal	0	0.0	0	0.0	0	0.0	4	4.4	3	1.6
Kwaebibirem	2	5.7	2	6.3	2	5.1	2	2.2	2	1.0
Akyemansa	3	8.6	2	6.3	3	7.7	7	7.7	3	1.6
Birim North	2	5.7	1	3.1	2	5.1	0	0.0	6	3.1
Atiwa	0	0.0	0	0.0	0	0.0	1	1.1	6	3.1
Kwahu West Municipal	2	5.7	0	0.0	4	10.3	1	1.1	4	2.1
Kwahu South	0	0.0	0	0.0	1	2.6	0	0.0	0	0.0
Kwahu East	0	0.0	0	0.0	1	2.6	1	1.1	2	1.0
Kwahu Afram Plains North	0	0.0	0	0.0	1	2.6	1	1.1	0	0.0
Upper West Akim	0	0.0	1	3.1	0	0.0	8	8.8	7	3.7
Akwapim South	1	2.9	1	3.1	0	0.0	2	2.2	2	1.0
Ayensuano	0	0.0	0	0.0	1	2.6	1	1.1	5	2.6
Denkyembuor	0	0.0	0	0.0	0	0.0	0	0.0	2	1.0
Kwahu Afram Plains South	0	0.0	0	0.0	0	0.0	1	1.1	2	1.0

**Table A5.13: Distribution of persons engaged by establishments in Eastern Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
<b>Eastern Region</b>	<b>255,639</b>	<b>36,380</b>	<b>210,604</b>	<b>8,655</b>	100.0	14.2	82.4	3.4
Birim South	6,308	643	5,436	229	100.0	10.2	86.2	3.6
Birim Municipal	19,069	3,920	14,852	297	100.0	20.6	77.9	1.6
West Akim Municipal	9,406	1,216	8,177	13	100.0	12.9	86.9	0.1
Suhum Municipal	12,384	2,285	10,069	30	100.0	18.5	81.3	0.2
Nsawam Adoagyiri Municipal	14,289	2,156	11,407	726	100.0	15.1	79.8	5.1
Akwapem North	12,588	995	11,497	96	100.0	7.9	91.3	0.8
New Juaben Municipal	32,640	4,011	28,567	62	100.0	12.3	87.5	0.2
Yilo Krobo Municipal	8,986	1,371	7,353	262	100.0	15.3	81.8	2.9
Lower Manya	10,729	1,618	8,223	888	100.0	15.1	76.6	8.3
Asuogyaman	11,854	2,517	8,041	1,296	100.0	21.2	67.8	10.9
Upper Manya	5,491	690	4,760	41	100.0	12.6	86.7	0.7
Fanteakwa	8,736	1,009	7,650	77	100.0	11.5	87.6	0.9
East Akim Municipal	14,479	1,424	13,035	20	100.0	9.8	90.0	0.1
Kwaebibirem	11,992	2,036	7,320	2,636	100.0	17.0	61.0	22.0
Akyem Mansa	7,336	1,392	5,880	64	100.0	19.0	80.2	0.9
Birim North	7,621	1,468	5,874	279	100.0	19.3	77.1	3.7
Atiwa	8,615	791	7,791	33	100.0	9.2	90.4	0.4
Kwahu West Municipal	15,338	2,088	13,063	187	100.0	13.6	85.2	1.2
Kwahu South	6,574	640	5,926	8	100.0	9.7	90.1	0.1
Kwahu East	6,179	417	5,755	7	100.0	6.7	93.1	0.1
Kwahu Afram Plains North	2,502	306	2,178	18	100.0	12.2	87.1	0.7
Upper West Akyem	5,118	843	3,864	411	100.0	16.5	75.5	8.0
Akwapim South	3,645	296	3,301	48	100.0	8.1	90.6	1.3
Ayensuano	4,796	502	4,206	88	100.0	10.5	87.7	1.8
Denkyembuor	4,362	1,376	2,980	6	100.0	31.5	68.3	0.1
Kwahu Afram Plains South	4,602	370	3,399	833	100.0	8.0	73.9	18.1

**Table A5.14: Distribution of persons engaged in the Eastern Region by district, sex and sector of establishment**

Region/District	Both Sexes				Male				Female			
	All Sectors	Industry	Service	Agriculture	All				All Sectors	Industry	Service	Agriculture
					Sectors	Industry	Service	Agriculture				
Eastern Region	255,639	36,380	210,604	8,655	145,598	21,411	117,312	6,875	110,041	14,969	93,292	1,780
Birim South	6,308	643	5,436	229	3,599	376	3,058	165	2,709	267	2,378	64
Birim Municipal	19,069	3,920	14,852	297	11,083	2,397	8,426	260	7,986	1,523	6,426	37
West Akim Municipal	9,406	1,216	8,177	13	5,136	664	4,461	11	4,270	552	3,716	2
Suhum Municipal	12,384	2,285	10,069	30	7,372	1,439	5,905	28	5,012	846	4,164	2
Nsawam Adoagyiri Municipal	14,289	2,156	11,407	726	7,778	1,262	5,937	579	6,511	894	5,470	147
Akwapem North	12,588	995	11,497	96	6,740	549	6,112	79	5,848	446	5,385	17
New Juaben Municipal	32,640	4,011	28,567	62	18,524	2,430	16,047	47	14,116	1,581	12,520	15
Yilo Krobo Municipal	8,986	1,371	7,353	262	5,231	717	4,282	232	3,755	654	3,071	30
Lower Manya	10,729	1,618	8,223	888	6,249	857	4,784	608	4,480	761	3,439	280
Asuogyaman	11,854	2,517	8,041	1,296	7,448	1,910	4,529	1,009	4,406	607	3,512	287
Upper Manya	5,491	690	4,760	41	3,441	485	2,923	33	2,050	205	1,837	8
Fanteakwa	8,736	1,009	7,650	77	5,041	586	4,394	61	3,695	423	3,256	16
East Akim Municipal	14,479	1,424	13,035	20	7,915	771	7,125	19	6,564	653	5,910	1
Kwaebibirem	11,992	2,036	7,320	2,636	7,552	1,086	4,248	2,218	4,440	950	3,072	418
Akyem Mansa	7,336	1,392	5,880	64	4,180	770	3,365	45	3,156	622	2,515	19
Birim North	7,621	1,468	5,874	279	4,192	818	3,153	221	3,429	650	2,721	58
Atiwa	8,615	791	7,791	33	4,816	505	4,288	23	3,799	286	3,503	10
Kwahu West Municipal	15,338	2,088	13,063	187	8,324	1,159	6,985	180	7,014	929	6,078	7
Kwahu South	6,574	640	5,926	8	3,483	309	3,169	5	3,091	331	2,757	3
Kwahu East	6,179	417	5,755	7	3,171	206	2,958	7	3,008	211	2,797	0
Kwahu Afram Plains North	2,502	306	2,178	18	1,337	158	1,165	14	1,165	148	1,013	4
Upper West Akyem	5,118	843	3,864	411	2,889	440	2,161	288	2,229	403	1,703	123
Akwapim South	3,645	296	3,301	48	1,892	155	1,692	45	1,753	141	1,609	3
Ayensuano	4,796	502	4,206	88	2,794	370	2,352	72	2,002	132	1,854	16
Denkyembuor	4,362	1,376	2,980	6	2,503	791	1,709	3	1,859	585	1,271	3
Kwahu Afram Plains South	4,602	370	3,399	833	2,908	201	2,084	623	1,694	169	1,315	210

**Table A5.15: Distribution of persons engaged by establishments in Eastern Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)
<b>Eastern Region</b>	<b>255,639</b>	57.0	43.0	<b>36,380</b>	58.9	41.1	<b>210,604</b>	55.7	44.3	<b>8,655</b>	79.4	20.6
Birim South	6,308	57.1	42.9	643	58.5	41.5	5,436	56.3	43.7	229	72.1	27.9
Birim Municipal	19,069	58.1	41.9	3,920	61.1	38.9	14,852	56.7	43.3	297	87.5	12.5
West Akim Municipal	9,406	54.6	45.4	1,216	54.6	45.4	8,177	54.6	45.4	13	84.6	15.4
Suhum Municipal	12,384	59.5	40.5	2,285	63.0	37.0	10,069	58.6	41.4	30	93.3	6.7
Nsawam Adoagyiri Municipal	14,289	54.4	45.6	2,156	58.5	41.5	11,407	52.0	48.0	726	79.8	20.2
Akwapem North	12,588	53.5	46.5	995	55.2	44.8	11,497	53.2	46.8	96	82.3	17.7
New Juaben Municipal	32,640	56.8	43.2	4,011	60.6	39.4	28,567	56.2	43.8	62	75.8	24.2
Yilo Krobo	8,986	58.2	41.8	1,371	52.3	47.7	7,353	58.2	41.8	262	88.5	11.5
Lower Manya	10,729	58.2	41.8	1,618	53.0	47.0	8,223	58.2	41.8	888	68.5	31.5
Asuogyaman	11,854	62.8	37.2	2,517	75.9	24.1	8,041	56.3	43.7	1,296	77.9	22.1
Upper Manya	5,491	62.7	37.3	690	70.3	29.7	4,760	61.4	38.6	41	80.5	19.5
Fanteakwa	8,736	57.7	42.3	1,009	58.1	41.9	7,650	57.4	42.6	77	79.2	20.8
East Akim Municipal	14,479	54.7	45.3	1,424	54.1	45.9	13,035	54.7	45.3	20	95.0	5.0
Kwaebibirem	11,992	63.0	37.0	2,036	53.3	46.7	7,320	58.0	42.0	2,636	84.1	15.9
Akyem Mansa	7,336	57.0	43.0	1,392	55.3	44.7	5,880	57.2	42.8	64	70.3	29.7
Birim North	7,621	55.0	45.0	1,468	55.7	44.3	5,874	53.7	46.3	279	79.2	20.8
Atiwa	8,615	55.9	44.1	791	63.8	36.2	7,791	55.0	45.0	33	69.7	30.3
Kwahu West Municipal	15,338	54.3	45.7	2,088	55.5	44.5	13,063	53.5	46.5	187	96.3	3.7
Kwahu South	6,574	53.0	47.0	640	48.3	51.7	5,926	53.5	46.5	8	62.5	37.5
Kwahu East	6,179	51.3	48.7	417	49.4	50.6	5,755	51.4	48.6	7	100.0	0.0
Kwahu Afram Plains North	2,502	53.4	46.6	306	51.6	48.4	2,178	53.5	46.5	18	77.8	22.2
Upper West Akyem	5,118	56.4	43.6	843	52.2	47.8	3,864	55.9	44.1	411	70.1	29.9
Akwapim South	3,645	51.9	48.1	296	52.4	47.6	3,301	51.3	48.7	48	93.8	6.3
Ayensuano	4,796	58.3	41.7	502	73.7	26.3	4,206	55.9	44.1	88	81.8	18.2
Denkyembuor	4,362	57.4	42.6	1,376	57.5	42.5	2,980	57.3	42.7	6	50.0	50.0
Kwahu Afram Plains South	4,602	63.2	36.8	370	54.3	45.7	3,399	61.3	38.7	833	74.8	25.2

**Table A5.16: Number of persons engaged by establishment in Eastern Region by district, sex and size**

Region/District	Sex	Size of establishment									
		Total	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Eastern Region</b>	<b>Total</b>	<b>87,158</b>	<b>42,332</b>	<b>23,937</b>	<b>15,723</b>	<b>9,905</b>	<b>5,354</b>	<b>11,619</b>	<b>14,523</b>	<b>18,997</b>	<b>26,091</b>
	<b>Male</b>	<b>41,367</b>	<b>25,898</b>	<b>13,985</b>	<b>9,143</b>	<b>5,801</b>	<b>3,326</b>	<b>7,384</b>	<b>9,593</b>	<b>12,296</b>	<b>16,805</b>
	<b>Female</b>	<b>45,791</b>	<b>16,434</b>	<b>9,952</b>	<b>6,580</b>	<b>4,104</b>	<b>2,028</b>	<b>4,235</b>	<b>4,930</b>	<b>6,701</b>	<b>9,286</b>
Birim South	Total	1,532	772	592	255	258	53	570	758	974	544
	Male	702	475	374	154	131	37	333	305	645	443
	Female	830	297	218	101	127	16	237	453	329	101
Birim Municipal	Total	5,836	3,280	1,837	1,310	753	320	847	1,303	2,355	1,228
	Male	2,909	2,084	1,068	782	454	200	545	800	1,441	800
	Female	2,927	1,196	769	528	299	120	302	503	914	428
West Akim Municipal	Total	3,943	1,833	853	819	303	105	298	562	170	520
	Male	1,948	1,099	481	490	186	53	156	401	120	202
	Female	1,995	734	372	329	117	52	142	161	50	318
Suhum Municipal	Total	4,035	2,270	1,222	563	522	432	441	672	870	1,357
	Male	2,007	1,438	701	331	308	283	282	416	572	1,034
	Female	2,028	832	521	232	214	149	159	256	298	323
Nsawam Adoagyiri Municipal	Total	3,642	2,143	1,103	740	559	400	716	975	552	3,459
	Male	1,673	1,304	689	428	347	262	486	613	308	1,668
	Female	1,969	839	414	312	212	138	230	362	244	1,791
Akwapem North	Total	3,596	1,675	1,182	1,148	460	316	501	871	2,224	615
	Male	1,592	1,002	613	643	194	171	312	482	1,457	274
	Female	2,004	673	569	505	266	145	189	389	767	341
New Juaben Municipal	Total	12,014	4,253	2,291	1,609	1,345	931	1,852	2,309	2,713	3,323
	Male	5,337	2,896	1,380	933	776	566	1,216	1,601	1,755	2,064
	Female	6,677	1,357	911	676	569	365	636	708	958	1,259
Yilo Krobo	Total	3,287	1,808	1,030	749	614	339	320	495	120	224
	Male	1,657	1,121	674	427	391	229	154	330	86	162
	Female	1,630	687	356	322	223	110	166	165	34	62
Lower Manya	Total	3,651	1,544	1,014	775	668	158	295	672	988	964
	Male	1,809	868	662	476	464	103	189	497	596	585
	Female	1,842	676	352	299	204	55	106	175	392	379
Asuogyaman	Total	2,847	1,392	1,153	662	256	214	511	958	994	2,867
	Male	1,376	838	637	350	160	137	316	666	697	2,271
	Female	1,471	554	516	312	96	77	195	292	297	596

**Table A5.16: Number of persons engaged by establishment in Eastern Region by district, sex and size (cont'd)**

	Sex	Size of establishment									
		Total	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Upper Manya	Total	1,892	1,651	631	379	111	54	31	128	364	250
	Male	1,202	1,067	386	265	79	28	28	75	276	35
	Female	690	584	245	114	32	26	3	53	88	215
Fanteakwa	Total	3,493	1,800	993	552	218	106	224	574	776	0
	Male	1,743	1,183	555	316	135	43	196	381	489	0
	Female	1,750	617	438	236	83	63	28	193	287	0
East Akim Municipal	Total	5,110	1,901	1,086	659	425	268	652	522	891	2,965
	Male	2,032	996	568	375	237	178	412	376	513	2,228
	Female	3,078	905	518	284	188	90	240	146	378	737
Kwaebibirem	Total	3,164	1,857	1,236	597	451	234	616	433	689	2,715
	Male	1,622	1,191	688	323	242	125	382	320	486	2,173
	Female	1,542	666	548	274	209	109	234	113	203	542
Akyem Mansa	Total	2,859	1,471	823	609	235	77	652	203	167	240
	Male	1,414	926	538	372	123	42	379	182	114	90
	Female	1,445	545	285	237	112	35	273	21	53	150
Birim North	Total	2,754	1,432	720	608	536	129	139	311	710	282
	Male	1,338	856	422	368	312	87	86	178	357	188
	Female	1,416	576	298	240	224	42	53	133	353	94
Atiwa	Total	3,669	1,725	1,057	689	193	238	215	414	415	0
	Male	1,673	1,060	636	433	122	151	164	319	258	0
	Female	1,996	665	421	256	71	87	51	95	157	0
Kwahu West Municipal	Total	5,775	2,548	1,575	989	742	397	1,325	772	905	310
	Male	2,668	1,436	840	562	403	273	853	552	623	114
	Female	3,107	1,112	735	427	339	124	472	220	282	196
Kwahu South	Total	2,459	1,251	738	404	259	185	278	239	392	369
	Male	1,022	690	404	217	180	110	176	192	308	184
	Female	1,437	561	334	187	79	75	102	47	84	185
Kwahu East	Total	2,441	891	389	243	103	80	122	454	669	787
	Male	1,091	442	212	123	62	56	77	321	477	310
	Female	1,350	449	177	120	41	24	45	133	192	477
Kwahu Afram Plains North	Total	733	325	188	82	107	78	147	161	0	681
	Male	363	176	130	57	77	59	108	125	0	242
	Female	370	149	58	25	30	19	39	36	0	439

**Table A5.17: Distribution of persons engaged by establishments in the Eastern Region by district, status of engagement and LMSM**

Region/District	Total					Permanent					Temporary				
	All	Large	Medium	Small	Micro	All	Large	Medium	Small	Micro	All	Large	Medium	Small	Micro
	persons					persons					persons				
Eastern Region	255,639	44,088	25,222	87,531	98,798	205,675	34,633	21,925	72,175	76,942	49,964	9,455	3,297	15,356	21,856
Birim South	6,308	1,318	1,468	1,810	1,712	5,036	1,021	1,225	1,468	1,322	1,272	297	243	342	390
Birim Municipal	19,069	3,283	2,330	6,655	6,801	15,412	2,842	1,599	5,443	5,528	3,657	441	731	1,212	1,273
West Akim Municipal	9,406	690	770	3,468	4,478	7,421	581	690	2,824	3,326	1,985	109	80	644	1,152
Suhum Municipal	12,384	2,127	1,093	4,529	4,635	9,692	1,200	925	3,821	3,746	2,692	927	168	708	889
Nsawam Adoagyiri Municipal	14,289	4,011	1,511	4,435	4,332	10,327	2,086	1,294	3,528	3,419	3,962	1,925	217	907	913
Akwapem North	12,588	2,639	1,482	4,446	4,021	10,942	2,500	1,389	3,807	3,246	1,646	139	93	639	775
New Juaben Municipal	32,640	6,036	3,801	9,424	13,379	27,393	5,667	3,603	7,672	10,451	5,247	369	198	1,752	2,928
Yilo Krobo Municipal	8,986	344	815	4,050	3,777	7,210	314	713	3,308	2,875	1,776	30	102	742	902
Lower Manya	10,729	1,952	937	3,809	4,031	8,638	1,722	874	2,974	3,068	2,091	230	63	835	963
Asuogyaman	11,854	3,861	1,409	3,367	3,217	9,871	3,403	1,187	2,848	2,433	1,983	458	222	519	784
Upper Manya	5,491	614	159	2,441	2,277	4,889	594	159	2,165	1,971	602	20	0	276	306
Fanteakwa	8,736	776	708	3,279	3,973	7,237	734	669	2,752	3,082	1,499	42	39	527	891
East Akim Municipal	14,479	3,856	1,114	3,839	5,670	12,170	3,821	988	3,145	4,216	2,309	35	126	694	1,454
Kwaebibirem	11,992	3,404	929	4,090	3,569	7,884	990	828	3,273	2,793	4,108	2,414	101	817	776
Akyem Mansa	7,336	407	765	2,960	3,204	5,417	12	496	2,509	2,400	1,919	395	269	451	804
Birim North	7,621	992	450	2,985	3,194	5,894	897	319	2,256	2,422	1,727	95	131	729	772
Atiwa	8,615	415	509	3,552	4,139	7,064	370	501	3,068	3,125	1,551	45	8	484	1,014
Kwahu West Municipal	15,338	1,215	1,917	5,791	6,415	12,675	1,010	1,708	4,915	5,042	2,663	205	209	876	1,373
Kwahu South	6,574	661	587	2,547	2,779	5,267	546	563	2,070	2,088	1,307	115	24	477	691
Kwahu East	6,179	1,456	576	1,431	2,716	5,404	1,422	569	1,209	2,204	775	34	7	222	512
Kwahu Afram Plains North	2,502	681	308	685	828	2,160	650	255	586	669	342	31	53	99	159
Upper West Akyem	5,118	702	74	2,038	2,304	4,100	510	66	1,637	1,887	1,018	192	8	401	417
Akwapim South	3,645	607	248	1,329	1,461	2,936	500	242	1,128	1,066	709	107	6	201	395
Ayensuano	4,796	0	366	2,055	2,375	3,956	0	257	1,763	1,936	840	0	109	292	439
Denkyembuor	4,362	1,235	656	1,053	1,418	3,617	1,235	568	793	1,021	745	0	88	260	397
Kwahu Afram Plains South	4,602	806	240	1,463	2,093	3,063	6	238	1,213	1,606	1,539	800	2	250	487



**Table A5.18: Distribution of persons engaged in Eastern Region by district and LSM establishments**

Region/District	Number of Persons engaged					Percentage distribution by size				
	All Establishments	Large	Medium	Small	Micro	All Establishments	Large	Medium	Small	Micro
<b>Eastern Region</b>	<b>255,639</b>	<b>44,088</b>	<b>25,222</b>	<b>87,531</b>	<b>98,798</b>	<b>100.0</b>	<b>17.2</b>	<b>9.9</b>	<b>34.2</b>	<b>38.6</b>
Birim South	6,308	1,318	1,468	1,810	1,712	100.0	20.9	23.3	28.7	27.1
Birim Municipal	19,069	3,283	2,330	6,655	6,801	100.0	17.2	12.2	34.9	35.7
West Akim Municipal	9,406	690	770	3,468	4,478	100.0	7.3	8.2	36.9	47.6
Suhum Municipal	12,384	2,127	1,093	4,529	4,635	100.0	17.2	8.8	36.6	37.4
Nsawam Adoagyiri Municipal	14,289	4,011	1,511	4,435	4,332	100.0	28.1	10.6	31.0	30.3
Akwapem North	12,588	2,639	1,482	4,446	4,021	100.0	21.0	11.8	35.3	31.9
New Juaben Municipal	32,640	6,036	3,801	9,424	13,379	100.0	18.5	11.6	28.9	41.0
Yilo Krobo Municipal	8,986	344	815	4,050	3,777	100.0	3.8	9.1	45.1	42.0
Lower Manya	10,729	1,952	937	3,809	4,031	100.0	18.2	8.7	35.5	37.6
Asuogyaman	11,854	3,861	1,409	3,367	3,217	100.0	32.6	11.9	28.4	27.1
Upper Manya	5,491	614	159	2,441	2,277	100.0	11.2	2.9	44.5	41.5
Fanteakwa	8,736	776	708	3,279	3,973	100.0	8.9	8.1	37.5	45.5
East Akim Municipal	14,479	3,856	1,114	3,839	5,670	100.0	26.6	7.7	26.5	39.2
Kwaebibirem	11,992	3,404	929	4,090	3,569	100.0	28.4	7.7	34.1	29.8
Akyem Mansa	7,336	407	765	2,960	3,204	100.0	5.5	10.4	40.3	43.7
Birim North	7,621	992	450	2,985	3,194	100.0	13.0	5.9	39.2	41.9
Atiwa	8,615	415	509	3,552	4,139	100.0	4.8	5.9	41.2	48.0
Kwahu West Municipal	15,338	1,215	1,917	5,791	6,415	100.0	7.9	12.5	37.8	41.8
Kwahu South	6,574	661	587	2,547	2,779	100.0	10.1	8.9	38.7	42.3
Kwahu East	6,179	1,456	576	1,431	2,716	100.0	23.6	9.3	23.2	44.0
Kwahu Afram Plains North	2,502	681	308	685	828	100.0	27.2	12.3	27.4	33.1
Upper West Akyem	5,118	702	74	2,038	2,304	100.0	13.7	1.4	39.8	45.0
Akwapim South	3,645	607	248	1,329	1,461	100.0	16.7	6.8	36.5	40.1
Ayensuano	4,796	0	366	2,055	2,375	100.0	0.0	7.6	42.8	49.5
Denkyembuor	4,362	1,235	656	1,053	1,418	100.0	28.3	15.0	24.1	32.5
Kwahu Afram Plains South	4,602	806	240	1,463	2,093	100.0	17.5	5.2	31.8	45.5

**Table A5.19: Distribution of persons engaged in Eastern Region by district and LSM establishments**

Region/District	All persons			Large			Medium			Small			Micro		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
Eastern Region	255,639	80.5	19.5	44,088	78.6	21.4	25,222	86.9	13.1	87,531	82.5	17.5	98,798	77.9	22.1
Birim South	6,308	79.8	20.2	1,318	77.5	22.5	1,468	83.4	16.6	1,810	81.1	18.9	1,712	77.2	22.8
Birim Municipal	19,069	80.8	19.2	3,283	86.6	13.4	2,330	68.6	31.4	6,655	81.8	18.2	6,801	81.3	18.7
West Akim Municipal	9,406	78.9	21.1	690	84.2	15.8	770	89.6	10.4	3,468	81.4	18.6	4,478	74.3	25.7
Suhum Municipal	12,384	78.3	21.7	2,127	56.4	43.6	1,093	84.6	15.4	4,529	84.4	15.6	4,635	80.8	19.2
Nsawam Adoagyiri Municipal	14,289	72.3	27.7	4,011	52.0	48.0	1,511	85.6	14.4	4,435	79.5	20.5	4,332	78.9	21.1
Akwapem North	12,588	86.9	13.1	2,639	94.7	5.3	1,482	93.7	6.3	4,446	85.6	14.4	4,021	80.7	19.3
New Juaben Municipal	32,640	83.9	16.1	6,036	93.9	6.1	3,801	94.8	5.2	9,424	81.4	18.6	13,379	78.1	21.9
Yilo Krobo Municipal	8,986	80.2	19.8	344	91.3	8.7	815	87.5	12.5	4,050	81.7	18.3	3,777	76.1	23.9
Lower Manya	10,729	80.5	19.5	1,952	88.2	11.8	937	93.3	6.7	3,809	78.1	21.9	4,031	76.1	23.9
Asuogyaman	11,854	83.3	16.7	3,861	88.1	11.9	1,409	84.2	15.8	3,367	84.6	15.4	3,217	75.6	24.4
Upper Manya	5,491	89.0	11.0	614	96.7	3.3	159	100.0	0.0	2,441	88.7	11.3	2,277	86.6	13.4
Fanteakwa	8,736	82.8	17.2	776	94.6	5.4	708	94.5	5.5	3,279	83.9	16.1	3,973	77.6	22.4
East Akim Municipal	14,479	84.1	15.9	3,856	99.1	0.9	1,114	88.7	11.3	3,839	81.9	18.1	5,670	74.4	25.6
Kwaebibirem	11,992	65.7	34.3	3,404	29.1	70.9	929	89.1	10.9	4,090	80.0	20.0	3,569	78.3	21.7
Akyem Mansa	7,336	73.8	26.2	407	2.9	97.1	765	64.8	35.2	2,960	84.8	15.2	3,204	74.9	25.1
Birim North	7,621	77.3	22.7	992	90.4	9.6	450	70.9	29.1	2,985	75.6	24.4	3,194	75.8	24.2
Atiwa	8,615	82.0	18.0	415	89.2	10.8	509	98.4	1.6	3,552	86.4	13.6	4,139	75.5	24.5
Kwahu West Municipal	15,338	82.6	17.4	1,215	83.1	16.9	1,917	89.1	10.9	5,791	84.9	15.1	6,415	78.6	21.4
Kwahu South	6,574	80.1	19.9	661	82.6	17.4	587	95.9	4.1	2,547	81.3	18.7	2,779	75.1	24.9
Kwahu East	6,179	87.5	12.5	1,456	97.7	2.3	576	98.8	1.2	1,431	84.5	15.5	2,716	81.1	18.9
Kwahu Afram Plains North	2,502	86.3	13.7	681	95.4	4.6	308	82.8	17.2	685	85.5	14.5	828	80.8	19.2
Upper West Akyem	5,118	80.1	19.9	702	72.6	27.4	74	89.2	10.8	2,038	80.3	19.7	2,304	81.9	18.1
Akwapim South	3,645	80.5	19.5	607	82.4	17.6	248	97.6	2.4	1,329	84.9	15.1	1,461	73.0	27.0
Ayensuano	4,796	82.5	17.5	0	0.0	0.0	366	70.2	29.8	2,055	85.8	14.2	2,375	81.5	18.5
Denkyembuor	4,362	82.9	17.1	1,235	100.0	0.0	656	86.6	13.4	1,053	75.3	24.7	1,418	72.0	28.0
Kwahu Afram Plains South	4,602	66.6	33.4	806	0.7	99.3	240	99.2	0.8	1,463	82.9	17.1	2,093	76.7	23.3

**Table A5.20: Distribution of persons engaged in establishments in Eastern Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											
		Overall	Sole Proprietorship	Partnership	Private Limited Company by Gurantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs.)	Quasi Government	Parastatal Government	Non Governmental Organization (NGO)	Cooperative	Association/ Groups
<b>Eastern Region</b>	255,639	100.0	48.4	8.2	8.2	1.5	1.5	16.7	2.0	0.7	10.1	0.6	2.1
Birim South	6,308	100.0	36.3	7.9	3.0	4.3	0.5	22.6	0.0	0.0	5.0	0.7	19.7
Birim Municipal	19,069	100.0	51.2	13.1	9.1	1.5	1.4	10.3	1.9	0.1	7.9	0.1	3.4
West Akim Municipal	9,406	100.0	54.4	8.2	1.2	1.4	1.1	14.8	2.9	1.5	14.1	0.1	0.2
Suhum Municipal	12,384	100.0	47.3	9.1	5.1	0.9	0.1	15.0	0.1	0.0	14.8	0.3	7.4
Nsawam Adoagyiri Municipal	14,289	100.0	40.6	7.8	27.2	2.7	4.7	7.1	0.0	0.0	7.8	0.2	1.8
Akwapim North	12,588	100.0	36.6	6.3	4.9	1.3	1.2	34.2	1.1	0.2	12.6	0.6	1.2
New Juaben Municipal	32,640	100.0	52.6	10.4	6.1	1.2	0.8	16.5	5.7	1.4	4.5	0.2	0.7
Yilo Krobo Municipal	8,986	100.0	48.1	9.9	4.0	1.3	1.3	19.5	0.1	0.1	14.5	0.6	0.6
Lower Manya krobo Municipal	10,729	100.0	52.2	7.1	11.1	1.1	0.8	19.4	0.2	0.1	6.1	1.3	0.6
Asuogyaman	11,854	100.0	40.5	7.2	18.0	2.5	3.2	15.0	1.1	5.1	6.8	0.4	0.3
Upper Manya Krobo	5,491	100.0	31.2	5.5	3.0	0.1	1.2	23.2	5.5	0.5	27.5	0.2	2.2
Fanteakwa	8,736	100.0	43.4	8.2	1.6	1.1	1.9	21.8	3.6	0.1	17.4	0.2	0.7
East Akim Municipal	14,479	100.0	59.8	8.4	2.4	1.9	1.8	18.4	1.7	1.1	3.6	0.0	1.0
Kwaebibirem	11,992	100.0	43.0	4.9	26.6	0.4	1.0	9.2	2.0	0.2	12.3	0.3	0.3
Akyemansa	7,336	100.0	45.3	6.2	6.7	1.8	3.0	13.3	1.8	0.7	21.0	0.0	0.2
Birim North	7,621	100.0	50.1	10.0	4.9	1.3	0.6	13.1	5.4	0.9	13.0	0.6	0.2
Atiwa	8,615	100.0	48.8	7.5	4.6	3.8	0.3	13.7	0.9	2.7	13.5	0.2	3.9
Kwahu West Municipal	15,338	100.0	65.3	6.1	5.2	0.4	2.1	11.4	0.9	0.3	4.7	0.1	3.5
Kwahu South	6,574	100.0	48.4	7.3	1.4	0.3	0.4	28.4	0.4	0.0	11.4	0.0	2.1
Kwahu East	6,179	100.0	38.2	8.7	13.4	0.4	0.4	29.5	0.0	0.1	8.1	0.1	1.1
Kwahu Afram Plains North	2,502	100.0	36.9	4.2	1.6	0.3	10.4	30.7	3.3	1.0	11.0	0.0	0.7
Upper West Akim	5,118	100.0	43.4	6.2	10.5	1.4	5.0	12.7	4.5	0.2	15.1	0.1	0.9
Akwapim South	3,645	100.0	62.9	7.3	1.4	1.2	0.7	19.9	1.8	0.0	2.0	0.1	2.8
Ayensuano	4,796	100.0	49.6	6.3	4.2	4.6	0.0	13.3	0.7	0.1	21.1	0.2	0.0
Denkyembuur	4,362	100.0	55.0	7.5	10.7	0.7	0.6	20.2	0.0	0.0	4.1	0.2	1.1
Kwahu Afram Plains South	4,602	100.0	40.8	8.1	1.2	0.4	0.1	11.8	0.0	0.0	18.7	18.1	0.7

**Table A6.1: Distribution of establishments by sector and districts, Ashanti Region**

Region and District	Industry		Service		Agriculture		All Sectors		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Industry	Services	Agriculture	All sectors
<b>Ashanti Region</b>	<b>20,752</b>	<b>100.0</b>	<b>102,219</b>	<b>100.0</b>	<b>673</b>	<b>100.0</b>	<b>123,644</b>	<b>100.0</b>	<b>16.8</b>	<b>82.7</b>	<b>0.5</b>	<b>100.0</b>
Atwima Mponua	63	0.3	608	0.6	1	0.1	672	0.5	9.4	90.5	0.1	100.0
Amansie West	280	1.3	3,079	3.0	25	3.7	3,384	2.7	8.3	91.0	0.7	100.0
Amansie Central	128	0.6	1,468	1.4	5	0.7	1,601	1.3	8.0	91.7	0.3	100.0
Adansi South	128	0.6	590	0.6	6	0.9	724	0.6	17.7	81.5	0.8	100.0
Obuasi Municipal	1,208	5.8	5,335	5.2	17	2.5	6,560	5.3	18.4	81.3	0.3	100.0
Adansi North	272	1.3	1,560	1.5	12	1.8	1,844	1.5	14.8	84.6	0.7	100.0
Bekwai Municipal	424	2.0	3,075	3.0	19	2.8	3,518	2.8	12.1	87.4	0.5	100.0
Bosome Freho	156	0.8	1,012	1.0	19	2.8	1,187	1.0	13.1	85.3	1.6	100.0
Asante Akim South	309	1.5	1,920	1.9	6	0.9	2,235	1.8	13.8	85.9	0.3	100.0
Asante Akim Central Municipal	400	1.9	1,837	1.8	6	0.9	2,243	1.8	17.8	81.9	0.3	100.0
Ejisu Juaben Municipal	600	2.9	3,259	3.2	33	4.9	3,892	3.1	15.4	83.7	0.8	100.0
Bosumtwi	339	1.6	2,116	2.1	39	5.8	2,494	2.0	13.6	84.8	1.6	100.0
Atwima Kwanwoma	387	1.9	2,019	2.0	10	1.5	2,416	2.0	16.0	83.6	0.4	100.0
Kumasi Metropolis	9,676	46.6	45,365	44.4	89	13.2	55,130	44.6	17.6	82.3	0.2	100.0
Atwima Nwabiagya	737	3.6	3,818	3.7	69	10.3	4,624	3.7	15.9	82.6	1.5	100.0
Ahafo Ano South	321	1.5	2,016	2.0	49	7.3	2,386	1.9	13.5	84.5	2.1	100.0
Ahafo Ano North	156	0.8	663	0.6	8	1.2	827	0.7	18.9	80.2	1.0	100.0
Offinso Municipal	261	1.3	1,260	1.2	13	1.9	1,534	1.2	17.0	82.1	0.8	100.0
Afigya Kwabre	611	2.9	3,336	3.3	22	3.3	3,969	3.2	15.4	84.1	0.6	100.0
Kwabre East	1,020	4.9	3,304	3.2	22	3.3	4,346	3.5	23.5	76.0	0.5	100.0
Sekyere South	376	1.8	1,943	1.9	70	10.4	2,389	1.9	15.7	81.3	2.9	100.0
Mampong Municipal	314	1.5	1,822	1.8	26	3.9	2,162	1.7	14.5	84.3	1.2	100.0
Sekyere East	241	1.2	1,182	1.2	21	3.1	1,444	1.2	16.7	81.9	1.5	100.0
Sekyere Kumewu	99	0.5	266	0.3	1	0.1	366	0.3	27.0	72.7	0.3	100.0
Sekyere Central	180	0.9	1,058	1.0	12	1.8	1,250	1.0	14.4	84.6	1.0	100.0
Ejura Sekye Dumasi	410	2.0	1,657	1.6	10	1.5	2,077	1.7	19.7	79.8	0.5	100.0
Offinso North	222	1.1	1,176	1.2	32	4.8	1,430	1.2	15.5	82.2	2.2	100.0
Asokore Mampong Municipal	1,185	5.7	3,978	3.9	14	2.1	5,177	4.2	22.9	76.8	0.3	100.0
Asante Akim North	135	0.7	822	0.8	4	0.6	961	0.8	14.0	85.5	0.4	100.0
Sekyere Afram Plains North	114	0.5	675	0.7	13	1.9	802	0.6	14.2	84.2	1.6	100.0

**Table A6.2: Distribution of industry subsector establishments in Ashanti Region by district**

Region/District	Industry Total		Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Ashanti Region</b>	20,752	100.0	19,483	100.0	69	100.0	84	100.0	231	100.0	885	100.0
Atwima Mponua	63	0.3	51	0.3	-	0.0	-	0.0	2	0.9	10	1.1
Amansie West	280	1.3	268	1.4	5	7.2	1	1.2	1	0.4	5	0.6
Amansie Central	128	0.6	117	0.6	4	5.8	-	0.0	1	0.4	6	0.7
Adansi South	128	0.6	119	0.6	-	0.0	-	0.0	-	0.0	9	1.0
Obuasi Municipal	1,208	5.8	1,102	5.7	17	24.6	5	6.0	6	2.6	78	8.8
Adansi North	272	1.3	259	1.3	-	0.0	-	0.0	8	3.5	5	0.6
Bekwai Municipal	424	2.0	404	2.1	3	4.3	3	3.6	4	1.7	10	1.1
Bosome Freho	156	0.8	123	0.6	3	4.3	-	0.0	27	11.7	3	0.3
Asante Akim South	309	1.5	296	1.5	-	0.0	1	1.2	7	3.0	5	0.6
Asante Akim Central Municipal	400	1.9	371	1.9	6	8.7	2	2.4	3	1.3	18	2.0
Ejisu Juaben Municipal	600	2.9	575	3.0	-	0.0	-	0.0	11	4.8	14	1.6
Bosomtwi	339	1.6	321	1.6	-	0.0	2	2.4	7	3.0	9	1.0
Atwima Kwanwoma	387	1.9	372	1.9	1	1.4	1	1.2	1	0.4	12	1.4
Kumasi Metropolis	9,676	46.6	8,912	45.7	20	29.0	48	57.1	89	38.5	607	68.6
Atwima Nwabiagya	737	3.6	718	3.7	3	4.3	-	0.0	4	1.7	12	1.4
Ahafo Ano South	321	1.5	299	1.5	-	0.0	-	0.0	15	6.5	7	0.8
Ahafo Ano North	156	0.8	149	0.8	1	1.4	-	0.0	1	0.4	5	0.6
Offinso Municipal	261	1.3	244	1.3	-	0.0	2	2.4	10	4.3	5	0.6
Afigya Kwabre	611	2.9	594	3.0	3	4.3	2	2.4	3	1.3	9	1.0
Kwabre East	1,020	4.9	1,001	5.1	1	1.4	4	4.8	2	0.9	12	1.4
Sekyere South	376	1.8	360	1.8	-	0.0	3	3.6	4	1.7	9	1.0
Mampong Municipal	314	1.5	300	1.5	-	0.0	1	1.2	5	2.2	8	0.9
Sekyere East	241	1.2	231	1.2	1	1.4	4	4.8	3	1.3	2	0.2
Sekyere Kumewu	99	0.5	99	0.5	-	0.0	-	0.0	-	0.0	-	0.0
Sekyere Central	180	0.9	174	0.9	-	0.0	1	1.2	1	0.4	4	0.5
Ejura Sekye Dumasi	410	2.0	405	2.1	-	0.0	1	1.2	3	1.3	1	0.1
Offinso North	222	1.1	212	1.1	-	0.0	-	0.0	3	1.3	7	0.8
Asokore Mampong Municipal	1,185	5.7	1,166	6.0	1	1.4	1	1.2	9	3.9	8	0.9
Asante Akim North	135	0.7	131	0.7	-	0.0	1	1.2	-	0.0	3	0.3
Sekyere Afram Plains North	114	0.5	110	0.6	-	0.0	1	1.2	1	0.4	2	0.2

**Table A6.3: Distribution of services subsector establishments in Ashanti Region by district**

Region/District	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Professional, Scientific and Technical	Administrative and support Service Activity	Administration and Defence	Education	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services Household Employers	Extraterritorial Organisations	Services Total	
<b>Ashanti Region</b>	59,330	245	9,601	858	1,081	39	1,131	982	543	4,808	990	2,003	20,606	-	2	102,219
Atwima Mponua	286	1	74	10	4	-	3	-	2	45	6	13	164	0	0	608
Amansie West	1,679	3	396	36	22	-	13	8	14	193	27	71	617	0	0	3,079
Amansie Central	778	1	151	13	1	-	1	9	14	119	12	40	329	0	0	1,468
Adansi South	328	1	38	3	8	-	3	7	15	45	8	7	127	0	0	590
Obuasi Municipal	3,163	9	427	40	73	2	49	51	41	195	50	126	1,109	0	0	5,335
Adansi North	776	2	147	19	8	-	5	13	18	139	10	5	418	0	0	1,560
Bekwai Municipal	1,725	12	318	29	20	-	21	33	29	188	24	90	586	0	0	3,075
Bosome Freho	452	1	114	19	4	-	-	6	5	99	13	32	267	0	0	1,012
Asante Akim South	916	3	241	8	10	-	6	15	18	182	23	44	454	0	0	1,920
Asante Akim Central Municipal	940	5	201	16	14	-	19	12	26	114	19	67	404	0	0	1,837
Ejisu Juaben Municipal	1,780	8	347	28	31	3	22	24	16	212	32	44	712	0	0	3,259
Bosumtwi	1,061	3	269	17	15	-	16	20	10	131	22	66	486	0	0	2,116
Atwima Kwanwoma	1,130	1	247	12	11	1	26	3	2	99	22	37	428	0	0	2,019
Kumasi Metropolis	28,734	130	3,624	387	617	29	744	511	122	1,220	447	971	7,827	0	2	45,365
Atwima Nwabiagya	2,187	6	325	24	24	1	36	38	19	206	29	40	883	0	0	3,818
Ahafo Ano South	932	1	292	16	12	-	11	9	23	163	22	57	478	0	0	2,016
Ahafo Ano North	347	1	75	5	7	-	8	11	19	43	14	1	132	0	0	663
Offinso Municipal	705	1	137	11	10	-	8	16	7	64	14	3	284	0	0	1,260
Afigya Kwabre	1,810	-	376	25	16	-	14	24	6	218	27	58	762	0	0	3,336
Kwabre East	1,860	5	321	27	21	1	28	43	13	164	33	57	731	0	0	3,304
Sekyere South	1,050	7	242	8	21	-	5	27	14	125	11	31	402	0	0	1,943
Mampong Municipal	915	4	176	11	18	-	28	25	24	137	27	23	434	0	0	1,822
Sekyere East	617	3	115	13	13	-	9	8	12	94	11	2	285	0	0	1,182
Sekyere Kumewu	114	-	31	3	1	-	-	-	4	41	3	2	67	0	0	266
Sekyere Central	406	2	150	11	11	-	6	8	17	109	17	9	312	0	0	1,058
Ejura Sekye Dumasi	857	6	155	12	19	-	10	9	20	132	16	7	414	0	0	1,657
Offinso North	560	6	192	6	10	-	2	6	14	94	10	7	269	0	0	1,176
Asokore Mampong Municipal	2,446	22	273	39	50	2	33	38	10	114	27	74	850	0	0	3,978
Asante Akim North	458	1	96	3	3	-	3	5	4	57	4	3	185	0	0	822
Sekyere Afram Plains North	318	-	51	7	7	-	2	3	5	66	10	16	190	0	0	675

**Table A6.4: Distribution of agriculture subsector establishments in Ashanti Region by district**

Region/District	Agriculture Total		Crops		Livestock		Forestry		Fishing	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Ashanti Region</b>	<b>673</b>	100	<b>156</b>	100.0	<b>469</b>	100.0	<b>37</b>	100.0	<b>11</b>	100.0
Atwima Mponua	1	0.1	0	0.0	0	0.0	1	2.7	0	0.0
Amansie West	25	3.7	22	14.1	2	0.4	0	0.0	1	9.1
Amansie Central	5	0.7	0	0.0	4	0.9	1	2.7	0	0.0
Adansi South	6	0.9	2	1.3	4	0.9	0	0.0	0	0.0
Obuasi Municipal	17	2.5	7	4.5	9	1.9	1	2.7	0	0.0
Adansi North	12	1.8	3	1.9	7	1.5	1	2.7	1	9.1
Bekwai Municipal	19	2.8	6	3.8	12	2.6	0	0.0	1	9.1
Bosome Freho	19	2.8	19	12.2	0	0.0	0	0.0	0	0.0
Asante Akim South	6	0.9	2	1.3	2	0.4	2	5.4	0	0.0
Asante Akim Central Municipal	6	0.9	3	1.9	3	0.6	0	0.0	0	0.0
Ejisu Juaben Municipal	33	4.9	6	3.8	25	5.3	2	5.4	0	0.0
Bosumtwi	39	5.8	6	3.8	31	6.6	1	2.7	1	9.1
Atwima Kwanwoma	10	1.5	0	0.0	10	2.1	0	0.0	0	0.0
Kumasi Metropolis	89	13.2	37	23.7	40	8.5	11	29.7	1	9.1
Atwima Nwabiagya	69	10.3	2	1.3	65	13.9	2	5.4	0	0.0
Ahafo Ano South	49	7.3	13	8.3	32	6.8	0	0.0	4	36.4
Ahafo Ano North	8	1.2	5	3.2	1	0.2	2	5.4	0	0.0
Offinso Municipal	13	1.9	4	2.6	7	1.5	2	5.4	0	0.0
Afigya Kwabre	22	3.3	1	0.6	21	4.5	0	0.0	0	0.0
Kwabre East	22	3.3	1	0.6	21	4.5	0	0.0	0	0.0
Sekyere South	70	10.4	1	0.6	68	14.5	0	0.0	1	9.1
Mampong Municipal	26	3.9	2	1.3	23	4.9	1	2.7	0	0.0
Sekyere East	21	3.1	0	0.0	20	4.3	0	0.0	1	9.1
Sekyere Kumewu	1	0.1	0	0.0	0	0.0	1	2.7	0	0.0
Sekyere Central	12	1.8	0	0.0	8	1.7	4	10.8	0	0.0
Ejura Sekye Dumasi	10	1.5	5	3.2	5	1.1	0	0.0	0	0.0
Offinso North	32	4.8	2	1.3	26	5.5	4	10.8	0	0.0
Asokore Mampong Municipal	14	2.1	3	1.9	11	2.3	0	0.0	0	0.0
Asante Akim North	4	0.6	2	1.3	2	0.4	0	0.0	0	0.0
Sekyere Afram Plains North	13	1.9	2	1.3	10	2.1	1	2.7	0	0.0

**Table A6.5: Number of establishments in Ashanti Region by district and LMSM**

Region/District	Total		Large		Medium		Small		Micro	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Ashanti Region</b>	<b>123,644</b>	100.0	<b>315</b>	100.0	<b>1,240</b>	100.0	<b>16,105</b>	100.0	<b>105,984</b>	100.0
Atwima Mponua	672	0.5	0	0.0	3	0.2	90	0.6	579	0.5
Amansie West	3,384	2.7	4	1.3	24	1.9	459	2.9	2,897	2.7
Amansie Central	1,601	1.3	1	0.3	14	1.1	260	1.6	1,326	1.3
Adansi South	724	0.6	2	0.6	5	0.4	112	0.7	605	0.6
Obuasi Municipal	6,560	5.3	19	6.0	78	6.3	737	4.6	5,726	5.4
Adansi North	1,844	1.5	5	1.6	25	2.0	355	2.2	1,459	1.4
Bekwai Municipal	3,518	2.8	8	2.5	25	2.0	482	3.0	3,003	2.8
Bosome Freho	1,187	1.0	1	0.3	10	0.8	247	1.5	929	0.9
Asante Akim South	2,235	1.8	3	1.0	14	1.1	403	2.5	1,815	1.7
Asante Akim Central Municipal	2,243	1.8	6	1.9	20	1.6	325	2.0	1,892	1.8
Ejisu Juaben Municipal	3,892	3.1	13	4.1	40	3.2	585	3.6	3,254	3.1
Bosumtwi	2,494	2.0	7	2.2	31	2.5	374	2.3	2,082	2.0
Atwima Kwanwoma	2,416	2.0	2	0.6	12	1.0	241	1.5	2,161	2.0
Kumasi Metropolis	55,130	44.6	145	46.0	657	53.0	6,259	38.9	48,069	45.4
Atwima Nwabiagya	4,624	3.7	14	4.4	36	2.9	584	3.6	3,990	3.8
Ahafo Ano South	2,386	1.9	4	1.3	25	2.0	392	2.4	1,965	1.9
Ahafo Ano North	827	0.7	5	1.6	13	1.0	128	0.8	681	0.6
Offinso Municipal	1,534	1.2	6	1.9	16	1.3	233	1.4	1,279	1.2
Afigya Kwabre	3,969	3.2	3	1.0	21	1.7	482	3.0	3,463	3.3
Kwabre East	4,346	3.5	15	4.8	23	1.9	481	3.0	3,827	3.6
Afigya Sekyere	2,389	1.9	9	2.9	16	1.3	330	2.0	2,034	1.9
Mampong Municipal	2,162	1.7	10	3.2	28	2.3	382	2.4	1,742	1.6
Sekyere East	1,444	1.2	5	1.6	18	1.5	239	1.5	1,182	1.1
Sekyere Afram Plains	366	0.3	0	0.0	0	0.0	57	0.4	309	0.3
Sekyere Central	1,250	1.0	2	0.6	8	0.6	266	1.7	974	0.9
Ejura Sekye Dumasi	2,077	1.7	8	2.5	17	1.4	387	2.4	1,665	1.6
Offinso North	1,430	1.2	4	1.3	7	0.6	253	1.6	1,166	1.1
Asokore Mampong Municipal	5,177	4.2	11	3.5	40	3.2	687	4.3	4,439	4.2
Asante Akim North	961	0.8	1	0.3	6	0.5	117	0.7	837	0.8
Sekyere Afram Plains North	802	0.6	2	0.6	8	0.6	158	1.0	634	0.6



**Table A6.6: Distribution of establishments in Ashanti Region by district and size**

Region/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Ashanti</b>	<b>123,644</b>	<b>101,041</b>	<b>13,475</b>	<b>3,983</b>	<b>1,856</b>	<b>1,038</b>	<b>549</b>	<b>862</b>	<b>508</b>	<b>215</b>	<b>117</b>
Atwima Mponua	672	559	66	24	12	5	3	2	1	0	0
Amansie West	3,384	2,759	429	114	33	12	5	16	12	2	2
Amansie Central	1,601	1,256	231	68	16	9	5	5	9	1	1
Adansi South	724	582	88	27	8	5	7	3	2	1	1
Obuasi Municipal	6,560	5,503	611	153	76	72	41	57	28	15	4
Adansi North	1,844	1,386	228	121	43	25	9	15	11	6	0
Bekwai Municipal	3,518	2,866	367	157	42	35	14	17	12	6	2
Bosome Freho	1,187	891	159	84	31	8	2	6	5	0	1
Asante Akim South	2,235	1,715	318	120	42	18	4	8	7	2	1
Asante Akim Central Municipal	2,243	1,806	245	86	36	29	11	16	8	6	0
Ejisu Juaben Municipal	3,892	3,098	434	165	82	39	16	28	15	8	7
Bosumtwi	2,494	1,990	271	90	53	38	10	21	12	6	3
Atwima Kwanwoma	2,416	2,089	184	68	36	16	7	9	5	1	1
Kumasi Metropolis	55,130	45,865	5,680	1,357	695	423	236	454	268	84	68
Atwima Nwabiagya	4,624	3,810	469	149	76	38	23	32	11	12	4
Ahafo Ano South	2,386	1,858	345	99	39	9	5	16	11	3	1
Ahafo Ano North	827	635	116	34	14	5	5	7	6	4	1
Offinso Municipal	1,534	1,225	183	63	23	9	9	6	10	4	2
Afigya Kwabre	3,969	3,325	340	133	84	47	13	15	9	3	0
Kwabre East	4,346	3,689	385	108	65	41	16	19	8	11	4
Sekyere South	2,389	1,950	231	76	61	27	14	13	8	7	2
Mampong Municipal	2,162	1,654	258	111	60	18	20	20	11	7	3
Sekyere East	1,444	1,114	160	80	32	14	20	9	8	6	1
Sekyere Kumewu	366	287	50	17	6	5	1	0	0	0	0
Sekyere Central	1,250	909	205	70	33	16	7	4	4	2	0
Ejura Sekye Dumasi	2,077	1,561	334	102	34	11	7	15	5	6	2
Offinso North	1,430	1,081	216	71	27	11	11	3	6	3	1
Asokore Mampong Municipal	5,177	4,186	666	151	62	30	25	37	9	6	5
Asante Akim North	961	789	111	33	10	10	1	3	3	1	0
Sekyere Afram Plains North	802	603	95	52	25	13	2	6	4	2	0

**Table A6.7: Number of establishments in Ashanti Region by type of institutional registration**

Region/District	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
Ashanti Region	111,947	7986	103,961	7.1	92.9	2.8	14.2	68.1	31.3
Atwima Mponua	672	72	600	10.7	89.3	1.3	12.8	53.1	12.4
Amansie West	3,384	105	3,279	3.1	96.9	3.3	12.9	40.7	10.2
Amansie Central	1,601	117	1,484	7.3	92.7	3.3	12.9	75.8	9.2
Adansi South	724	74	650	10.2	89.8	1.5	14.4	68.1	63.1
Obuasi Municipal	6,560	589	5,971	9.0	91.0	2.9	13.2	76.5	43.7
Adansi North	1,844	141	1,703	7.6	92.4	4.2	14.5	61.6	33.2
Bekwai Municipal	3,518	244	3,274	6.9	93.1	2.1	10.3	57.8	24.1
Bosome Freho	1,187	43	1,144	3.6	96.4	2.1	9.4	33.8	5.4
Asante Akim South	2,235	203	2,032	9.1	90.9	4.3	18.1	63.5	22.0
Asante Akim Central Municipal	2,243	187	2,056	8.3	91.7	2.8	14.8	61.9	47.6
Ejisu Juaben Municipal	3,892	165	3,727	4.2	95.8	2.5	11.4	56.6	12.8
Bosumtwi	2,494	82	2,412	3.3	96.7	2.0	6.9	54.1	11.8
Atwima Kwanwoma	2,416	48	2,368	2.0	98.0	1.2	8.8	48.6	7.9
Kumasi Metropolis	55,130	4,847	50,283	8.8	91.2	2.8	17.6	74.1	41.9
Atwima Nwabiagya	4,624	229	4,395	5.0	95.0	1.5	9.0	71.4	26.6
Ahafo Ano South	2,386	201	2,185	8.4	91.6	8.7	13.4	67.7	10.6
Ahafo Ano North	827	65	762	7.9	92.1	9.8	11.9	82.7	14.9
Offinso Municipal	1,534	112	1,422	7.3	92.7	0.9	17.2	35.2	14.2
Afigya Kwabre	3,969	116	3,853	2.9	97.1	1.6	7.1	65.5	7.9
Kwabre East	4,346	137	4,209	3.2	96.8	1.6	7.8	68.6	9.7
Afigya Sekyere	2,389	77	2,312	3.2	96.8	6.0	10.3	63.3	23.8
Mampong Municipal	2,162	118	2,044	5.5	94.5	2.1	9.7	54.1	35.5
Sekyere East	1,444	5	1,439	0.3	99.7	0.2	2.3	95.3	3.0
Sekyere Afram Plains	366	9	357	2.5	97.5	0.0	3.6	23.2	3.0

*EPA: Environmental protection agency**DA: District assembly**RGD: Register general department**GRA: Ghana Revenue authority*

**Table A6.8: Number of establishments in Ashanti Region by district and type of legal organization**

Region/District	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc.)	Quasi Government	Para-statal Government	Non Governmental Organization	Cooperative	Association/Groups
<b>Ashanti</b>	<b>123,644</b>	<b>99,993</b>	<b>10,947</b>	<b>2,906</b>	<b>526</b>	<b>371</b>	<b>2,984</b>	<b>162</b>	<b>109</b>	<b>4,804</b>	<b>135</b>	<b>707</b>
Atwima Mponua	672	398	69	27	10	0	38	2	1	91	1	35
Amansie West	3,384	2,342	484	30	16	12	168	6	2	310	3	11
Amansie Central	1,601	971	218	23	32	5	116	5	4	222	0	5
Adansi South	724	532	48	27	16	5	41	1	0	49	0	5
Obuasi Municipal	6,560	5,524	585	158	20	6	78	1	2	154	5	27
Adansi North	1,844	1,296	118	30	18	73	61	4	0	200	8	36
Bekwai Municipal	3,518	2,836	238	33	9	20	164	7	0	181	6	24
Bosome Freho	1,187	696	143	7	24	0	96	1	1	214	1	4
Asante Akim South	2,235	1,507	222	33	44	12	159	7	3	229	4	15
Asante Akim Central Municipal	2,243	1,807	177	38	10	11	87	6	7	94	0	6
Ejisu Juaben Municipal	3,892	3,029	384	53	14	9	178	8	3	191	8	15
Bosumtwi	2,494	1,896	304	22	1	5	87	5	1	162	2	9
Atwima Kwanwoma	2,416	2,063	197	6	3	1	60	0	0	5	1	80
Kumasi Metropolis	55,130	46,679	4,953	2,009	114	104	287	29	31	644	65	215
Atwima Nwabiagya	4,624	3,902	274	63	32	7	80	24	11	191	4	36
Ahafo Ano South	2,386	1,591	251	38	40	7	164	6	8	250	1	30
Ahafo Ano North	827	665	36	17	4	7	48	3	5	40	0	2
Offinso Municipal	1,534	1,266	54	24	28	7	57	2	3	85	2	6
Afigya Kwabre	3,969	3,273	342	12	2	1	135	4	1	185	3	11
Kwabre East	4,346	3,814	249	13	7	3	91	3	3	150	7	6
Sekyere South	2,389	1,805	270	45	15	6	101	8	4	82	3	50
Mampong Municipal	2,162	1,591	230	38	7	15	121	8	5	141	1	5
Sekyere East	1,444	1,159	53	6	26	10	63	3	3	104	1	16
Sekyere Kumewu	366	213	47	4	0	0	43	0	0	59	0	0
Sekyere Central	1,250	806	96	15	2	21	95	7	5	190	1	12
Ejura Sekye Dumasi	2,077	1,608	110	22	4	6	139	3	2	173	2	8
Offinso North	1,430	1,038	147	15	1	4	92	2	2	104	1	24
Asokore Mampong Municipal	5,177	4,394	455	83	19	7	40	3	1	162	5	8
Asante Akim North	961	762	100	7	4	3	44	0	1	40	0	0
Sekyere Afram Plains North	802	530	93	8	4	4	51	4	0	102	0	6

**Table A6.9: Number of establishments in Ashanti Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Ashanti	5,003	100.0	3,147	100.0	7,485	100.0	22,978	100.0	84,492	100.0
Atwima Mponua	68	1.4	28	0.9	56	0.7	102	0.4	415	0.5
Amansie West	195	3.9	90	2.9	176	2.4	467	2.0	2,435	2.9
Amansie Central	100	2.0	61	1.9	151	2.0	237	1.0	1,052	1.2
Adansi South	39	0.8	28	0.9	66	0.9	151	0.7	435	0.5
Obuasi Municipal	185	3.7	169	5.4	427	5.7	1,335	5.8	4,431	5.2
Adansi North	130	2.6	64	2.0	126	1.7	348	1.5	1,176	1.4
Bekwai Municipal	231	4.6	80	2.5	191	2.6	648	2.8	2,366	2.8
Bosome Freho	143	2.9	34	1.1	78	1.0	179	0.8	753	0.9
Asante Akim South	213	4.3	73	2.3	185	2.5	409	1.8	1,355	1.6
Asante Akim Central Municipal	126	2.5	68	2.2	140	1.9	433	1.9	1,476	1.7
Ejisu Juaben Municipal	203	4.1	87	2.8	205	2.7	646	2.8	2,748	3.3
Bosumtwi	113	2.3	42	1.3	96	1.3	374	1.6	1,866	2.2
Atwima Kwanwoma	47	0.9	23	0.7	63	0.8	263	1.1	2,019	2.4
Kumasi Metropolis	1,645	32.9	1,579	50.2	3,728	49.8	11,697	50.9	36,167	42.8
Atwima Nwabiagya	140	2.8	74	2.4	197	2.6	674	2.9	3,529	4.2
Ahafo Ano South	176	3.5	64	2.0	166	2.2	392	1.7	1,553	1.8
Ahafo Ano North	39	0.8	14	0.4	40	0.5	136	0.6	584	0.7
Offinso Municipal	80	1.6	32	1.0	75	1.0	235	1.0	1,098	1.3
Afigya Kwabre	112	2.2	33	1.0	98	1.3	465	2.0	3,258	3.9
Kwabre East	84	1.7	31	1.0	163	2.2	645	2.8	3,423	4.1
Sekyere South	141	2.8	69	2.2	121	1.6	416	1.8	1,636	1.9
Mampong Municipal	146	2.9	59	1.9	106	1.4	331	1.4	1,496	1.8
Sekyere East	90	1.8	42	1.3	112	1.5	236	1.0	963	1.1
Sekyere Kumewu	15	0.3	15	0.5	23	0.3	100	0.4	213	0.3
Sekyere Central	141	2.8	31	1.0	101	1.3	196	0.9	764	0.9
Ejura Sekye Dumasi	73	1.5	55	1.7	145	1.9	344	1.5	1,455	1.7
Offinso North	75	1.5	44	1.4	98	1.3	269	1.2	939	1.1
Asokore Mampong Municipal	109	2.2	100	3.2	258	3.4	931	4.1	3,752	4.4
Asante Akim North	47	0.9	28	0.9	59	0.8	186	0.8	640	0.8
Sekyere Afram Plains North	97	1.9	30	1.0	35	0.5	133	0.6	495	0.6

**Table A6.10: Number of industry sector establishments in Ashanti Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Ashanti	432	100.0	483	100.0	1,224	100.0	4,530	100.0	14,023	100.0
Atwima Mponua	5	1.2	3	0.6	4	0.3	7	0.2	44	0.3
Amansie West	1	0.2	4	0.8	9	0.7	47	1.0	219	1.6
Amansie Central	0	0.0	7	1.4	9	0.7	20	0.4	92	0.7
Adansi South	2	0.5	4	0.8	7	0.6	26	0.6	89	0.6
Obuasi Municipal	29	6.7	35	7.2	99	8.1	257	5.7	787	5.6
Adansi North	4	0.9	2	0.4	13	1.1	64	1.4	189	1.3
Bekwai Municipal	3	0.7	8	1.7	23	1.9	81	1.8	309	2.2
Bosome Freho	0	0.0	3	0.6	8	0.7	29	0.6	116	0.8
Asante Akim South	2	0.5	4	0.8	14	1.1	66	1.5	223	1.6
Asante Akim Central Municipal	19	4.4	12	2.5	28	2.3	89	2.0	252	1.8
Ejisu Juaben Municipal	6	1.4	7	1.4	24	2.0	99	2.2	464	3.3
Bosumtwi	0	0.0	2	0.4	6	0.5	75	1.7	256	1.8
Atwima Kwanwoma	3	0.7	2	0.4	5	0.4	48	1.1	329	2.3
Kumasi Metropolis	291	67.4	289	59.8	709	57.9	2,449	54.1	5,895	42.0
Atwima Nwabiagya	8	1.9	2	0.4	24	2.0	121	2.7	581	4.1
Ahafo Ano South	2	0.5	3	0.6	9	0.7	66	1.5	239	1.7
Ahafo Ano North	0	0.0	4	0.8	11	0.9	33	0.7	108	0.8
Offinso Municipal	6	1.4	4	0.8	13	1.1	53	1.2	184	1.3
Afigya Kwabre	1	0.2	1	0.2	8	0.7	83	1.8	518	3.7
Kwabre East	3	0.7	6	1.2	22	1.8	188	4.2	801	5.7
Sekyere South	8	1.9	9	1.9	17	1.4	65	1.4	277	2.0
Mampong Municipal	7	1.6	10	2.1	20	1.6	55	1.2	218	1.6
Sekyere East	4	0.9	7	1.4	27	2.2	36	0.8	167	1.2
Sekyere Kumewu	0	0.0	1	0.2	6	0.5	27	0.6	65	0.5
Sekyere Central	5	1.2	3	0.6	6	0.5	34	0.8	131	0.9
Ejura Sekye Dumasi	1	0.2	9	1.9	15	1.2	73	1.6	312	2.2
Offinso North	2	0.5	7	1.4	7	0.6	53	1.2	152	1.1
Asokore Mampong Municipal	17	3.9	30	6.2	72	5.9	224	4.9	836	6.0
Asante Akim North	3	0.7	3	0.6	7	0.6	40	0.9	82	0.6
Sekyere Afram Plains North	0	0.0	2	0.4	2	0.2	22	0.5	88	0.6

**Table A6.11: Number of services sector establishments in Ashanti Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Ashanti</b>	<b>4,521</b>	100.0	<b>2,628</b>	100.0	<b>6,198</b>	100.0	<b>18,282</b>	100.0	<b>70,114</b>	100.0
Atwima Mponua	63	1.4	24	0.9	52	0.8	95	0.5	371	0.5
Amansie West	191	4.2	84	3.2	166	2.7	414	2.3	2,203	3.1
Amansie Central	100	2.2	54	2.1	141	2.3	215	1.2	958	1.4
Adansi South	37	0.8	24	0.9	59	1.0	124	0.7	341	0.5
Obuasi Municipal	154	3.4	130	4.9	328	5.3	1,071	5.9	3,640	5.2
Adansi North	126	2.8	62	2.4	113	1.8	281	1.5	978	1.4
Bekwai Municipal	226	5.0	72	2.7	167	2.7	563	3.1	2,045	2.9
Bosome Freho	142	3.1	30	1.1	66	1.1	146	0.8	628	0.9
Asante Akim South	208	4.6	69	2.6	170	2.7	342	1.9	1,131	1.6
Asante Akim Central Municipal	105	2.3	55	2.1	112	1.8	343	1.9	1,222	1.7
Ejisu Juaben Municipal	196	4.3	77	2.9	174	2.8	533	2.9	2,276	3.2
Bosumtwi	113	2.5	38	1.4	87	1.4	291	1.6	1,584	2.3
Atwima Kwanwoma	43	1.0	20	0.8	56	0.9	212	1.2	1,687	2.4
Kumasi Metropolis	1,337	29.6	1,278	48.6	3,005	48.5	9,230	50.5	30,245	43.1
Atwima Nwabiagya	131	2.9	72	2.7	169	2.7	525	2.9	2,913	4.2
Ahafo Ano South	170	3.8	60	2.3	154	2.5	315	1.7	1,285	1.8
Ahafo Ano North	37	0.8	10	0.4	28	0.5	101	0.6	473	0.7
Offinso Municipal	73	1.6	27	1.0	61	1.0	180	1.0	906	1.3
Afigya Kwabre	110	2.4	32	1.2	90	1.5	378	2.1	2,723	3.9
Kwabre East	81	1.8	25	1.0	136	2.2	450	2.5	2,612	3.7
Sekyere South	131	2.9	57	2.2	99	1.6	338	1.8	1,312	1.9
Mampong Municipal	139	3.1	48	1.8	83	1.3	272	1.5	1,260	1.8
Sekyere East	86	1.9	33	1.3	81	1.3	197	1.1	784	1.1
Sekyere Kumewu	15	0.3	14	0.5	17	0.3	73	0.4	147	0.2
Sekyere Central	132	2.9	28	1.1	92	1.5	162	0.9	628	0.9
Ejura Sekye Dumasi	70	1.5	46	1.8	130	2.1	268	1.5	1,138	1.6
Offinso North	72	1.6	37	1.4	91	1.5	206	1.1	766	1.1
Asokore Mampong Municipal	92	2.0	69	2.6	186	3.0	704	3.9	2,906	4.1
Asante Akim North	44	1.0	25	1.0	52	0.8	144	0.8	556	0.8
Sekyere Afram Plains North	97	2.1	28	1.1	33	0.5	109	0.6	396	0.6

**Table A6.12: Number of agriculture sector establishments in Ashanti Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Ashanti	50	100.0	36	100.0	63	100.0	166	100.0	355	100.0
Atwima Mponua	0	0.0	1	2.8	0	0.0	0	0.0	0	0.0
Amansie West	3	6.0	2	5.6	1	1.6	6	3.6	13	3.7
Amansie Central	0	0.0	0	0.0	1	1.6	2	1.2	2	0.6
Adansi South	0	0.0	0	0.0	0	0.0	1	0.6	5	1.4
Obuasi Municipal	2	4.0	4	11.1	0	0.0	7	4.2	4	1.1
Adansi North	0	0.0	0	0.0	0	0.0	3	1.8	9	2.5
Bekwai Municipal	2	4.0	0	0.0	1	1.6	4	2.4	12	3.4
Bosome Freho	1	2.0	1	2.8	4	6.3	4	2.4	9	2.5
Asante Akim South	3	6.0	0	0.0	1	1.6	1	0.6	1	0.3
Asante Akim Central Municipal	2	4.0	1	2.8	0	0.0	1	0.6	2	0.6
Ejisu Juaben Municipal	1	2.0	3	8.3	7	11.1	14	8.4	8	2.3
Bosumtwi	0	0.0	2	5.6	3	4.8	8	4.8	26	7.3
Atwima Kwanwoma	1	2.0	1	2.8	2	3.2	3	1.8	3	0.8
Kumasi Metropolis	17	34.0	12	33.3	14	22.2	18	10.8	27	7.6
Atwima Nwabiagya	1	2.0	0	0.0	4	6.3	28	16.9	35	9.9
Ahafo Ano South	4	8.0	1	2.8	3	4.8	11	6.6	29	8.2
Ahafo Ano North	2	4.0	0	0.0	1	1.6	2	1.2	3	0.8
Offinso Municipal	1	2.0	1	2.8	1	1.6	2	1.2	8	2.3
Afigya Kwabre	1	2.0	0	0.0	0	0.0	4	2.4	17	4.8
Kwabre East	0	0.0	0	0.0	5	7.9	7	4.2	10	2.8
Sekyere South	2	4.0	3	8.3	5	7.9	13	7.8	47	13.2
Mampong Municipal	0	0.0	1	2.8	3	4.8	4	2.4	18	5.1
Sekyere East	0	0.0	2	5.6	4	6.3	3	1.8	12	3.4
Sekyere Kumewu	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3
Sekyere Central	4	8.0	0	0.0	3	4.8	0	0.0	5	1.4
Ejura Sekye Dumasi	2	4.0	0	0.0	0	0.0	3	1.8	5	1.4
Offinso North	1	2.0	0	0.0	0	0.0	10	6.0	21	5.9
Asokore Mampong Municipal	0	0.0	1	2.8	0	0.0	3	1.8	10	2.8
Asante Akim North	0	0.0	0	0.0	0	0.0	2	1.2	2	0.6
Sekyere Afram Plains North	0	0.0	0	0.0	0	0.0	2	1.2	11	3.1

**Table A6.13: Distribution of persons engaged by establishments in Ashanti Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
Ashanti Region	540,471	92,463	441,025	6,983	100.0	17.1	81.6	1.3
Atwima Mponua	2,249	131	2,117	1	100.0	5.8	94.1	0.0
Amansie West	12,373	1,001	11,221	151	100.0	8.1	90.7	1.2
Amansie Central	6,331	482	5,840	9	100.0	7.6	92.2	0.1
Adansi South	3,036	361	2,659	16	100.0	11.9	87.6	0.5
Obuasi Municipal	27,879	6,655	20,995	229	100.0	23.9	75.3	0.8
Adansi North	9,100	1,029	7,977	94	100.0	11.3	87.7	1.0
Bekwai Municipal	13,491	1,359	12,087	45	100.0	10.1	89.6	0.3
Bosome Freho	5,120	595	4,475	50	100.0	11.6	87.4	1.0
Asante Akim South	9,017	1,223	7,613	181	100.0	13.6	84.4	2.0
Asante Akim Central Municipal	9,368	1,414	7,918	36	100.0	15.1	84.5	0.4
Ejisu Juaben Municipal	18,182	2,780	15,109	293	100.0	15.3	83.1	1.6
Bosumtwi	11,619	1,365	10,066	188	100.0	11.7	86.6	1.6
Atwima Kwanwoma	8,138	1,242	6,791	105	100.0	15.3	83.4	1.3
Kumasi Metropolis	251,811	48,700	201,258	1,853	100.0	19.3	79.9	0.7
Atwima Nwabiagya	18,810	3,002	15,071	737	100.0	16.0	80.1	3.9
Ahafo Ano South	10,303	1,375	8,766	162	100.0	13.3	85.1	1.6
Ahafo Ano North	4,327	537	3,415	375	100.0	12.4	78.9	8.7
Offinso Municipal	7,155	1,346	5,595	214	100.0	18.8	78.2	3.0
Afigya Kwabre	14,035	2,009	11,896	130	100.0	14.3	84.8	0.9
Kwabre East	16,698	3,460	12,650	588	100.0	20.7	75.8	3.5
Afigya Sekyere	10,559	1,080	9,171	308	100.0	10.2	86.9	2.9
Mampong Municipal	11,277	1,334	9,802	141	100.0	11.8	86.9	1.3
Sekyere East	7,139	1,018	5,977	144	100.0	14.3	83.7	2.0
Sekyere Afram Plains	1,327	213	1,109	5	100.0	16.1	83.6	0.4
Sekyere Central	5,627	539	5,027	61	100.0	9.6	89.3	1.1
Ejura Sekye Dumasi	9,892	1,530	8,139	223	100.0	15.5	82.3	2.3
Offinso North	6,368	748	5,195	425	100.0	11.7	81.6	6.7
Asokore Mampong Municipal	22,001	5,216	16,731	54	100.0	23.7	76.0	0.2
Asante Akim North	3,453	443	2,990	20	100.0	12.8	86.6	0.6
Sekyere Afram Plains North	3,786	276	3,365	145	100.0	7.3	88.9	3.8



**Table A6.14: Distribution of persons engaged in the Ashanti Region by district, sex and sector of establishment**

Region /District	Both Sexes				Male				Female			
	All	Industry	Service	Agriculture	All	Industry	Service	Agriculture	All	Industry	Service	Agriculture
	Sectors				Sectors				Sectors			
Ashanti Region	540,471	92,463	441,025	6,983	313,813	61,207	247,000	5,606	226,658	31,256	194,025	1,377
Atwima Mponua	2,249	131	2,117	1	1,463	100	1,362	1	786	31	755	0
Amansie West	12,373	1,001	11,221	151	7,265	659	6,476	130	5,108	342	4,745	21
Amansie Central	6,331	482	5,840	9	3,593	285	3,300	8	2,738	197	2,540	1
Adansi South	3,036	361	2,659	16	1,868	209	1,645	14	1,168	152	1,014	2
Obuasi Municipal	27,879	6,655	20,995	229	15,745	4,145	11,435	165	12,134	2,510	9,560	64
Adansi North	9,100	1,029	7,977	94	5,382	660	4,644	78	3,718	369	3,333	16
Bekwai Municipal	13,491	1,359	12,087	45	7,265	703	6,520	42	6,226	656	5,567	3
Bosome Freho	5,120	595	4,475	50	3,244	475	2,723	46	1,876	120	1,752	4
Asante Akim South	9,017	1,223	7,613	181	5,392	821	4,427	144	3,625	402	3,186	37
Asante Akim Central Municipal	9,368	1,414	7,918	36	5,074	811	4,232	31	4,294	603	3,686	5
Ejisu Juaben Municipal	18,182	2,780	15,109	293	10,125	1,815	8,051	259	8,057	965	7,058	34
Bosumtwi	11,619	1,365	10,066	188	5,960	827	4,977	156	5,659	538	5,089	32
Atwima Kwanwoma	8,138	1,242	6,791	105	4,019	785	3,131	103	4,119	457	3,660	2
Kumasi Metropolis	251,811	48,700	201,258	1,853	150,083	33,968	114,737	1,378	101,728	14,732	86,521	475
Atwima Nwabiagya	18,810	3,002	15,071	737	10,197	1,923	7,684	590	8,613	1,079	7,387	147
Ahafo Ano South	10,303	1,375	8,766	162	6,017	836	5,052	129	4,286	539	3,714	33
Ahafo Ano North	4,327	537	3,415	375	2,602	336	1,944	322	1,725	201	1,471	53
Offinso Municipal	7,155	1,346	5,595	214	4,099	722	3,181	196	3,056	624	2,414	18
Afigya Kwabre	14,035	2,009	11,896	130	7,124	1,256	5,759	109	6,911	753	6,137	21
Kwabre East	16,698	3,460	12,650	588	9,535	2,437	6,558	540	7,163	1,023	6,092	48
Afigya Sekyere	10,559	1,080	9,171	308	5,780	665	4,905	210	4,779	415	4,266	98
Mampong Municipal	11,277	1,334	9,802	141	6,586	795	5,675	116	4,691	539	4,127	25
Sekyere East	7,139	1,018	5,977	144	3,966	602	3,265	99	3,173	416	2,712	45
Sekyere Afram Plains	1,327	213	1,109	5	909	157	747	5	418	56	362	0
Sekyere Central	5,627	539	5,027	61	3,387	346	2,986	55	2,240	193	2,041	6
Ejura Sekye Dumasi	9,892	1,530	8,139	223	6,265	752	5,349	164	3,627	778	2,790	59
Offinso North	6,368	748	5,195	425	3,870	371	3,147	352	2,498	377	2,048	73
Asokore Mampong Municipal	22,001	5,216	16,731	54	13,145	3,380	9,714	51	8,856	1,836	7,017	3
Asante Akim North	3,453	443	2,990	20	1,750	212	1,523	15	1,703	231	1,467	5
Sekyere Afram Plains North	3,786	276	3,365	145	2,103	154	1,851	98	1,683	122	1,514	47

**Table A6.15: Distribution of persons engaged by establishments in Ashanti Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)
<b>Ashanti Region</b>	<b>540,471</b>	58.1	41.9	<b>92,463</b>	66.2	33.8	<b>441,025</b>	56.0	44.0	<b>6,983</b>	80.3	19.7
Atwima Mponua	2,249	65.1	34.9	131	76.3	23.7	2,117	64.3	35.7	1	100.0	0.0
Amansie West	12,373	58.7	41.3	1,001	65.8	34.2	11,221	57.7	42.3	151	86.1	13.9
Amansie Central	6,331	56.8	43.2	482	59.1	40.9	5,840	56.5	43.5	9	88.9	11.1
Adansi South	3,036	61.5	38.5	361	57.9	42.1	2,659	61.9	38.1	16	87.5	12.5
Obuasi Municipal	27,879	56.5	43.5	6,655	62.3	37.7	20,995	54.5	45.5	229	72.1	27.9
Adansi North	9,100	59.1	40.9	1,029	64.1	35.9	7,977	58.2	41.8	94	83.0	17.0
Bekwai Municipal	13,491	53.9	46.1	1,359	51.7	48.3	12,087	53.9	46.1	45	93.3	6.7
Bosome Freho	5,120	63.4	36.6	595	79.8	20.2	4,475	60.8	39.2	50	92.0	8.0
Asante Akim South	9,017	59.8	40.2	1,223	67.1	32.9	7,613	58.2	41.8	181	79.6	20.4
Asante Akim Central Municipal	9,368	54.2	45.8	1,414	57.4	42.6	7,918	53.4	46.6	36	86.1	13.9
Ejisu Juaben Municipal	18,182	55.7	44.3	2,780	65.3	34.7	15,109	53.3	46.7	293	88.4	11.6
Bosumtwi	11,619	51.3	48.7	1,365	60.6	39.4	10,066	49.4	50.6	188	83.0	17.0
Atwima Kwanwoma	8,138	49.4	50.6	1,242	63.2	36.8	6,791	46.1	53.9	105	98.1	1.9
Kumasi Metropolis	251,811	59.6	40.4	48,700	69.7	30.3	201,258	57.0	43.0	1,853	74.4	25.6
Atwima Nwabiagya	18,810	54.2	45.8	3,002	64.1	35.9	15,071	51.0	49.0	737	80.1	19.9
Ahafo Ano South	10,303	58.4	41.6	1,375	60.8	39.2	8,766	57.6	42.4	162	79.6	20.4
Ahafo Ano North	4,327	60.1	39.9	537	62.6	37.4	3,415	56.9	43.1	375	85.9	14.1
Offinso Municipal	7,155	57.3	42.7	1,346	53.6	46.4	5,595	56.9	43.1	214	91.6	8.4
Afigya Kwabre	14,035	50.8	49.2	2,009	62.5	37.5	11,896	48.4	51.6	130	83.8	16.2
Kwabre East	16,698	57.1	42.9	3,460	70.4	29.6	12,650	51.8	48.2	588	91.8	8.2
Afigya Sekyere	10,559	54.7	45.3	1,080	61.6	38.4	9,171	53.5	46.5	308	68.2	31.8
Mampong Municipal	11,277	58.4	41.6	1,334	59.6	40.4	9,802	57.9	42.1	141	82.3	17.7
Sekyere East	7,139	55.6	44.4	1,018	59.1	40.9	5,977	54.6	45.4	144	68.8	31.3
Sekyere Afram Plains	1,327	68.5	31.5	213	73.7	26.3	1,109	67.4	32.6	5	100.0	0.0
Sekyere Central	5,627	60.2	39.8	539	64.2	35.8	5,027	59.4	40.6	61	90.2	9.8
Ejura Sekye Dumasi	9,892	63.3	36.7	1,530	49.2	50.8	8,139	65.7	34.3	223	73.5	26.5
Offinso North	6,368	60.8	39.2	748	49.6	50.4	5,195	60.6	39.4	425	82.8	17.2
Asokore Mampong Municipal	22,001	59.7	40.3	5,216	64.8	35.2	16,731	58.1	41.9	54	94.4	5.6
Asante Akim North	3,453	50.7	49.3	443	47.9	52.1	2,990	50.9	49.1	20	75.0	25.0
Sekyere Afram Plains North	3,786	55.5	44.5	276	55.8	44.2	3,365	55.0	45.0	145	67.6	32.4

**Table A6.16: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Ashanti	Total	<b>191,861</b>	<b>85,214</b>	<b>45,559</b>	<b>30,488</b>	<b>22,259</b>	<b>14,570</b>	<b>31,529</b>	<b>33,507</b>	<b>29,685</b>	<b>55,799</b>
	Male	<b>93,199</b>	<b>52,896</b>	<b>27,702</b>	<b>18,444</b>	<b>13,370</b>	<b>9,048</b>	<b>20,125</b>	<b>21,935</b>	<b>19,432</b>	<b>37,662</b>
	Female	<b>98,662</b>	<b>32,318</b>	<b>17,857</b>	<b>12,044</b>	<b>8,889</b>	<b>5,522</b>	<b>11,404</b>	<b>11,572</b>	<b>10,253</b>	<b>18,137</b>
Atwima Mponua	Total	1,021	440	263	198	109	84	75	59	0	0
	Male	656	314	163	138	47	56	50	39	0	0
	Female	365	126	100	60	62	28	25	20	0	0
Amansie West	Total	5,282	2,765	1,263	543	251	127	573	812	264	493
	Male	2,782	1,640	805	321	189	77	385	621	163	282
	Female	2,500	1,125	458	222	62	50	188	191	101	211
Amansie Central	Total	2,332	1,508	748	254	194	129	177	552	100	337
	Male	1,233	972	429	125	113	88	69	324	75	165
	Female	1,099	536	319	129	81	41	108	228	25	172
Adansi South	Total	1,060	592	307	134	108	180	129	144	146	236
	Male	605	359	207	85	68	136	94	110	104	100
	Female	455	233	100	49	40	44	35	34	42	136
Obuasi Municipal	Total	10,103	3,861	1,781	1,263	1,553	1,096	2,094	1,810	2,047	2,271
	Male	4,353	2,350	1,135	782	913	727	1,360	1,102	1,361	1,662
	Female	5,750	1,511	646	481	640	369	734	708	686	609
Adansi North	Total	2,532	1,494	1,425	690	528	245	575	803	808	0
	Male	1,383	942	829	359	311	135	346	469	608	0
	Female	1,149	552	596	331	217	110	229	334	200	0
Bekwai Municipal	Total	4,895	2,329	1,799	697	749	360	597	812	846	407
	Male	2,199	1,248	1,098	405	452	230	407	606	436	184
	Female	2,696	1,081	701	292	297	130	190	206	410	223
Bosome Freho	Total	1,637	1,081	957	480	171	53	251	290	0	200
	Male	891	712	649	290	110	36	152	204	0	200
	Female	746	369	308	190	61	17	99	86	0	0
Asante Akim South	Total	3,275	2,048	1,352	679	378	107	299	429	250	200
	Male	1,749	1,301	762	393	239	86	248	348	131	135
	Female	1,526	747	590	286	139	21	51	81	119	65
Asante Akim Central Municipal	Total	3,301	1,585	982	609	620	288	588	495	900	0
	Male	1,592	931	557	324	342	147	338	361	482	0
	Female	1,709	654	425	285	278	141	250	134	418	0

**Table A6.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Asante Akim Central Municipal	Total	3,301	1,585	982	609	620	288	588	495	900	0
	Male	1,592	931	557	324	342	147	338	361	482	0
	Female	1,709	654	425	285	278	141	250	134	418	0
Ejisu Juaben Municipal	Total	5,970	2,770	1,924	1,353	830	419	1,046	878	1,212	1,780
	Male	2,769	1,570	969	751	477	247	581	588	905	1,268
	Female	3,201	1,200	955	602	353	172	465	290	307	512
Bosumtwi	Total	3,815	1,704	1,003	896	824	267	772	883	765	690
	Male	1,766	956	542	554	460	125	394	484	363	316
	Female	2,049	748	461	342	364	142	378	399	402	374
Atwima Kwanwoma	Total	3,816	1,172	790	590	340	188	320	301	161	460
	Male	1,696	599	435	292	190	102	161	167	100	277
	Female	2,120	573	355	298	150	86	159	134	61	183
Kumasi Metropolis	Total	88,621	35,423	15,413	11,379	9,083	6,286	16,580	17,734	11,134	40,158
	Male	42,161	23,146	9,958	7,335	5,777	4,029	10,799	11,766	7,672	27,440
	Female	46,460	12,277	5,455	4,044	3,306	2,257	5,781	5,968	3,462	12,718
Atwima Nwabiagya	Total	6,971	2,960	1,703	1,244	819	612	1,105	763	1,707	926
	Male	3,371	1,753	925	637	449	328	702	366	1,042	624
	Female	3,600	1,207	778	607	370	284	403	397	665	302
Ahafo Ano South	Total	3,919	2,242	1,118	639	192	130	576	823	407	257
	Male	2,080	1,384	638	386	113	73	382	555	235	171
	Female	1,839	858	480	253	79	57	194	268	172	86
Ahafo Ano North	Total	1,312	717	388	232	109	131	271	362	556	249
	Male	679	356	203	148	64	94	228	306	382	142
	Female	633	361	185	84	45	37	43	56	174	107
Offinso Municipal	Total	2,279	1,200	724	389	198	248	220	747	594	556
	Male	1,270	653	429	254	110	151	127	475	408	222
	Female	1,009	547	295	135	88	97	93	272	186	334
Afigya Kwabre	Total	5,998	2,111	1,564	1,392	1,007	341	540	588	494	0
	Male	2,608	1,142	857	726	548	173	346	406	318	0
	Female	3,390	969	707	666	459	168	194	182	176	0

**Table A6.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Kwabre East	Total	6,328	2,423	1,264	1,082	853	419	701	526	1,674	1,428
	Male	3,090	1,440	757	616	457	215	383	333	1,179	1,065
	Female	3,238	983	507	466	396	204	318	193	495	363
Afigya Sekyere	Total	3,824	1,456	886	1,011	592	374	422	490	1,041	463
	Male	1,918	850	575	635	346	249	246	194	505	262
	Female	1,906	606	311	376	246	125	176	296	536	201
Mampong Municipal	Total	3,009	1,669	1,278	988	391	534	791	745	1,094	778
	Male	1,547	977	707	605	217	319	515	491	668	540
	Female	1,462	692	571	383	174	215	276	254	426	238
Sekyere East	Total	2,047	988	921	535	297	521	366	496	738	230
	Male	1,010	593	544	279	183	308	226	349	361	113
	Female	1,037	395	377	256	114	213	140	147	377	117
Sekyere Afram Plains	Total	588	311	197	93	111	27	0	0	0	0
	Male	409	230	129	58	62	21	0	0	0	0
	Female	179	81	68	35	49	6	0	0	0	0
Sekyere Central	Total	1,727	1,334	818	534	341	192	154	268	259	0
	Male	942	861	488	320	222	130	70	164	190	0
	Female	785	473	330	214	119	62	84	104	69	0
Ejura Sekye Dumasi	Total	3,298	2,166	1,163	556	231	189	555	315	893	526
	Male	1,901	1,279	754	379	143	153	390	262	599	405
	Female	1,397	887	409	177	88	36	165	53	294	121
Offinso North	Total	2,094	1,382	805	438	241	288	106	353	423	238
	Male	1,141	827	514	301	168	165	59	242	245	208
	Female	953	555	291	137	73	123	47	111	178	30
Asokore Mampong Municipal	Total	8,219	4,176	1,719	1,016	645	655	1,321	590	744	2,916
	Male	4,184	2,785	1,049	643	381	398	832	400	592	1,881
	Female	4,035	1,391	670	373	264	257	489	190	152	1,035
Asante Akim North	Total	1,515	687	384	167	209	27	103	183	178	0
	Male	710	389	220	88	95	15	65	69	99	0
	Female	805	298	164	79	114	12	38	114	79	0

**Table A6.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Offinso North	Total	2,094	1,382	805	438	241	288	106	353	423	238
	Male	1,141	827	514	301	168	165	59	242	245	208
	Female	953	555	291	137	73	123	47	111	178	30
Asokore Mampong Municipal	Total	8,219	4,176	1,719	1,016	645	655	1,321	590	744	2,916
	Male	4,184	2,785	1,049	643	381	398	832	400	592	1,881
	Female	4,035	1,391	670	373	264	257	489	190	152	1,035
Asante Akim North	Total	1,515	687	384	167	209	27	103	183	178	0
	Male	710	389	220	88	95	15	65	69	99	0
	Female	805	298	164	79	114	12	38	114	79	0
Sekyere Afram Plains North	Total	1,073	620	620	407	285	53	222	256	250	0
	Male	504	337	375	215	124	35	170	134	209	0
	Female	569	283	245	192	161	18	52	122	41	0

**Table A6.17: Distribution of persons engaged by establishments in the Ashanti Region by district, status in employment and LSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro
<b>Ashanti Region</b>	<b>540,471</b>	<b>83,784</b>	<b>62,326</b>	<b>177,785</b>	<b>216,576</b>	<b>450,988</b>	<b>75,724</b>	<b>55,083</b>	<b>145,927</b>	<b>174,254</b>	<b>89,483</b>	<b>8,060</b>	<b>7,243</b>	<b>31,858</b>	<b>42,322</b>
Atwima Mponua	2,249	0	134	994	1,121	1,986	0	134	896	956	263	0	0	98	165
Amansie West	12,373	757	1,265	4,379	5,972	9,901	725	1,117	3,573	4,486	2,472	32	148	806	1,486
Amansie Central	6,331	337	799	2,513	2,682	5,097	288	661	1,985	2,163	1,234	49	138	528	519
Adansi South	3,036	382	273	1,206	1,175	2,445	302	209	1,008	926	591	80	64	198	249
Obuasi Municipal	27,879	4,318	3,694	8,649	11,218	22,339	3,788	3,141	6,681	8,729	5,540	530	553	1,968	2,489
Adansi North	9,100	708	1,418	4,077	2,897	7,887	619	1,178	3,683	2,407	1,213	89	240	394	490
Bekwai Municipal	13,491	1,253	1,289	5,369	5,580	11,136	1,183	1,140	4,426	4,387	2,355	70	149	943	1,193
Bosome Freho	5,120	200	511	2,582	1,827	4,433	5	485	2,429	1,514	687	195	26	153	313
Asante Akim South	9,017	450	698	4,094	3,775	7,840	423	668	3,663	3,086	1,177	27	30	431	689
Asante Akim Central Municipal	9,368	900	963	3,774	3,731	7,697	720	896	3,147	2,934	1,671	180	67	627	797
Ejisu Juaben Municipal	18,182	2,792	1,974	6,666	6,750	14,203	1,877	1,698	5,553	5,075	3,979	915	276	1,113	1,675
Bosumtwi	11,619	1,255	1,735	4,354	4,275	9,464	1,171	1,410	3,595	3,288	2,155	84	325	759	987
Atwima Kwanwoma	8,138	621	561	2,780	4,176	6,616	598	493	2,245	3,280	1,522	23	68	535	896
Kumasi Metropolis	251,811	50,592	32,854	68,724	99,641	217,958	48,451	29,796	56,247	83,464	33,853	2,141	3,058	12,477	16,177
Atwima Nwabiagya	18,810	2,433	1,798	6,708	7,871	16,302	2,107	1,526	5,941	6,728	2,508	326	272	767	1,143
Ahafo Ano South	10,303	664	1,339	3,846	4,454	8,092	629	1,260	3,160	3,043	2,211	35	79	686	1,411
Ahafo Ano North	4,327	805	633	1,347	1,542	2,858	423	474	996	965	1,469	382	159	351	577
Offinso Municipal	7,155	1,150	967	2,489	2,549	5,695	919	869	1,952	1,955	1,460	231	98	537	594
Afigya Kwabre	14,035	494	1,038	5,815	6,688	11,873	468	879	5,140	5,386	2,162	26	159	675	1,302
Kwabre East	16,698	3,102	1,107	5,471	7,018	13,734	2,627	947	4,555	5,605	2,964	475	160	916	1,413
Afigya Sekyere	10,559	1,504	762	4,049	4,244	8,426	1,435	665	3,246	3,080	2,133	69	97	803	1,164
Mampong Municipal	11,277	1,872	1,446	4,510	3,449	9,217	1,781	1,205	3,619	2,612	2,060	91	241	891	837
Sekyere East	7,139	768	1,032	2,952	2,387	6,056	723	858	2,552	1,923	1,083	45	174	400	464
Sekyere Afram Plains	1,327	0	0	629	698	1,099	0	0	529	570	228	0	0	100	128
Sekyere Central	5,627	259	422	2,894	2,052	4,726	212	335	2,565	1,614	901	47	87	329	438
Ejura Sekye Dumasi	9,892	1,419	780	3,875	3,818	6,515	754	635	2,458	2,668	3,377	665	145	1,417	1,150
Offinso North	6,368	661	399	2,789	2,519	5,073	514	249	2,337	1,973	1,295	147	150	452	546
Asokore Mampong Municipal	22,001	3,660	1,731	7,126	9,484	16,030	2,554	1,499	4,931	7,046	5,971	1,106	232	2,195	2,438
Asante Akim North	3,453	178	286	1,234	1,755	3,008	178	279	1,114	1,437	445	0	7	120	318
Sekyere Afram Plains North	3,786	250	418	1,890	1,228	3,282	250	377	1,701	954	504	0	41	189	274

**Table A6.18: Distribution of persons engaged in Ashanti Region by district and LSM establishments**

Region/District	Number of Persons engaged					Percentage distribution by size				
	All					All				
	Establishments	Large	Medium	Small	Micro	Establishments	Large	Medium	Small	Micro
<b>Ashanti Region</b>	<b>540,471</b>	<b>83,784</b>	<b>62,326</b>	<b>177,785</b>	<b>216,576</b>	<b>100.0</b>	<b>15.5</b>	<b>11.5</b>	<b>32.9</b>	<b>40.1</b>
Atwima Mponua	2,249	0	134	994	1,121	100.0	0.0	6.0	44.2	49.8
Amansie West	12,373	757	1,265	4,379	5,972	100.0	6.1	10.2	35.4	48.3
Amansie Central	6,331	337	799	2,513	2,682	100.0	5.3	12.6	39.7	42.4
Adansi South	3,036	382	273	1,206	1,175	100.0	12.6	9.0	39.7	38.7
Obuasi Municipal	27,879	4,318	3,694	8,649	11,218	100.0	15.5	13.3	31.0	40.2
Adansi North	9,100	708	1,418	4,077	2,897	100.0	7.8	15.6	44.8	31.8
Bekwai Municipal	13,491	1,253	1,289	5,369	5,580	100.0	9.3	9.6	39.8	41.4
Bosome Freho	5,120	200	511	2,582	1,827	100.0	3.9	10.0	50.4	35.7
Asante Akim South	9,017	450	698	4,094	3,775	100.0	5.0	7.7	45.4	41.9
Asante Akim Central Municipal	9,368	900	963	3,774	3,731	100.0	9.6	10.3	40.3	39.8
Ejisu Juaben Municipal	18,182	2,792	1,974	6,666	6,750	100.0	15.4	10.9	36.7	37.1
Bosumtwi	11,619	1,255	1,735	4,354	4,275	100.0	10.8	14.9	37.5	36.8
Atwima Kwanwoma	8,138	621	561	2,780	4,176	100.0	7.6	6.9	34.2	51.3
Kumasi Metropolis	251,811	50,592	32,854	68,724	99,641	100.0	20.1	13.0	27.3	39.6
Atwima Nwabiagya	18,810	2,433	1,798	6,708	7,871	100.0	12.9	9.6	35.7	41.8
Ahafo Ano South	10,303	664	1,339	3,846	4,454	100.0	6.4	13.0	37.3	43.2
Ahafo Ano North	4,327	805	633	1,347	1,542	100.0	18.6	14.6	31.1	35.6
Offinso Municipal	7,155	1,150	967	2,489	2,549	100.0	16.1	13.5	34.8	35.6
Afigya Kwabre	14,035	494	1,038	5,815	6,688	100.0	3.5	7.4	41.4	47.7
Kwabre East	16,698	3,102	1,107	5,471	7,018	100.0	18.6	6.6	32.8	42.0
Afigya Sekyere	10,559	1,504	762	4,049	4,244	100.0	14.2	7.2	38.3	40.2
Mampong Municipal	11,277	1,872	1,446	4,510	3,449	100.0	16.6	12.8	40.0	30.6
Sekyere East	7,139	768	1,032	2,952	2,387	100.0	10.8	14.5	41.4	33.4
Sekyere Afram Plains	1,327	0	0	629	698	100.0	0.0	0.0	47.4	52.6
Sekyere Central	5,627	259	422	2,894	2,052	100.0	4.6	7.5	51.4	36.5
Ejura Sekye Dumasi	9,892	1,419	780	3,875	3,818	100.0	14.3	7.9	39.2	38.6
Offinso North	6,368	661	399	2,789	2,519	100.0	10.4	6.3	43.8	39.6
Asokore Mampong Municipal	22,001	3,660	1,731	7,126	9,484	100.0	16.6	7.9	32.4	43.1
Asante Akim North	3,453	178	286	1,234	1,755	100.0	5.2	8.3	35.7	50.8
Sekyere Afram Plains North	3,786	250	418	1,890	1,228	100.0	6.6	11.0	49.9	32.4



**Table A6.19: Distribution of persons engaged in Ashanti Region by district and LSM Establishments**

Region/District	All persons			Large			Medium			Small			Micro		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Ashanti Region</b>	<b>540,471</b>	83.4	16.6	<b>83,784</b>	90.4	9.6	<b>62,326</b>	88.4	11.6	<b>177,785</b>	82.1	17.9	<b>216,576</b>	80.5	19.5
Atwima Mponua	2,249	88.3	11.7	0	0.0	0.0	134	100.0	0.0	994	90.1	9.9	1,121	85.3	14.7
Amansie West	12,373	80.0	20.0	757	95.8	4.2	1,265	88.3	11.7	4,379	81.6	18.4	5,972	75.1	24.9
Amansie Central	6,331	80.5	19.5	337	85.5	14.5	799	82.7	17.3	2,513	79.0	21.0	2,682	80.6	19.4
Adansi South	3,036	80.5	19.5	382	79.1	20.9	273	76.6	23.4	1,206	83.6	16.4	1,175	78.8	21.2
Obuasi Municipal	27,879	80.1	19.9	4,318	87.7	12.3	3,694	85.0	15.0	8,649	77.2	22.8	11,218	77.8	22.2
Adansi North	9,100	86.7	13.3	708	87.4	12.6	1,418	83.1	16.9	4,077	90.3	9.7	2,897	83.1	16.9
Bekwai Municipal	13,491	82.5	17.5	1,253	94.4	5.6	1,289	88.4	11.6	5,369	82.4	17.6	5,580	78.6	21.4
Bosome Freho	5,120	86.6	13.4	200	2.5	97.5	511	94.9	5.1	2,582	94.1	5.9	1,827	82.9	17.1
Asante Akim South	9,017	86.9	13.1	450	94.0	6.0	698	95.7	4.3	4,094	89.5	10.5	3,775	81.7	18.3
Asante Akim Central Municipal	9,368	82.2	17.8	900	80.0	20.0	963	93.0	7.0	3,774	83.4	16.6	3,731	78.6	21.4
Ejisu Juaben Municipal	18,182	78.1	21.9	2,792	67.2	32.8	1,974	86.0	14.0	6,666	83.3	16.7	6,750	75.2	24.8
Bosumtwi	11,619	81.5	18.5	1,255	93.3	6.7	1,735	81.3	18.7	4,354	82.6	17.4	4,275	76.9	23.1
Atwima Kwanwoma	8,138	81.3	18.7	621	96.3	3.7	561	87.9	12.1	2,780	80.8	19.2	4,176	78.5	21.5
Kumasi Metropolis	251,811	86.6	13.4	50,592	95.8	4.2	32,854	90.7	9.3	68,724	81.8	18.2	99,641	83.8	16.2
Atwima Nwabiagya	18,810	86.7	13.3	2,433	86.6	13.4	1,798	84.9	15.1	6,708	88.6	11.4	7,871	85.5	14.5
Ahafo Ano South	10,303	78.5	21.5	664	94.7	5.3	1,339	94.1	5.9	3,846	82.2	17.8	4,454	68.3	31.7
Ahafo Ano North	4,327	66.1	33.9	805	52.5	47.5	633	74.9	25.1	1,347	73.9	26.1	1,542	62.6	37.4
Offinso Municipal	7,155	79.6	20.4	1,150	79.9	20.1	967	89.9	10.1	2,489	78.4	21.6	2,549	76.7	23.3
Afigya Kwabre	14,035	84.6	15.4	494	94.7	5.3	1,038	84.7	15.3	5,815	88.4	11.6	6,688	80.5	19.5
Kwabre East	16,698	82.2	17.8	3,102	84.7	15.3	1,107	85.5	14.5	5,471	83.3	16.7	7,018	79.9	20.1
Afigya Sekyere	10,559	79.8	20.2	1,504	95.4	4.6	762	87.3	12.7	4,049	80.2	19.8	4,244	72.6	27.4
Mampong Municipal	11,277	81.7	18.3	1,872	95.1	4.9	1,446	83.3	16.7	4,510	80.2	19.8	3,449	75.7	24.3
Sekyere East	7,139	84.8	15.2	768	94.1	5.9	1,032	83.1	16.9	2,952	86.4	13.6	2,387	80.6	19.4
Sekyere Afram Plains	1,327	82.8	17.2	0	0.0	0.0	0	0.0	0.0	629	84.1	15.9	698	81.7	18.3
Sekyere Central	5,627	84.0	16.0	259	81.9	18.1	422	79.4	20.6	2,894	88.6	11.4	2,052	78.7	21.3
Ejura Sekye Dumasi	9,892	65.9	34.1	1,419	53.1	46.9	780	81.4	18.6	3,875	63.4	36.6	3,818	69.9	30.1
Offinso North	6,368	79.7	20.3	661	77.8	22.2	399	62.4	37.6	2,789	83.8	16.2	2,519	78.3	21.7
Asokore Mampong Municipal	22,001	72.9	27.1	3,660	69.8	30.2	1,731	86.6	13.4	7,126	69.2	30.8	9,484	74.3	25.7
Asante Akim North	3,453	87.1	12.9	178	100.0	0.0	286	97.6	2.4	1,234	90.3	9.7	1,755	81.9	18.1
Sekyere Afram Plains North	3,786	86.7	13.3	250	100.0	0.0	418	90.2	9.8	1,890	90.0	10.0	1,228	77.7	22.3

**Table A6.20: Distribution of persons engaged in establishments in Ashanti Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by													
		Sole Proprietorship		Partnership		Private Limited Company by Gurantee		Public Limited Company		Other Governmental Institutions (MDAs)	Quasi Government	Para-statal Government	Non Governmental Organization (NGO)	Cooperative	Association/Groups
		Overall						Statutory							
<b>Ashanti Region</b>	540,471	100.0	55.4	9.2	8.8	1.4	1.5	12.7	1.2	0.2	7.4	0.5	1.7		
Atwima Mponua	2,249	100.0	39.1	6.0	4.7	1.1	0.0	18.9	2.0	0.0	22.8	0.0	5.4		
Amansie West	12,373	100.0	46.3	15.4	4.0	1.8	1.6	13.9	0.3	0.0	15.4	0.1	1.1		
Amansie Central	6,331	100.0	32.4	9.8	6.5	1.8	0.7	18.1	0.6	0.2	27.2	0.0	2.6		
Adansi South	3,036	100.0	43.9	5.5	3.8	4.2	1.5	30.5	0.1	0.0	9.5	0.0	1.1		
Obuasi Municipal	27,879	100.0	65.0	9.9	9.0	1.1	0.5	5.6	0.1	0.2	5.3	0.5	2.7		
Adansi North	9,100	100.0	42.7	5.1	5.4	2.0	12.5	11.4	0.1	0.0	18.5	0.9	1.6		
Bekwai Municipal	13,491	100.0	52.8	6.9	2.4	0.3	2.0	18.5	3.8	0.0	10.4	1.0	1.7		
Bosome Freho	5,120	100.0	28.3	12.0	1.2	3.1	0.0	22.9	0.2	0.2	30.9	0.0	1.3		
Asante Akim South	9,017	100.0	43.8	7.1	1.9	1.8	1.5	22.1	0.9	0.1	19.7	0.2	0.9		
Asante Akim Central Municipal	9,368	100.0	56.0	6.2	5.2	0.4	1.7	15.3	3.1	0.8	10.4	0.0	0.9		
Ejisu Juaben Municipal	18,182	100.0	47.0	11.3	6.0	0.5	2.3	18.1	2.7	0.1	10.7	0.6	0.6		
Bosumtwi	11,619	100.0	45.2	9.8	3.6	0.0	0.3	16.3	0.8	0.2	23.5	0.1	0.2		
Atwima Kwanwoma	8,138	100.0	62.6	11.2	1.3	0.4	0.1	18.5	0.0	0.0	0.9	0.3	4.6		
Kumasi Metropolis	251,811	100.0	60.0	9.9	13.8	1.1	1.3	8.5	0.9	0.3	2.5	0.7	1.0		
Atwima Nwabiagya	18,810	100.0	59.1	7.3	8.1	2.4	0.4	11.9	2.1	0.1	6.9	0.1	1.5		
Ahafo Ano South	10,303	100.0	40.5	6.9	6.5	5.1	1.9	20.9	0.3	0.2	15.9	0.0	1.8		
Ahafo Ano North	4,327	100.0	48.5	7.5	5.1	3.7	8.4	23.8	0.5	1.0	1.4	0.0	0.1		
Offinso Municipal	7,155	100.0	52.8	2.1	4.2	1.5	1.3	20.4	3.2	0.2	13.8	0.2	0.3		
Afigya Kwabre	14,035	100.0	61.7	10.2	1.5	0.2	0.1	17.3	0.7	0.0	7.7	0.1	0.4		
Kwabre East	16,698	100.0	61.0	6.1	0.9	0.3	0.2	18.8	1.1	0.4	6.2	0.9	4.1		
Sekyere South	10,559	100.0	43.8	7.8	5.9	0.8	0.9	22.5	2.9	0.1	10.4	0.2	4.7		
Mampong Municipal	11,277	100.0	41.4	7.2	6.1	1.1	2.1	22.2	7.3	2.0	10.0	0.2	0.3		
Sekyere East	7,139	100.0	52.4	3.6	1.3	6.6	6.1	13.6	0.6	0.6	13.1	0.0	2.1		
Sekyere Kumewu	1,327	100.0	36.6	10.4	1.2	0.0	0.0	32.3	0.0	0.0	19.5	0.0	0.0		
Sekyere Central	5,627	100.0	33.3	4.5	3.0	0.6	6.2	24.6	1.9	0.6	23.0	0.1	2.2		
Ejura Sekye Dumasi	9,892	100.0	49.8	5.2	1.7	0.5	0.4	24.9	1.0	0.2	13.2	0.2	2.9		
Offinso North	6,368	100.0	45.1	11.5	1.3	0.1	1.4	24.3	0.1	0.1	13.0	0.0	3.0		
Asokore Mampong Municipal	22,001	100.0	60.2	12.7	3.4	4.0	0.6	3.8	1.3	0.0	4.9	0.1	9.0		
Asante Akim North	3,453	100.0	53.9	9.4	4.7	0.5	0.6	20.2	0.0	0.1	10.7	0.0	0.0		
Sekyere Afram Plains North	3,786	100.0	29.4	9.3	1.4	2.3	1.5	22.5	1.7	0.0	30.7	0.0	1.1		

**Table A7.1: Distribution of establishments by sector and districts, Brong Ahafo Region**

Region/District	Industry		Service		Agriculture		All Sectors		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	All sectors	Industry	Services	Agriculture
<b>Brong Ahafo</b>	<b>7,899</b>	<b>100.0</b>	<b>40,873</b>	<b>100.0</b>	<b>574</b>	<b>100.0</b>	<b>49,346</b>	<b>100.0</b>	<b>100.0</b>	<b>16.0</b>	<b>82.8</b>	<b>1.2</b>
Banda	34	0.4	303	0.7	-	-	337	0.7	100.0	10.1	89.9	0.0
Sene East	55	0.7	421	1.0	-	-	476	1.0	100.0	11.6	88.4	0.0
Nkoranza North	64	0.8	511	1.3	9	1.6	584	1.2	100.0	11.0	87.5	1.5
Sene West	133	1.7	648	1.6	2	0.3	783	1.6	100.0	17.0	82.8	0.3
Dormaa West	138	1.7	685	1.7	27	4.7	850	1.7	100.0	16.2	80.6	3.2
Techiman North	155	2.0	802	2.0	1	0.2	958	1.9	100.0	16.2	83.7	0.1
Asutifi South	125	1.6	908	2.2	3	0.5	1,036	2.1	100.0	12.1	87.6	0.3
Tain	178	2.3	1,001	2.4	10	1.7	1,189	2.4	100.0	15.0	84.2	0.8
Kintampo North Municipal	258	3.3	948	2.3	5	0.9	1,211	2.5	100.0	21.3	78.3	0.4
Kintampo South	187	2.4	1,033	2.5	1	0.2	1,221	2.5	100.0	15.3	84.6	0.1
Asutifi North	191	2.4	1,051	2.6	4	0.7	1,246	2.5	100.0	15.3	84.3	0.3
Dormaa East	165	2.1	1,041	2.5	68	11.8	1,274	2.6	100.0	13.0	81.7	5.3
Asunafo South	177	2.2	1,217	3.0	17	3.0	1,411	2.9	100.0	12.5	86.3	1.2
Jaman North	206	2.6	1,210	3.0	4	0.7	1,420	2.9	100.0	14.5	85.2	0.3
Atebubu Amantin	258	3.3	1,254	3.1	2	0.3	1,514	3.1	100.0	17.0	82.8	0.1
Tano North	291	3.7	1,296	3.2	19	3.3	1,606	3.3	100.0	18.1	80.7	1.2
Tano South	249	3.2	1,489	3.6	4	0.7	1,742	3.5	100.0	14.3	85.5	0.2
Nkoranza South	399	5.1	1,611	3.9	4	0.7	2,014	4.1	100.0	19.8	80.0	0.2
Wenchi Municipal	372	4.7	1,666	4.1	29	5.1	2,067	4.2	100.0	18.0	80.6	1.4
Sunyani West	292	3.7	1,750	4.3	36	6.3	2,078	4.2	100.0	14.1	84.2	1.7
Pru	373	4.7	1,709	4.2	24	4.2	2,106	4.3	100.0	17.7	81.1	1.1
Jaman South	305	3.9	1,803	4.4	14	2.4	2,122	4.3	100.0	14.4	85.0	0.7
Dormaa Central Municipal	318	4.0	1,862	4.6	134	23.3	2,314	4.7	100.0	13.7	80.5	5.8
Berekum Municipal	462	5.8	2,337	5.7	15	2.6	2,814	5.7	100.0	16.4	83.0	0.5
Asunafo North Municipal	440	5.6	2,407	5.9	32	5.6	2,879	5.8	100.0	15.3	83.6	1.1
Techiman Municipal	972	12.3	4,345	10.6	13	2.3	5,330	10.8	100.0	18.2	81.5	0.2
Sunyani Municipal	1,102	14.0	5,565	13.6	97	16.9	6,764	13.7	100.0	16.3	82.3	1.4

**Table A7.2: Distribution of industry subsector establishments in Brong Ahafo Region by district**

Region/District	Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction		Industry Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Brong Ahafo</b>	<b>7,430</b>	100.0	<b>8</b>	100.0	<b>30</b>	100.0	<b>83</b>	100.0	348	100.0	7,899	100.0
Asunafo South	166	2.2	-	0.0	-	0.0	3	3.6	8	2.3	177	2.2
Asunafo North Municipal	417	5.6	1	12.5	3	10.0	3	3.6	16	4.6	440	5.6
Asutifi North	154	2.1	2	25.0	1	3.3	2	2.4	32	9.2	191	2.4
Dormaa Central Municipal	312	4.2	-	0.0	-	0.0	-	0.0	6	1.7	318	4.0
Dormaa East	163	2.2	-	0.0	1	3.3	1	1.2	-	0.0	165	2.1
Tano South	238	3.2	-	0.0	1	3.3	3	3.6	7	2.0	249	3.2
Tano North	282	3.8	-	0.0	2	6.7	2	2.4	5	1.4	291	3.7
Sunyani Municipal	1,006	13.5	2	25.0	6	20.0	7	8.4	81	23.3	1,102	14.0
Sunyani West	286	3.8	1	12.5	-	0.0	2	2.4	3	0.9	292	3.7
Berekum Municipal	438	5.9	-	0.0	-	0.0	7	8.4	17	4.9	462	5.8
Jaman South	289	3.9	-	0.0	1	3.3	4	4.8	11	3.2	305	3.9
Jaman North	195	2.6	-	0.0	2	6.7	2	2.4	7	2.0	206	2.6
Tain	172	2.3	-	0.0	1	3.3	3	3.6	2	0.6	178	2.3
Wenchi Municipal	342	4.6	1	12.5	1	3.3	10	12.0	18	5.2	372	4.7
Techiman Municipal	859	11.6	1	12.5	2	6.7	24	28.9	86	24.7	972	12.3
Nkoranza South	388	5.2	-	0.0	1	3.3	4	4.8	6	1.7	399	5.1
Nkoranza North	63	0.8	-	0.0	-	0.0	1	1.2	-	0.0	64	0.8
Atebubu Amantin	251	3.4	-	0.0	-	0.0	1	1.2	6	1.7	258	3.3
Sene West	127	1.7	-	0.0	1	3.3	-	0.0	5	1.4	133	1.7
Pru	362	4.9	-	0.0	1	3.3	1	1.2	9	2.6	373	4.7
Kintampo South	184	2.5	-	0.0	-	0.0	-	0.0	3	0.9	187	2.4
Kintampo North Municipal	241	3.2	-	0.0	3	10.0	1	1.2	13	3.7	258	3.3
Asutifi South	120	1.6	-	0.0	1	3.3	1	1.2	3	0.9	125	1.6
Dormaa West	136	1.8	-	0.0	-	0.0	-	0.0	2	0.6	138	1.7
Techiman North	154	2.1	-	0.0	-	0.0	1	1.2	-	0.0	155	2.0
Banda	31	0.4	-	0.0	2	6.7	-	0.0	1	0.3	34	0.4
Sene East	54	0.7	-	0.0	-	0.0	-	0.0	1	0.3	55	0.7

**Table A7.3: Distribution of services subsector establishments in Brong Ahafo Region by district**

Region/District	Services Total	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Professional, Scientific and Technical and support Service Activity	Public Administration and Defence	Educational	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services	Household Employers	Extraterritorial Organisations	
<b>Brong Ahafo</b>	<b>40,873</b>	<b>22,021</b>	<b>109</b>	<b>4,598</b>	<b>321</b>	<b>632</b>	<b>8</b>	<b>371</b>	<b>279</b>	<b>443</b>	<b>2,664</b>	<b>533</b>	<b>394</b>	<b>8,498</b>	<b>1</b>	<b>1</b>
Asunafo South	1217	628	3	115	10	9	0	6	7	10	101	21	3	304	0	0
Asunafo North Municipal	2407	1272	10	236	17	35	0	14	13	31	145	33	26	575	0	0
Asutifi North	1051	591	3	83	5	14	0	17	6	33	67	8	14	210	0	0
Dormaa Central Municipal	1862	935	5	197	10	34	0	18	11	22	144	34	7	445	0	0
Dormaa East	1041	507	4	114	9	12	0	4	8	8	68	10	5	292	0	0
Tano South	1489	771	2	201	5	17	0	14	9	22	90	15	17	326	0	0
Tano North	1296	713	3	122	7	14	0	3	7	30	95	17	3	282	0	0
Sunyani Municipal	5565	3170	13	560	61	130	4	81	70	59	200	60	88	1067	1	1
Sunyani West	1750	968	3	228	8	14	0	5	13	17	86	19	15	374	0	0
Berekum Municipal	2337	1414	6	213	24	31	0	32	16	8	96	34	15	448	0	0
Jaman South	1803	922	13	227	16	16	0	14	5	24	135	21	23	387	0	0
Jaman North	1210	627	6	120	24	25	0	6	8	16	135	29	6	208	0	0
Tain	1001	475	6	142	14	21	0	1	2	14	111	13	3	199	0	0
Wenchi Municipal	1666	915	1	187	11	22	3	16	18	19	117	17	16	324	0	0
Techiman Municipal	4345	2771	8	369	21	72	1	44	26	30	175	43	58	727	0	0
Nkoranza South	1611	744	3	273	15	32	0	11	4	15	119	21	14	360	0	0
Nkoranza North	511	235	2	82	4	3	0	0	3	6	64	8	4	100	0	0
Atebubu Amantin	1254	688	2	134	6	19	0	8	9	10	110	19	3	246	0	0
Sene West	648	333	3	83	5	9	0	7	3	7	63	8	0	127	0	0
Pru	1709	815	4	225	18	37	0	50	12	9	130	20	12	377	0	0
Kintampo South	1033	472	1	153	4	11	0	2	3	6	109	21	17	234	0	0
Kintampo North Municipal	948	531	2	120	10	16	0	3	8	10	33	17	19	179	0	0
Asutifi South	908	458	4	110	12	11	0	3	3	10	66	15	18	198	0	0
Dormaa West	685	326	0	111	0	8	0	8	3	10	39	10	4	166	0	0
Techiman North	802	420	2	81	3	12	0	4	7	7	73	8	4	181	0	0
Banda	303	136	0	48	2	5	0	0	3	5	37	5	0	62	0	0
Sene East	421	184	0	64	0	3	0	0	2	5	56	7	0	100	0	0

**Table A7.4: Number of establishments in Brong Ahafo Region by district and LMSM**

Region/District	Large		Medium		Small		Micro		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Brong Ahafo</b>	<b>137</b>	100.0	<b>476</b>	100.0	<b>7,808</b>	100.0	<b>40,925</b>	100.0	<b>49,346</b>	100.0
sunafa South	3	2.2	15	3.2	240	3.1	1,153	2.8	1,411	2.9
Asunafa North Municipal	7	5.1	21	4.4	430	5.5	2,421	5.9	2,879	5.8
Asutifi North	3	2.2	18	3.8	211	2.7	1,014	2.5	1,246	2.5
Dormaa Municipal	5	3.6	22	4.6	407	5.2	1,880	4.6	2,314	4.7
Dormaa Central Municipal	3	2.2	12	2.5	204	2.6	1,055	2.6	1,274	2.6
Tano South	5	3.6	12	2.5	266	3.4	1,459	3.6	1,742	3.5
Tano North	3	2.2	14	2.9	245	3.1	1,344	3.3	1,606	3.3
Sunyani Municipal	30	21.9	85	17.9	853	10.9	5,796	14.2	6,764	13.7
Sunyani West	5	3.6	26	5.5	284	3.6	1,763	4.3	2,078	4.2
Berekum Municipal	8	5.8	22	4.6	304	3.9	2,480	6.1	2,814	5.7
Jaman South	4	2.9	11	2.3	372	4.8	1,735	4.2	2,122	4.3
Jaman North	3	2.2	13	2.7	281	3.6	1,123	2.7	1,420	2.9
Tain	5	3.6	10	2.1	232	3.0	942	2.3	1,189	2.4
Wenchi Municipal	6	4.4	20	4.2	327	4.2	1,714	4.2	2,067	4.2
Techiman Municipal	12	8.8	52	10.9	778	10.0	4,488	11.0	5,330	10.8
Nkoranza South	3	2.2	18	3.8	323	4.1	1,670	4.1	2,014	4.1
Nkoranza North	1	0.7	5	1.1	116	1.5	462	1.1	584	1.2
Atebubu Amantin	4	2.9	18	3.8	287	3.7	1,205	2.9	1,514	3.1
Sene West	3	2.2	6	1.3	148	1.9	626	1.5	783	1.6
Pru	2	1.5	12	2.5	385	4.9	1,707	4.2	2,106	4.3
Kintampo South	4	2.9	4	0.8	254	3.3	959	2.3	1,221	2.5
Kintampo North Municipal	3	2.2	5	1.1	189	2.4	1,014	2.5	1,211	2.5
Asutifi South	3	2.2	9	1.9	170	2.2	854	2.1	1,036	2.1
Dormaa West	4	2.9	21	4.4	158	2.0	667	1.6	850	1.7
Techiman North	7	5.1	19	4.0	190	2.4	742	1.8	958	1.9
Banda	1	0.7	4	0.8	75	1.0	257	0.6	337	0.7
Sene East	0.0	0.0	2	0.4	79	1.0	395	1.0	476	1.0

**Table A7.5: Distribution of establishments in Brong Ahafo Region by district and size**

Regions/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Brong Ahafo</b>	49,346	38,679	6,555	1,967	794	450	214	331	213	92	51
Asunafo South	1,411	1,091	191	76	15	12	6	14	3	3	0
Asunafo North Municipal	2,879	2,313	349	118	35	24	8	17	8	3	4
Asutifi North	1,246	945	190	45	27	13	4	12	7	2	1
Dormaa Central Municipal	2,314	1,781	347	108	35	10	5	15	8	3	2
Dormaa East	1,274	1,000	171	52	26	5	3	11	3	2	1
Tano South	1,742	1,386	220	60	32	13	9	9	8	4	1
Tano North	1,606	1,261	190	66	35	21	12	12	6	2	1
Sunyani Municipal	6,764	5,484	748	208	104	59	30	56	44	16	15
Sunyani West	2,078	1,669	226	81	34	25	10	22	5	6	0
Berekum Municipal	2,814	2,390	256	62	36	28	11	15	8	6	2
Jaman South	2,122	1,648	283	106	38	19	9	9	6	1	3
Jaman North	1,420	1,060	218	72	27	20	7	4	9	2	1
Tain	1,189	880	199	68	11	8	5	6	7	4	1
Wenchi Municipal	2,067	1,624	264	67	29	36	14	20	7	2	4
Techiman Municipal	5,330	4,217	712	186	83	38	25	36	21	6	6
Nkoranza South	2,014	1,558	297	78	32	16	8	13	8	3	1
Nkoranza North	584	439	86	19	10	17	5	3	4	1	0
Atebubu Amantin	1,514	1,137	221	73	34	17	9	14	4	5	0
Sene West	783	583	133	39	10	6	3	1	5	1	2
Pru	2,106	1,580	367	104	27	10	3	5	8	1	1
Kintampo South	1,221	904	221	57	20	10	1	1	3	4	0
Kintampo North Municipal	1,211	971	143	47	26	5	9	6	1	2	1
Asutifi South	1,036	796	144	47	21	10	5	6	4	3	0
Dormaa West	850	643	117	39	11	6	6	11	12	4	1
Techiman North	958	710	122	51	25	16	6	10	10	6	2
Banda	337	244	59	21	3	4	1	2	2	0	1
Sene East	476	365	81	17	8	2	0	1	2	0	0

**Table A7.6: Number of establishments in Brong Ahafo Region by type of institutional registration**

Region/District	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
Brong Ahafo	61,043	4043	57,000	6.6	93.4	4.3	14.1	52.2	32.2
Sekyere Central	1,250	79	1,171	6.3	93.7	1.2	14.1	56.2	17.1
Ejura Sekye Dumasi	2,077	75	2,002	3.6	96.4	7.7	9.5	51.7	30.2
Offinso North	1,430	57	1,373	4.0	96.0	7.5	11.7	53.1	22.2
Asokore Mampong Municipal	5,177	129	5,048	2.5	97.5	1.5	10.4	64.4	31.4
Asante Akim North	961	29	932	3.0	97.0	9.3	8.9	75.7	40.0
Sekyere Afram Plains North	802	41	761	5.1	94.9	3.0	7.7	64.6	12.5
Asunafo South	1,411	107	1,304	7.6	92.4	1.8	23.9	46.6	20.6
Asunafo North Municipal	2,879	254	2,625	8.8	91.2	3.2	17.4	49.7	34.7
Asutifi North	1,246	151	1,095	12.1	87.9	6.8	28.3	54.1	36.2
Dormaa Municipal	2,314	182	2,132	7.9	92.1	1.8	18.1	46	27.3
Dormaa Central Municipal	1,274	45	1,229	3.5	96.5	2.9	12.5	54.8	28.6
Tano South	1,742	110	1,632	6.3	93.7	4.7	10.8	56.2	26.6
Tano North	1,606	117	1,489	7.3	92.7	5.4	14.4	55.3	17.5
Sunyani Municipal	6,764	840	5,924	12.4	87.6	7.8	22.3	39.7	33.6
Sunyani West	2,078	92	1,986	4.4	95.6	4.4	10.7	32.2	20.6
Berekum Municipal	2,814	210	2,604	7.5	92.5	1.6	11.3	56.4	49.0
Jaman South	2,122	112	2,010	5.3	94.7	2.5	10.1	65.4	45.8
Jaman North	1,420	116	1,304	8.2	91.8	8.7	13.7	42.0	44.9
Tain	1,189	61	1,128	5.1	94.9	1.1	11.4	48.9	8.6
Wenchi Municipal	2,067	202	1,865	9.8	90.2	5.7	17.9	54.3	49.8
Techiman Municipal	5,330	421	4,909	7.9	92.1	3.1	14.7	66.8	60.4
Nkoranza South	2,014	139	1,875	6.9	93.1	6.6	11.6	49.0	32.5
Nkoranza North	584	40	544	6.8	93.2	6.8	11.5	40.6	7.4
Atebubu Amantin	1,514	64	1,450	4.2	95.8	3.6	9.5	53	28.5
Sene West	783	30	753	3.8	96.2	2.7	8.3	53.3	21.1
Pru	2,106	54	2,052	2.6	97.4	2.4	5	45.6	10.0
Kintampo South	1,221	26	1,195	2.1	97.9	1.3	7.4	36	11.4
Kintampo North Municipal	1,211	101	1,110	8.3	91.7	5.2	17.9	54.1	22.6
Asutifi South	1,036	75	961	7.2	92.8	13.9	27.6	56	44.8
Dormaa West	850	29	821	3.4	96.6	1.9	8.5	42.7	18.6
Techiman North	958	35	923	3.7	96.3	2.7	11	44.4	26.4
Banda	337	8	329	2.4	97.6	2.1	5	32.3	4.5
Sene East	476	12	464	2.5	97.5	3.6	11.3	45.4	9.9

*EPA: Environmental protection agency*

*DA: District assembly*

*GRA: Ghana Revenue authority*

*GRA: Ghana Revenue authority*



**Table A7.7: Distribution of agriculture subsector establishments in Brong Ahafo Region by district**

Region/District	Agriculture Total		Crops		Livestock		Forestry		Fishing	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Brong Ahafo</b>	<b>574</b>	<b>100.0</b>	<b>70</b>	<b>100.0</b>	<b>449</b>	<b>100.0</b>	<b>34</b>	<b>100.0</b>	<b>21</b>	<b>100.0</b>
Asunafo South	17	3.0	3	4.3	7	1.6	5	14.7	2	9.5
Asunafo North Municipal	32	5.6	5	7.1	24	5.3	2	5.9	1	4.8
Asutifi North	4	0.7	0	0.0	3	0.7	1	2.9	0	0.0
Dormaa Central Municipal	134	23.3	13	18.6	120	26.7	1	2.9	0	0.0
Dormaa East	68	11.8	4	5.7	64	14.3	0	0.0	0	0.0
Tano South	4	0.7	0	0.0	3	0.7	1	2.9	0	0.0
Tano North	19	3.3	0	0.0	14	3.1	0	0.0	5	23.8
Sunyani Municipal	97	16.9	11	15.7	69	15.4	15	44.1	2	9.5
Sunyani West	36	6.3	4	5.7	30	6.7	2	5.9	0	0.0
Berekum Municipal	15	2.6	1	1.4	14	3.1	0	0.0	0	0.0
Jaman South	14	2.4	1	1.4	13	2.9	0	0.0	0	0.0
Jaman North	4	0.7	1	1.4	3	0.7	0	0.0	0	0.0
Tain	10	1.7	6	8.6	3	0.7	1	2.9	0	0.0
Wenchi Municipal	29	5.1	6	8.6	23	5.1	0	0.0	0	0.0
Techiman Municipal	13	2.3	4	5.7	7	1.6	2	5.9	0	0.0
Nkoranza South	4	0.7	1	1.4	1	0.2	2	5.9	0	0.0
Nkoranza North	9	1.6	2	2.9	7	1.6	0	0.0	0	0.0
Atebubu Amantin	2	0.3	0	0.0	1	0.2	1	2.9	0	0.0
Sene West	2	0.3	1	1.4	1	0.2	0	0.0	0	0.0
Pru	24	4.2	0	0.0	12	2.7	1	2.9	11	52.4
Kintampo South	1	0.2	1	1.4	0	0.0	0	0.0	0	0.0
Kintampo North Municipal	5	0.9	1	1.4	4	0.9	0	0.0	0	0.0
Asutifi South	3	0.5	3	4.3	0	0.0	0	0.0	0	0.0
Dormaa West	27	4.7	2	2.9	25	5.6	0	0.0	0	0.0
Techiman North	1	0.2	0	0.0	1	0.2	0	0.0	0	0.0
Banda	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sene East	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

**Table A7.8: Number of establishments in Brong Ahafo Region by district and type of legal organization**

Region/District	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc.)	Quasi Government	Para-statal Government	Non Governmental Organization	Cooperative	Association/Groups
<b>Brong Ahafo</b>	<b>49,346</b>	<b>38,220</b>	<b>4,204</b>	<b>942</b>	<b>244</b>	<b>269</b>	<b>2,070</b>	<b>263</b>	<b>130</b>	<b>2,522</b>	<b>158</b>	<b>324</b>
Asunafo South	1,411	880	128	35	64	10	79	15	19	128	2	51
Asunafo North Municipal	2,879	2,104	277	49	25	13	95	27	4	270	4	11
Asutifi North	1,246	891	132	55	16	9	61	3	7	71	0	1
Dormaa Central Municipal	2,314	1,724	194	42	7	10	118	8	4	181	11	15
Dormaa East	1,274	965	89	12	2	2	68	3	6	111	5	11
Tano South	1,742	1,326	173	16	9	13	82	10	4	106	1	2
Tano North	1,606	1,114	245	13	6	13	92	14	3	101	4	1
Sunyani Municipal	6,764	5,458	586	309	22	55	113	17	11	125	19	49
Sunyani West	2,078	1,659	200	14	2	4	57	24	1	92	8	17
Berekum Municipal	2,814	2,475	185	62	13	3	28	7	3	27	5	6
Jaman South	2,122	1,634	174	17	5	6	111	12	12	122	8	21
Jaman North	1,420	1,025	136	14	1	10	111	16	2	85	14	6
Tain	1,189	855	95	10	4	5	110	5	3	79	7	16
Wenchi Municipal	2,067	1,652	178	49	2	8	67	8	7	76	5	15
Techiman Municipal	5,330	4,474	426	112	8	33	89	11	11	140	14	12
Nkoranza South	2,014	1,570	189	24	5	7	111	6	2	68	10	22
Nkoranza North	584	372	51	5	0	3	67	6	1	74	2	3
Atebubu Amantin	1,514	1,241	53	13	1	12	96	7	0	60	6	25
Sene West	783	603	56	5	1	0	62	6	1	39	2	8
Pru	2,106	1,715	113	14	3	8	123	3	1	110	8	8
Kintampo South	1,221	871	77	10	1	4	98	17	3	121	6	13
Kintampo North Municipal	1,211	1,034	85	23	5	6	17	0	2	35	4	0
Asutifi South	1,036	714	105	17	14	17	43	12	16	96	1	1
Dormaa West	850	615	95	6	26	5	40	4	2	47	6	4
Techiman North	958	696	115	12	0	9	48	10	0	58	4	6
Banda	337	230	20	1	2	2	31	10	4	35	2	0
Sene East	476	323	27	3	0	2	53	2	1	65	0	0

**Table A7.9: Number of establishments in Brong Ahafo Region by district and commencement year**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Brong Ahafo</b>	2,417	100.0	1,637	100.0	3,201	100.0	9,025	100.0	32,963	100.0
Asunafo South	120	5.0	64	3.9	130	4.1	337	3.7	749	2.3
Asunafo North Municipal	151	6.2	134	8.2	219	6.8	584	6.5	1,784	5.4
Asutifi North	75	3.1	34	2.1	62	1.9	191	2.1	884	2.7
Dormaa Central Municipal	165	6.8	100	6.1	154	4.8	468	5.2	1,422	4.3
Dormaa East	73	3.0	38	2.3	89	2.8	215	2.4	859	2.6
Tano South	99	4.1	65	4.0	150	4.7	301	3.3	1,123	3.4
Tano North	120	5.0	56	3.4	104	3.2	285	3.2	1,040	3.2
Sunyani Municipal	253	10.5	197	12.0	393	12.3	1,217	13.5	4,694	14.2
Sunyani West	68	2.8	36	2.2	87	2.7	325	3.6	1,557	4.7
Berekum Municipal	94	3.9	84	5.1	158	4.9	523	5.8	1,955	5.9
Jaman South	115	4.8	66	4.0	109	3.4	399	4.4	1,425	4.3
Jaman North	107	4.4	64	3.9	90	2.8	252	2.8	906	2.7
Tain	85	3.5	63	3.8	94	2.9	201	2.2	744	2.3
Wenchi Municipal	123	5.1	67	4.1	150	4.7	411	4.6	1,291	3.9
Techiman Municipal	136	5.6	126	7.7	308	9.6	1,030	11.4	3,720	11.3
Nkoranza South	104	4.3	64	3.9	112	3.5	341	3.8	1,393	4.2
Nkoranza North	63	2.6	15	0.9	34	1.1	99	1.1	373	1.1
Atebubu Amantin	61	2.5	42	2.6	99	3.1	248	2.7	1,057	3.2
Sene West	45	1.9	26	1.6	67	2.1	157	1.7	486	1.5
Pru	68	2.8	72	4.4	142	4.4	417	4.6	1,407	4.3
Kintampo South	58	2.4	55	3.4	105	3.3	185	2.0	817	2.5
Kintampo North Municipal	40	1.7	25	1.5	80	2.5	208	2.3	857	2.6
Asutifi South	74	3.1	48	2.9	62	1.9	170	1.9	682	2.1
Dormaa West	34	1.4	24	1.5	81	2.5	148	1.6	562	1.7
Techiman North	47	1.9	30	1.8	62	1.9	142	1.6	676	2.1
Banda	24	1.0	19	1.2	13	0.4	51	0.6	229	0.7
Sene East	15	0.6	23	1.4	47	1.5	120	1.3	271	0.8

**Table A7.10: Number of industry sector establishments in Brong Ahafo Region by district and commencement year**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Brong Ahafo</b>	<b>146</b>	100.0	<b>199</b>	100.0	<b>456</b>	100.0	<b>1,669</b>	100.0	<b>5,418</b>	100.0
Asunafo South	4	2.7	6	3.0	8	1.8	45	2.7	114	2.1
Asunafo North Municipal	10	6.8	7	3.5	26	5.7	97	5.8	300	5.5
Asutifi North	11	7.5	13	6.5	4	0.9	44	2.6	119	2.2
Dormaa Central Municipal	5	3.4	9	4.5	17	3.7	88	5.3	199	3.7
Dormaa East	0	0.0	3	1.5	14	3.1	31	1.9	117	2.2
Tano South	2	1.4	2	1.0	22	4.8	50	3.0	173	3.2
Tano North	6	4.1	6	3.0	12	2.6	55	3.3	212	3.9
Sunyani Municipal	27	18.5	34	17.1	71	15.6	221	13.2	749	13.8
Sunyani West	2	1.4	5	2.5	15	3.3	46	2.8	222	4.1
Berekum Municipal	11	7.5	16	8.0	27	5.9	113	6.8	295	5.4
Jaman South	3	2.1	7	3.5	10	2.2	70	4.2	215	4.0
Jaman North	2	1.4	3	1.5	7	1.5	54	3.2	140	2.6
Tain	2	1.4	5	2.5	10	2.2	34	2.0	127	2.3
Wenchi Municipal	8	5.5	9	4.5	21	4.6	75	4.5	252	4.7
Techiman Municipal	27	18.5	24	12.1	71	15.6	212	12.7	637	11.8
Nkoranza South	5	3.4	4	2.0	19	4.2	79	4.7	292	5.4
Nkoranza North	0	0.0	2	1.0	1	0.2	6	0.4	55	1.0
Atebubu Amantin	0	0.0	6	3.0	13	2.9	58	3.5	180	3.3
Sene West	2	1.4	4	2.0	13	2.9	37	2.2	77	1.4
Pru	1	0.7	13	6.5	20	4.4	74	4.4	265	4.9
Kintampo South	0	0.0	2	1.0	15	3.3	25	1.5	145	2.7
Kintampo North Municipal	11	7.5	5	2.5	16	3.5	58	3.5	168	3.1
Asutifi South	4	2.7	8	4.0	7	1.5	25	1.5	81	1.5
Dormaa West	1	0.7	3	1.5	6	1.3	24	1.4	104	1.9
Techiman North	1	0.7	2	1.0	6	1.3	27	1.6	119	2.2
Banda	0	0.0	1	0.5	1	0.2	6	0.4	26	0.5
Sene East	1	0.7	0	0.0	4	0.9	15	0.9	35	0.6

**Table A7.11: Number of services sector establishments in Brong Ahafo Region by district and commencement year**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Brong Ahafo</b>	<b>2,253</b>	100.0	<b>1,420</b>	100.0	<b>2,712</b>	100.0	<b>7,230</b>	100.0	<b>27,166</b>	100.0
Asunafo South	114	5.1	57	4.0	121	4.5	286	4.0	628	2.3
Asunafo North Municipal	141	6.3	125	8.8	190	7.0	483	6.7	1,461	5.4
Asutifi North	64	2.8	21	1.5	57	2.1	147	2.0	762	2.8
Dormaa Central Municipal	156	6.9	89	6.3	133	4.9	341	4.7	1,138	4.2
Dormaa East	73	3.2	35	2.5	74	2.7	170	2.4	689	2.5
Tano South	97	4.3	63	4.4	127	4.7	251	3.5	947	3.5
Tano North	114	5.1	49	3.5	90	3.3	229	3.2	813	3.0
Sunyani Municipal	219	9.7	160	11.3	319	11.8	979	13.5	3,878	14.3
Sunyani West	66	2.9	31	2.2	70	2.6	274	3.8	1,306	4.8
Berekum Municipal	83	3.7	67	4.7	130	4.8	407	5.6	1,650	6.1
Jaman South	112	5.0	58	4.1	99	3.7	327	4.5	1,199	4.4
Jaman North	105	4.7	61	4.3	83	3.1	197	2.7	763	2.8
Tain	83	3.7	57	4.0	83	3.1	164	2.3	612	2.3
Wenchi Municipal	113	5.0	57	4.0	129	4.8	330	4.6	1,019	3.8
Techiman Municipal	109	4.8	102	7.2	235	8.7	814	11.3	3,076	11.3
Nkoranza South	99	4.4	59	4.2	93	3.4	260	3.6	1,100	4.0
Nkoranza North	63	2.8	13	0.9	33	1.2	87	1.2	315	1.2
Atebubu Amantin	61	2.7	36	2.5	86	3.2	189	2.6	876	3.2
Sene West	42	1.9	22	1.5	54	2.0	120	1.7	408	1.5
Pru	67	3.0	55	3.9	118	4.4	340	4.7	1,129	4.2
Kintampo South	58	2.6	53	3.7	90	3.3	160	2.2	671	2.5
Kintampo North Municipal	29	1.3	20	1.4	63	2.3	150	2.1	685	2.5
Asutifi South	69	3.1	40	2.8	54	2.0	145	2.0	600	2.2
Dormaa West	32	1.4	21	1.5	70	2.6	116	1.6	445	1.6
Techiman North	46	2.0	28	2.0	56	2.1	114	1.6	557	2.1
Banda	24	1.1	18	1.3	12	0.4	45	0.6	203	0.7
Sene East	14	0.6	23	1.6	43	1.6	105	1.5	236	0.9

**Table A7.12: Number of agriculture sector establishments in Brong Ahafo Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Brong Ahafo</b>	<b>18</b>	<b>100.0</b>	<b>18</b>	<b>100.0</b>	<b>33</b>	<b>100.0</b>	<b>126</b>	<b>100.0</b>	<b>379</b>	<b>100.0</b>
Asunafo South	2	11.1	1	5.6	1	3.0	6	4.8	7	1.8
Asunafo North Municipal	0	0.0	2	11.1	3	9.1	4	3.2	23	6.1
Asutifi North	0	0.0	0	0.0	1	3.0	0	0.0	3	0.8
Dormaa Central Municipal	4	22.2	2	11.1	4	12.1	39	31.0	85	22.4
Dormaa East	0	0.0	0	0.0	1	3.0	14	11.1	53	14.0
Tano South	0	0.0	0	0.0	1	3.0	0	0.0	3	0.8
Tano North	0	0.0	1	5.6	2	6.1	1	0.8	15	4.0
Sunyani Municipal	7	38.9	3	16.7	3	9.1	17	13.5	67	17.7
Sunyani West	0	0.0	0	0.0	2	6.1	5	4.0	29	7.7
Berekum Municipal	0	0.0	1	5.6	1	3.0	3	2.4	10	2.6
Jaman South	0	0.0	1	5.6	0	0.0	2	1.6	11	2.9
Jaman North	0	0.0	0	0.0	0	0.0	1	0.8	3	0.8
Tain	0	0.0	1	5.6	1	3.0	3	2.4	5	1.3
Wenchi Municipal	2	11.1	1	5.6	0	0.0	6	4.8	20	5.3
Techiman Municipal	0	0.0	0	0.0	2	6.1	4	3.2	7	1.8
Nkoranza South	0	0.0	1	5.6	0	0.0	2	1.6	1	0.3
Nkoranza North	0	0.0	0	0.0	0	0.0	6	4.8	3	0.8
Atebubu Amantin	0	0.0	0	0.0	0	0.0	1	0.8	1	0.3
Sene West	1	5.6	0	0.0	0	0.0	0	0.0	1	0.3
Pru	0	0.0	4	22.2	4	12.1	3	2.4	13	3.4
Kintampo South	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3
Kintampo North Municipal	0	0.0	0	0.0	1	3.0	0	0.0	4	1.1
Asutifi South	1	5.6	0	0.0	1	3.0	0	0.0	1	0.3
Dormaa West	1	5.6	0	0.0	5	15.2	8	6.3	13	3.4
Techiman North	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0
Banda	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sene East	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

**Table A7.13: Distribution of persons engaged by establishments in Brong Ahafo Region by district and sector**

Region/District	Percentage of Number of Persons Engaged in				Percentage of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
<b>Brong Ahafo Region</b>	<b>230,809</b>	<b>36,933</b>	<b>188,741</b>	<b>5,135</b>	100.0	16.0	81.8	2.2
Asunafo South	5,838	761	4,883	194	100.0	13.0	83.6	3.3
Asunafo North Municipal	15,573	4,958	9,108	1,507	100.0	31.8	58.5	9.7
Asutifi North	6,340	1,669	4,640	31	100.0	26.3	73.2	0.5
Dormaa Municipal	9,695	1,032	7,878	785	100.0	10.6	81.3	8.1
Dormaa Central Municipal	5,313	743	4,108	462	100.0	14.0	77.3	8.7
Tano South	7,524	898	6,586	40	100.0	11.9	87.5	0.5
Tano North	6,909	862	5,964	83	100.0	12.5	86.3	1.2
Sunyani Municipal	34,250	4,801	28,992	457	100.0	14.0	84.6	1.3
Sunyani West	8,954	1,200	7,543	211	100.0	13.4	84.2	2.4
Berekum Municipal	10,972	2,141	8,784	47	100.0	19.5	80.1	0.4
Jaman South	9,087	1,019	8,022	46	100.0	11.2	88.3	0.5
Jaman North	8,036	761	7,247	28	100.0	9.5	90.2	0.3
Tain	5,790	933	4,796	61	100.0	16.1	82.8	1.1
Wenchi Municipal	11,856	1,297	10,413	146	100.0	10.9	87.8	1.2
Techiman Municipal	23,508	4,228	19,205	75	100.0	18.0	81.7	0.3
Nkoranza South	8,298	1,318	6,946	34	100.0	15.9	83.7	0.4
Nkoranza North	2,785	199	2,490	96	100.0	7.1	89.4	3.4
Atebubu Amantin	7,166	831	6,317	18	100.0	11.6	88.2	0.3
Sene West	4,415	546	3,546	323	100.0	12.4	80.3	7.3
Pru	8,473	1,672	6,719	82	100.0	19.7	79.3	1.0
Kintampo South	5,165	649	4,450	66	100.0	12.6	86.2	1.3
Kintampo North Municipal	5,812	986	4,791	35	100.0	17.0	82.4	0.6
Asutifi South	4,587	493	4,013	81	100.0	10.7	87.5	1.8
Dormaa West	4,917	479	4,247	191	100.0	9.7	86.4	3.9
Techiman North	5,791	1,682	4,073	36	100.0	29.0	70.3	0.6
Banda	2,003	637	1,366	-	100.0	31.8	68.2	0.0
Sene East	1,752	138	1,614	-	100.0	7.9	92.1	0.0

**Table A7.14: Distribution of persons engaged in the Brong Ahafo Region by district, sex and sector of establishment**

Region/District	Both Sexes				Male				Female			
	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture
<b>Brong Ahafo Region</b>	<b>230,809</b>	<b>36,933</b>	<b>188,741</b>	<b>5,135</b>	<b>135,884</b>	<b>21,531</b>	<b>110,516</b>	<b>3,837</b>	<b>94,925</b>	<b>15,402</b>	<b>78,225</b>	<b>1,298</b>
Asunafo South	5,838	761	4,883	194	3,994	503	3,307	184	1,844	258	1,576	10
Asunafo North Municipal	15,573	4,958	9,108	1,507	10,143	3,502	5,631	1,010	5,430	1,456	3,477	497
Asutifi North	6,340	1,669	4,640	31	3,930	1,112	2,797	21	2,410	557	1,843	10
Dormaa Municipal	9,695	1,032	7,878	785	6,165	601	4,922	642	3,530	431	2,956	143
Dormaa Central Municipal	5,313	743	4,108	462	2,973	295	2,302	376	2,340	448	1,806	86
Tano South	7,524	898	6,586	40	3,999	403	3,566	30	3,525	495	3,020	10
Tano North	6,909	862	5,964	83	3,846	520	3,255	71	3,063	342	2,709	12
Sunyani Municipal	34,250	4,801	28,992	457	20,494	3,434	16,707	353	13,756	1,367	12,285	104
Sunyani West	8,954	1,200	7,543	211	4,537	612	3,739	186	4,417	588	3,804	25
Berekum Municipal	10,972	2,141	8,784	47	6,157	1,211	4,902	44	4,815	930	3,882	3
Jaman South	9,087	1,019	8,022	46	5,080	494	4,556	30	4,007	525	3,466	16
Jaman North	8,036	761	7,247	28	4,595	358	4,213	24	3,441	403	3,034	4
Tain	5,790	933	4,796	61	3,116	354	2,719	43	2,674	579	2,077	18
Wenchi Municipal	11,856	1,297	10,413	146	6,931	670	6,158	103	4,925	627	4,255	43
Techiman Municipal	23,508	4,228	19,205	75	14,137	2,692	11,384	61	9,371	1,536	7,821	14
Nkoranza South	8,298	1,318	6,946	34	4,515	586	3,902	27	3,783	732	3,044	7
Nkoranza North	2,785	199	2,490	96	1,654	102	1,505	47	1,131	97	985	49
Atebubu Amantin	7,166	831	6,317	18	4,441	400	4,028	13	2,725	431	2,289	5
Sene West	4,415	546	3,546	323	2,921	293	2,412	216	1,494	253	1,134	107
Pru	8,473	1,672	6,719	82	5,217	915	4,241	61	3,256	757	2,478	21
Kintampo South	5,165	649	4,450	66	2,926	241	2,677	8	2,239	408	1,773	58
Kintampo North Municipal	5,812	986	4,791	35	3,329	522	2,774	33	2,483	464	2,017	2
Asutifi South	4,587	493	4,013	81	2,676	274	2,343	59	1,911	219	1,670	22
Dormaa West	4,917	479	4,247	191	2,628	242	2,223	163	2,289	237	2,024	28
Techiman North	5,791	1,682	4,073	36	2,831	532	2,267	32	2,960	1,150	1,806	4
Banda	2,003	637	1,366	0	1,501	583	918	0	502	54	448	0
Sene East	1,752	138	1,614	0	1,148	80	1,068	0	604	58	546	0



**Table A7.15: Distribution of persons engaged by establishments in Brong Ahafo Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)
<b>Brong Ahafo Region</b>	<b>230,809</b>	58.9	41.1	<b>36,933</b>	58.3	41.7	<b>188,741</b>	58.6	41.4	<b>5,135</b>	74.7	25.3
Asunafo South	5,838	68.4	31.6	761	66.1	33.9	4,883	67.7	32.3	194	94.8	5.2
Asunafo North Municipal	15,573	65.1	34.9	4,958	70.6	29.4	9,108	61.8	38.2	1,507	67.0	33.0
Asutifi North	6,340	62.0	38.0	1,669	66.6	33.4	4,640	60.3	39.7	31	67.7	32.3
Dormaa Municipal	9,695	63.6	36.4	1,032	58.2	41.8	7,878	62.5	37.5	785	81.8	18.2
Dormaa Central Municipal	5,313	56.0	44.0	743	39.7	60.3	4,108	56	44.0	462	81.4	18.6
Tano South	7,524	53.1	46.9	898	44.9	55.1	6,586	54.1	45.9	40	75.0	25.0
Tano North	6,909	55.7	44.3	862	60.3	39.7	5,964	54.6	45.4	83	85.5	14.5
Sunyani Municipal	34,250	59.8	40.2	4,801	71.5	28.5	28,992	57.6	42.4	457	77.2	22.8
Sunyani West	8,954	50.7	49.3	1,200	51	49.0	7,543	49.6	50.4	211	88.2	11.8
Berekum Municipal	10,972	56.1	43.9	2,141	56.6	43.4	8,784	55.8	44.2	47	93.6	6.4
Jaman South	9,087	55.9	44.1	1,019	48.5	51.5	8,022	56.8	43.2	46	65.2	34.8
Jaman North	8,036	57.2	42.8	761	47	53.0	7,247	58.1	41.9	28	85.7	14.3
Tain	5,790	53.8	46.2	933	37.9	62.1	4,796	56.7	43.3	61	70.5	29.5
Wenchi Municipal	11,856	58.5	41.5	1,297	51.7	48.3	10,413	59.1	40.9	146	70.5	29.5
Techiman Municipal	23,508	60.1	39.9	4,228	63.7	36.3	19,205	59.3	40.7	75	81.3	18.7
Nkoranza South	8,298	54.4	45.6	1,318	44.5	55.5	6,946	56.2	43.8	34	79.4	20.6
Nkoranza North	2,785	59.4	40.6	199	51.3	48.7	2,490	60.4	39.6	96	49.0	51.0
Atebubu Amantin	7,166	62.0	38.0	831	48.1	51.9	6,317	63.8	36.2	18	72.2	27.8
Sene West	4,415	66.2	33.8	546	53.7	46.3	3,546	68	32.0	323	66.9	33.1
Pru	8,473	61.6	38.4	1,672	54.7	45.3	6,719	63.1	36.9	82	74.4	25.6
Kintampo South	5,165	56.7	43.3	649	37.1	62.9	4,450	60.2	39.8	66	12.1	87.9
Kintampo North Municipal	5,812	57.3	42.7	986	52.9	47.1	4,791	57.9	42.1	35	94.3	5.7
Asutifi South	4,587	58.3	41.7	493	55.6	44.4	4,013	58.4	41.6	81	72.8	27.2
Dormaa West	4,917	53.4	46.6	479	50.5	49.5	4,247	52.3	47.7	191	85.3	14.7
Techiman North	5,791	48.9	51.1	1,682	31.6	68.4	4,073	55.7	44.3	36	88.9	11.1
Banda	2,003	74.9	25.1	637	91.5	8.5	1,366	67.2	32.8	-	0.0	0.0
Sene East	1,752	65.5	34.5	138	58	42.0	1,614	66.2	33.8	-	0.0	0.0

**Table A7.16: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Brong Ahafo Region</b>	<b>Total</b>	<b>74,346</b>	<b>41,817</b>	<b>22,700</b>	<b>13,170</b>	<b>9,716</b>	<b>5,655</b>	<b>11,829</b>	<b>14,269</b>	<b>12,730</b>	<b>24,577</b>
	<b>Male</b>	<b>39,916</b>	<b>25,441</b>	<b>13,638</b>	<b>8,153</b>	<b>5,732</b>	<b>3,507</b>	<b>7,414</b>	<b>9,358</b>	<b>7,733</b>	<b>14,992</b>
	<b>Female</b>	<b>34,430</b>	<b>16,376</b>	<b>9,062</b>	<b>5,017</b>	<b>3,984</b>	<b>2,148</b>	<b>4,415</b>	<b>4,911</b>	<b>4,997</b>	<b>9,585</b>
Asunafo South	Total	1,995	1,261	864	249	262	154	498	187	368	0
	Male	1,234	856	588	172	171	128	397	161	287	0
	Female	761	405	276	77	91	26	101	26	81	0
Asunafo North Municipal	Total	4,283	2,258	1,357	583	533	215	616	551	404	4,773
	Male	2,490	1,365	820	390	351	137	451	418	265	3,456
	Female	1,793	893	537	193	182	78	165	133	139	1,317
Asutifi North	Total	1,955	1,197	538	448	283	102	463	473	245	636
	Male	1,031	687	335	260	204	60	358	368	203	424
	Female	924	510	203	188	79	42	105	105	42	212
Dormaa Municipal	Total	3,278	2,261	1,209	575	213	131	557	503	398	570
	Male	1,952	1,496	747	384	127	100	389	379	298	293
	Female	1,326	765	462	191	86	31	168	124	100	277
Dormaa Central Municipal	Total	1,904	1,108	613	425	104	80	385	232	262	200
	Male	971	625	374	235	57	44	241	155	139	132
	Female	933	483	239	190	47	36	144	77	123	68
Tano South	Total	2,746	1,396	709	527	276	246	303	517	603	201
	Male	1,315	705	388	347	160	157	152	360	329	86
	Female	1,431	691	321	180	116	89	151	157	274	115
Tano North	Total	2,309	1,159	765	587	453	310	414	435	248	229
	Male	1,068	716	500	348	246	173	219	306	154	116
	Female	1,241	443	265	239	207	137	195	129	94	113
Sunyani Municipal	Total	10,520	4,591	2,431	1,735	1,270	800	1,940	2,927	2,369	5,667
	Male	5,459	3,099	1,595	1,079	734	503	1,280	1,948	1,549	3,248
	Female	5,061	1,492	836	656	536	297	660	979	820	2,419
Sunyani West	Total	3,267	1,406	936	574	555	263	810	309	834	0
	Male	1,458	761	459	309	291	126	428	214	491	0
	Female	1,809	645	477	265	264	137	382	95	343	0

**Table A7.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Berekum Municipal	Total	4,244	1,618	721	598	606	292	567	477	830	1,019
	Male	2,024	939	455	326	343	200	396	304	490	680
	Female	2,220	679	266	272	263	92	171	173	340	339
Jaman South	Total	3,120	1,853	1,252	627	406	229	323	363	145	769
	Male	1,651	1,173	741	382	211	108	217	191	100	306
	Female	1,469	680	511	245	195	121	106	172	45	463
Jaman North	Total	2,068	1,431	830	454	440	184	163	660	306	1,500
	Male	1,187	932	461	285	286	134	128	397	185	600
	Female	881	499	369	169	154	50	35	263	121	900
Tain	Total	1,800	1,283	766	183	173	131	203	446	587	218
	Male	1,055	718	394	99	97	64	43	300	279	67
	Female	745	565	372	84	76	67	160	146	308	151
Wenchi Municipal	Total	3,228	1,695	780	472	792	366	678	430	322	3,093
	Male	1,673	990	491	295	444	232	357	303	214	1,932
	Female	1,555	705	289	177	348	134	321	127	108	1,161
Techiman Municipal	Total	8,243	4,479	2,128	1,381	810	664	1,309	1,427	805	2,262
	Male	4,463	2,994	1,232	913	504	434	872	875	482	1,368
	Female	3,780	1,485	896	468	306	230	437	552	323	894
Nkoranza South	Total	2,863	1,860	884	529	337	207	451	520	417	230
	Male	1,447	957	474	301	214	122	254	339	277	130
	Female	1,416	903	410	228	123	85	197	181	140	100
Nkoranza North	Total	885	558	220	172	364	134	105	244	103	0
	Male	467	349	135	105	183	78	69	165	103	0
	Female	418	209	85	67	181	56	36	79	0	0
Atebubu Amantin	Total	2,236	1,439	856	553	373	244	500	306	659	0
	Male	1,349	819	559	352	226	148	285	244	459	0
	Female	887	620	297	201	147	96	215	62	200	0
Sene West	Total	1,230	867	460	166	129	82	34	343	156	948
	Male	760	550	292	129	93	56	26	273	118	624
	Female	470	317	168	37	36	26	8	70	38	324

**Table A7.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Pru	Total	3,141	2,331	1,185	439	205	83	185	560	121	223
	Male	1,930	1,318	736	240	148	48	126	471	94	106
	Female	1,211	1,013	449	199	57	35	59	89	27	117
Kintampo South	Total	1,768	1,452	663	333	205	28	31	176	509	0
	Male	930	851	367	234	129	18	24	56	317	0
	Female	838	601	296	99	76	10	7	120	192	0
Kintampo North Municipal	Total	1,967	910	536	432	107	238	206	88	350	978
	Male	1,055	450	313	243	71	140	128	53	224	652
	Female	912	460	223	189	36	98	78	35	126	326
Asutifi South	Total	1,518	904	526	352	216	131	202	296	442	0
	Male	849	516	332	223	114	89	106	208	239	0
	Female	669	388	194	129	102	42	96	88	203	0
Dormaa West	Total	1,217	785	443	180	124	153	409	886	520	200
	Male	702	489	273	129	68	111	174	416	146	120
	Female	515	296	170	51	56	42	235	470	374	80
Techiman North	Total	1,367	795	587	415	352	163	359	626	727	400
	Male	672	468	303	255	170	72	198	207	291	195
	Female	695	327	284	160	182	91	161	419	436	205
Banda	Total	496	398	247	45	84	25	88	159	0	461
	Male	292	280	144	26	58	25	79	140	0	457
	Female	204	118	103	19	26	0	9	19	0	4
Sene East	Total	698	522	194	136	44	0	30	128	0	0
	Male	432	338	130	92	32	0	17	107	0	0
	Female	266	184	64	44	12	0	13	21	0	0

**Table A7.17: Distribution of persons engaged by establishments in the Brong Ahafo Region by district, status of engagement and LMSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro
<b>Brong Ahafo Region</b>	<b>230,809</b>	<b>36,707</b>	<b>24,478</b>	<b>84,048</b>	<b>85,576</b>	<b>183,534</b>	<b>30,842</b>	<b>20,680</b>	<b>65,958</b>	<b>66,054</b>	<b>47,275</b>	<b>5,865</b>	<b>3,798</b>	<b>18,090</b>	<b>19,522</b>
Asunafo South	5,838	368	625	2,540	2,305	4,555	238	341	2,181	1,795	1,283	130	284	359	510
Asunafo North Municipal	15,573	5,177	1,047	4,526	4,823	12,801	4,478	907	3,616	3,800	2,772	699	140	910	1,023
Asutifi North	6,340	881	906	2,253	2,300	5,115	843	715	1,822	1,735	1,225	38	191	431	565
Dormaa Municipal	9,695	968	1,030	3,924	3,773	8,211	786	910	3,320	3,195	1,484	182	120	604	578
Dormaa Central Municipal	5,313	462	557	2,115	2,179	4,316	412	415	1,712	1,777	997	50	142	403	402
Tano South	7,524	804	670	2,939	3,111	5,508	710	555	2,071	2,172	2,016	94	115	868	939
Tano North	6,909	477	729	2,979	2,724	5,687	451	669	2,444	2,123	1,222	26	60	535	601
Sunyani Municipal	34,250	7,936	4,487	9,747	12,080	27,474	6,005	3,861	7,840	9,768	6,776	1,931	626	1,907	2,312
Sunyani West	8,954	734	1,159	3,324	3,737	6,534	544	935	2,420	2,635	2,420	190	224	904	1,102
Berekum Municipal	10,972	1,849	1,014	3,415	4,694	9,559	1,844	883	2,903	3,929	1,413	5	131	512	765
Jaman South	9,087	914	566	4,052	3,555	7,029	616	443	3,283	2,687	2,058	298	123	769	868
Jaman North	8,036	1,806	823	3,024	2,383	6,900	1,738	766	2,458	1,938	1,136	68	57	566	445
Tain	5,790	805	559	2,316	2,110	4,769	717	452	1,864	1,736	1,021	88	107	452	374
Wenchi Municipal	11,856	3,415	898	3,865	3,678	10,062	3,382	728	3,119	2,833	1,794	33	170	746	845
Techiman Municipal	23,508	3,067	2,586	8,257	9,598	17,465	2,548	2,381	5,717	6,819	6,043	519	205	2,540	2,779
Nkoranza South	8,298	547	951	3,377	3,423	6,841	547	876	2,716	2,702	1,457	0	75	661	721
Nkoranza North	2,785	103	289	1,393	1,000	2,360	103	286	1,202	769	425	0	3	191	231
Atebubu Amantin	7,166	559	876	3,155	2,576	6,069	458	796	2,747	2,068	1,097	101	80	408	508
Sene West	4,415	1,104	377	1,489	1,445	3,361	1,084	310	952	1,015	1,054	20	67	537	430
Pru	8,473	344	715	3,638	3,776	6,250	274	622	2,456	2,898	2,223	70	93	1,182	878
Kintampo South	5,165	509	207	2,406	2,043	4,102	448	135	2,008	1,511	1,063	61	72	398	532
Kintampo North Municipal	5,812	1,328	234	2,068	2,182	4,355	1,223	179	1,391	1,562	1,457	105	55	677	620
Asutifi South	4,587	442	468	1,869	1,808	3,653	440	377	1,487	1,349	934	2	91	382	459
Dormaa West	4,917	620	1,305	1,655	1,337	3,725	290	987	1,377	1,071	1,192	330	318	278	266
Techiman North	5,791	1,027	1,025	2,212	1,527	3,981	549	790	1,565	1,077	1,810	478	235	647	450
Banda	2,003	461	247	734	561	1,475	114	242	662	457	528	347	5	72	104
Sene East	1,752	0	128	776	848	1,377	0	119	625	633	375	0	9	151	215

**Table A7.18: Distribution of persons engaged in Brong Ahafo Region by district and LSM establishments**

Region/District	Number of Persons engaged					Percentage distribution by size				
	All					All				
	Establishment	Large	Medium	Small	Micro	Establishment	Large	Medium	Small	Micro
<b>Brong Ahafo Region</b>	<b>230,809</b>	<b>36,707</b>	<b>24,478</b>	<b>84,048</b>	<b>85,576</b>	<b>100.0</b>	<b>15.9</b>	<b>10.6</b>	<b>36.4</b>	<b>37.1</b>
Asunafo South	5,838	368	625	2,540	2,305	100.0	6.3	10.7	43.5	39.5
Asunafo North Municipal	15,573	5,177	1,047	4,526	4,823	100.0	33.2	6.7	29.1	31.0
Asutifi North	6,340	881	906	2,253	2,300	100.0	13.9	14.3	35.5	36.3
Dormaa Municipal	9,695	968	1,030	3,924	3,773	100.0	10.0	10.6	40.5	38.9
Dormaa Central Municipal	5,313	462	557	2,115	2,179	100.0	8.7	10.5	39.8	41.0
Tano South	7,524	804	670	2,939	3,111	100.0	10.7	8.9	39.1	41.3
Tano North	6,909	477	729	2,979	2,724	100.0	6.9	10.6	43.1	39.4
Sunyani Municipal	34,250	7,936	4,487	9,747	12,080	100.0	23.2	13.1	28.5	35.3
Sunyani West	8,954	734	1,159	3,324	3,737	100.0	8.2	12.9	37.1	41.7
Berekum Municipal	10,972	1,849	1,014	3,415	4,694	100.0	16.9	9.2	31.1	42.8
Jaman South	9,087	914	566	4,052	3,555	100.0	10.1	6.2	44.6	39.1
Jaman North	8,036	1,806	823	3,024	2,383	100.0	22.5	10.2	37.6	29.7
Tain	5,790	805	559	2,316	2,110	100.0	13.9	9.7	40.0	36.4
Wenchi Municipal	11,856	3,415	898	3,865	3,678	100.0	28.8	7.6	32.6	31.0
Techiman Municipal	23,508	3,067	2,586	8,257	9,598	100.0	13.0	11.0	35.1	40.8
Nkoranza South	8,298	547	951	3,377	3,423	100.0	6.6	11.5	40.7	41.3
Nkoranza North	2,785	103	289	1,393	1,000	100.0	3.7	10.4	50.0	35.9
Atebubu Amantin	7,166	559	876	3,155	2,576	100.0	7.8	12.2	44.0	35.9
Sene West	4,415	1,104	377	1,489	1,445	100.0	25.0	8.5	33.7	32.7
Pru	8,473	344	715	3,638	3,776	100.0	4.1	8.4	42.9	44.6
Kintampo South	5,165	509	207	2,406	2,043	100.0	9.9	4.0	46.6	39.6
Kintampo North Municipal	5,812	1,328	234	2,068	2,182	100.0	22.8	4.0	35.6	37.5
Asutifi South	4,587	442	468	1,869	1,808	100.0	9.6	10.2	40.7	39.4
Dormaa West	4,917	620	1,305	1,655	1,337	100.0	12.6	26.5	33.7	27.2
Techiman North	5,791	1,027	1,025	2,212	1,527	100.0	17.7	17.7	38.2	26.4
Banda	2,003	461	247	734	561	100.0	23.0	12.3	36.6	28.0
Sene East	1,752	0	128	776	848	100.0	0.0	7.3	44.3	48.4

**Table A7.19: Distribution of persons engaged in Brong Ahafo Region by district and LSM establishments**

Region/District	All persons			Large			Medium			Small			Micro		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Brong Ahafo Region</b>	<b>230,809</b>	79.5	20.5	<b>36,707</b>	84.0	16.0	<b>24,478</b>	84.5	15.5	<b>84,048</b>	78.5	21.5	<b>85,576</b>	77.2	22.8
Asunafo South	5,838	78.0	22.0	368	64.7	35.3	625	54.6	45.4	2,540	85.9	14.1	2,305	77.9	22.1
Asunafo North Municipal	15,573	82.2	17.8	5,177	86.5	13.5	1,047	86.6	13.4	4,526	79.9	20.1	4,823	78.8	21.2
Asutifi North	6,340	80.7	19.3	881	95.7	4.3	906	78.9	21.1	2,253	80.9	19.1	2,300	75.4	24.6
Dormaa Municipal	9,695	84.7	15.3	968	81.2	18.8	1,030	88.3	11.7	3,924	84.6	15.4	3,773	84.7	15.3
Dormaa Central Municipal	5,313	81.2	18.8	462	89.2	10.8	557	74.5	25.5	2,115	80.9	19.1	2,179	81.6	18.4
Tano South	7,524	73.2	26.8	804	88.3	11.7	670	82.8	17.2	2,939	70.5	29.5	3,111	69.8	30.2
Tano North	6,909	82.3	17.7	477	94.5	5.5	729	91.8	8.2	2,979	82.0	18.0	2,724	77.9	22.1
Sunyani Municipal	34,250	80.2	19.8	7,936	75.7	24.3	4,487	86.0	14.0	9,747	80.4	19.6	12,080	80.9	19.1
Sunyani West	8,954	73.0	27.0	734	74.1	25.9	1,159	80.7	19.3	3,324	72.8	27.2	3,737	70.5	29.5
Berekum Municipal	10,972	87.1	12.9	1,849	99.7	0.3	1,014	87.1	12.9	3,415	85.0	15.0	4,694	83.7	16.3
Jaman South	9,087	77.4	22.6	914	67.4	32.6	566	78.3	21.7	4,052	81.0	19.0	3,555	75.6	24.4
Jaman North	8,036	85.9	14.1	1,806	96.2	3.8	823	93.1	6.9	3,024	81.3	18.7	2,383	81.3	18.7
Tain	5,790	82.4	17.6	805	89.1	10.9	559	80.9	19.1	2,316	80.5	19.5	2,110	82.3	17.7
Wenchi Municipal	11,856	84.9	15.1	3,415	99.0	1.0	898	81.1	18.9	3,865	80.7	19.3	3,678	77.0	23.0
Techiman Municipal	23,508	74.3	25.7	3,067	83.1	16.9	2,586	92.1	7.9	8,257	69.2	30.8	9,598	71.0	29.0
Nkoranza South	8,298	82.4	17.6	547	100.0	0.0	951	92.1	7.9	3,377	80.4	19.6	3,423	78.9	21.1
Nkoranza North	2,785	84.7	15.3	103	100.0	0.0	289	99.0	1.0	1,393	86.3	13.7	1,000	76.9	23.1
Atebubu Amantin	7,166	84.7	15.3	559	81.9	18.1	876	90.9	9.1	3,155	87.1	12.9	2,576	80.3	19.7
Sene West	4,415	76.1	23.9	1,104	98.2	1.8	377	82.2	17.8	1,489	63.9	36.1	1,445	70.2	29.8
Pru	8,473	73.8	26.2	344	79.7	20.3	715	87.0	13.0	3,638	67.5	32.5	3,776	76.7	23.3
Kintampo South	5,165	79.4	20.6	509	88.0	12.0	207	65.2	34.8	2,406	83.5	16.5	2,043	74.0	26.0
Kintampo North Municipal	5,812	74.9	25.1	1,328	92.1	7.9	234	76.5	23.5	2,068	67.3	32.7	2,182	71.6	28.4
Asutifi South	4,587	79.6	20.4	442	99.5	0.5	468	80.6	19.4	1,869	79.6	20.4	1,808	74.6	25.4
Dormaa West	4,917	75.8	24.2	620	46.8	53.2	1,305	75.6	24.4	1,655	83.2	16.8	1,337	80.1	19.9
Techiman North	5,791	68.7	31.3	1,027	53.5	46.5	1,025	77.1	22.9	2,212	70.8	29.2	1,527	70.5	29.5
Banda	2,003	73.6	26.4	461	24.7	75.3	247	98.0	2.0	734	90.2	9.8	561	81.5	18.5
Sene East	1,752	78.6	21.4	0	0.0	0.0	128	93.0	7.0	776	80.5	19.5	848	74.6	25.4

**Table A7.20: Distribution of persons engaged in establishments in Brong Ahafo Region by district and type of legal**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											
		Overall	Sole Proprietorship	Partner- ship	Private Limited Company by Gurantee	Public Limited Company	Statutory	Other Govern- mental Institutions (MDAs)	Quasi Govern- ment	Para- statal Govern- ment	Non Govern- mental Organiza- tion (NGO)	Coope- rative	Associa- tion/ Groups
Brong Ahafo Region	230,809	100.0	51.1	9.1	6.5	1.1	3.0	16.8	2.2	0.5	7.9	0.8	1.2
Asunafo South	5,838	100.0	40.6	9.1	3.1	4.7	2.0	19.4	3.7	2.8	7.6	0.1	7.0
Asunafo North Municipal	15,573	100.0	40.1	7.2	31.9	1.1	1.2	7.9	3.8	0.1	6.0	0.1	0.6
Asutifi North	6,340	100.0	43.7	10.4	20.0	0.4	2.9	12.9	0.2	0.1	9.1	0.0	0.1
Dormaa Central Municipal	9,695	100.0	56.8	9.3	4.2	0.4	0.5	17.2	1.1	0.1	8.9	0.9	0.7
Dormaa East	5,313	100.0	50.0	8.0	4.2	3.0	0.3	21.3	0.9	0.3	10.6	0.4	1.1
Tano South	7,524	100.0	49.8	6.4	2.1	2.5	2.6	22.4	4.1	0.1	9.7	0.1	0.1
Tano North	6,909	100.0	43.3	10.7	1.3	0.3	4.2	24.5	3.9	0.1	10.5	1.1	0.0
Sunyani Municipal	34,250	100.0	50.4	10.1	9.5	1.7	5.6	14.5	2.6	0.2	3.3	0.4	1.5
Sunyani West	8,954	100.0	54.2	7.6	2.5	0.1	0.3	14.4	4.9	0.0	12.6	0.7	2.8
Berekum Municipal	10,972	100.0	72.7	6.7	5.9	1.5	0.1	8.6	0.9	0.3	1.3	1.7	0.3
Jaman South	9,087	100.0	48.7	6.1	4.0	0.4	0.6	19.0	1.0	1.1	16.3	0.7	2.1
Jaman North	8,036	100.0	38.9	25.3	2.0	0.1	2.3	16.0	3.7	0.2	8.7	1.9	0.6
Tain	5,790	100.0	44.5	5.3	4.9	4.2	6.1	20.9	2.5	0.2	8.7	0.7	2.0
Wenchi Municipal	11,856	100.0	44.1	8.0	3.0	0.1	6.4	29.5	1.4	1.1	5.4	0.4	0.5
Techiman Municipal	23,508	100.0	64.1	8.5	5.1	0.3	5.3	8.1	0.7	0.2	5.7	1.7	0.4
Nkoranza South	8,298	100.0	59.1	7.1	2.2	0.9	0.7	19.3	0.8	0.0	6.8	1.1	2.1
Nkoranza North	2,785	100.0	33.2	4.5	0.5	0.0	0.6	38.7	1.7	0.0	19.9	0.4	0.4
Atebubu Amantin	7,166	100.0	52.7	3.8	1.5	0.0	3.7	27.2	3.5	0.0	4.0	0.7	2.9
Sene West	4,415	100.0	47.8	3.9	1.0	0.2	0.0	34.6	3.3	0.5	6.7	0.5	1.3
Pru	8,473	100.0	62.0	6.5	1.7	0.4	2.8	17.1	0.2	0.2	7.3	1.3	0.6
Kintampo South	5,165	100.0	44.2	5.4	1.1	0.0	3.0	22.5	1.5	0.5	20.3	0.5	1.1
Kintampo North Municipal	5,812	100.0	71.9	4.9	3.9	1.0	1.3	10.4	0.0	0.4	5.9	0.5	0.0
Asutifi South	4,587	100.0	40.4	8.1	2.6	1.5	5.0	12.8	3.2	7.4	16.0	0.2	2.7
Dormaa West	4,917	100.0	41.8	23.2	1.0	3.0	0.7	17.8	0.4	1.4	8.4	1.8	0.4
Techiman North	5,791	100.0	44.6	16.8	2.9	0.0	1.2	16.5	3.3	0.0	13.9	0.3	0.5
Banda	2,003	100.0	26.3	25.2	0.4	0.5	5.3	20.8	5.0	2.0	13.8	0.7	0.0
Sene East	1,752	100.0	42.8	5.1	1.7	0.0	1.1	28.0	2.7	0.4	18.2	0.0	0.0



**Table A8.1: Distribution of establishments by sector and districts, Northern Region**

Region/District	All Sectors		Industry		Service		Agriculture		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	All sectors	Industry	Services	Agriculture
<b>Northern Region</b>	<b>39,975</b>	<b>100.0</b>	<b>8,662</b>	<b>100.0</b>	<b>31,108</b>	<b>100.0</b>	<b>205</b>	<b>100.0</b>	<b>100.0</b>	<b>21.7</b>	<b>77.8</b>	<b>0.5</b>
Bole	1,321	3.3	185	2.1	1,134	3.6	2	1.0	100.0	14.0	85.8	0.2
Sawla-Tuna-Kalba	974	2.4	228	2.6	736	2.4	10	4.9	100.0	23.4	75.6	1
West Gonja	681	1.7	130	1.5	550	1.8	1	0.5	100.0	19.1	80.8	0.1
Gonja Central	1,156	2.9	236	2.7	918	3.0	2	1.0	100.0	20.4	79.4	0.2
East Gonja	1,503	3.8	287	3.3	1,213	3.9	3	1.5	100.0	19.1	80.7	0.2
Kpandai	1,072	2.7	208	2.4	863	2.8	1	0.5	100.0	19.4	80.5	0.1
Nanumba South	790	2.0	162	1.9	627	2.0	1	0.5	100.0	20.5	79.4	0.1
Nanumba North	1,321	3.3	293	3.4	1,027	3.3	1	0.5	100.0	22.2	77.7	0.1
Zabzugu	759	1.9	181	2.1	578	1.9	-	-	100.0	23.8	76.2	-
Yendi Municipal	1,961	4.9	469	5.4	1,487	4.8	5	2.4	100.0	23.9	75.8	0.3
Tamale Metropolis	9,920	24.8	2,142	24.7	7,751	24.9	27	13.2	100.0	21.6	78.1	0.3
Tolon	1,143	2.9	212	2.4	922	3.0	9	4.4	100.0	18.5	80.7	0.8
Savelugu-Nanton	1,204	3.0	201	2.3	998	3.2	5	2.4	100.0	16.7	82.9	0.4
Karaga	1,287	3.2	282	3.3	982	3.2	23	11.2	100.0	21.9	76.3	1.8
Gushiegu	1,198	3.0	421	4.9	774	2.5	3	1.5	100.0	35.1	64.6	0.3
Saboba	1,001	2.5	286	3.3	710	2.3	5	2.4	100.0	28.6	70.9	0.5
Chereponi	723	1.8	164	1.9	556	1.8	3	1.5	100.0	22.7	76.9	0.4
Bunkpurugu Yunyoo	1,318	3.3	305	3.5	1,008	3.2	5	2.4	100.0	23.1	76.5	0.4
East Mamprusi	1,402	3.5	203	2.3	1,155	3.7	44	21.5	100.0	14.5	82.4	3.1
West Mamprusi	2,266	5.7	542	6.3	1,721	5.5	3	1.5	100.0	23.9	75.9	0.1
North Gonja	496	1.2	131	1.5	365	1.2	-	-	100.0	26.4	73.6	0.0
Kumbungu	939	2.3	193	2.2	742	2.4	4	2.0	100.0	20.6	79.0	0.4
Sagnerigu Municipal	3,650	9.1	726	8.4	2,889	9.3	35	17.1	100.0	19.9	79.2	1.0
Mion	739	1.8	122	1.4	604	1.9	13	6.3	100.0	16.5	81.7	1.8
Tatale Sanguli	643	1.6	193	2.2	450	1.4	-	-	100.0	30.0	70.0	0.0
Mamprugu Moagduri	508	1.3	160	1.8	348	1.1	-	-	100.0	31.5	68.5	0.0

**Table A8.2: Distribution of industry subsector establishments in Northern Region by district**

Region/District	Industry Total		Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Northern Region</b>	8,662	100.0	<b>8,274</b>	100.0	2	100	38	100.0	82	100.0	266	100.0
Bole	185	2.1	182	2.2	0	0.0	2	5.3	0	0.0	1	0.4
Sawla-Tuna-Kalba	228	2.6	221	2.7	0	0.0	0	0.0	1	1.2	6	2.3
West Gonja	130	1.5	125	1.5	0	0.0	1	2.6	1	1.2	3	1.1
Gonja Central	236	2.7	230	2.8	0	0.0	2	5.3	1	1.2	3	1.1
East Gonja	287	3.3	282	3.4	0	0.0	1	2.6	3	3.7	1	0.4
Kpandai	208	2.4	202	2.4	0	0.0	0	0.0	4	4.9	2	0.8
Nanumba South	162	1.9	160	1.9	0	0.0	0	0.0	0	0.0	2	0.8
Nanumba North	2930	3.4	280	3.4	0	0.0	1	2.6	5	6.1	7	2.6
Zabzugu	181	2.1	167	2.0	0	0.0	2	5.3	4	4.9	8	3.0
Yendi Municipal	469	5.4	452	5.5	0	0.0	1	2.6	8	9.8	8	3.0
Tamale Metropolis	2,142	24.7	1,948	23.5	1	50.0	14	36.8	18	22.0	161	60.5
Tolon	2120	2.4	189	2.3	0	0.0	1	2.6	8	9.8	14	5.3
Savelugu-Nanton	201	2.3	195	2.4	0	0.0	3	7.9	1	1.2	2	0.8
Karaga	282	3.3	278	3.4	0	0.0	0	0.0	4	4.9	0	0.0
Gushiegu	421	4.9	420	5.1	0	0.0	0	0.0	0	0.0	1	0.4
Saboba	286	3.3	283	3.4	0	0.0	1	2.6	2	2.4	0	0.0
Chereponi	164	1.9	163	2.0	0	0.0	0	0.0	0	0.0	1	0.4
Bunkpurugu Yunyoo	305	3.5	303	3.7	0	0.0	0	0.0	0	0.0	2	0.8
East Mamprusi	203	2.3	193	2.3	0	0.0	1	2.6	3	3.7	6	2.3
West Mamprusi	542	6.3	524	6.3	0	0.0	4	10.5	7	8.5	7	2.6
North Gonja	131	1.5	131	1.6	0	0.0	0	0.0	0	0.0	0	0.0
Kumbungu	193	2.2	183	2.2	0	0.0	1	2.6	5	6.1	4	1.5
Sagnerigu Municipal	726	8.4	705	8.5	1	50.0	3	7.9	5	6.1	12	4.5
Mion	122	1.4	121	1.5	0	0.0	0	0.0	1	1.2	0	0.0
Tatale Sanguli	193	2.2	179	2.2	0	0.0	0	0.0	1	1.2	13	4.9
Mamprugu Moagduri	160	1.8	158	1.9	0	0.0	0	0.0	0	0.0	2	0.8

**Table A8.3: Distribution of services subsector establishments in Northern region by district**

Region/District	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Professional, Scientific and Technical	Administrative and support Service Activity	Public Administration and Defence	Edu-cat-ion	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services	Extraterritorial Organisations	Services Total
<b>Northern Region</b>	<b>16,687</b>	<b>83</b>	<b>2,548</b>	<b>127</b>	<b>252</b>	<b>4</b>	<b>189</b>	<b>277</b>	<b>258</b>	<b>2,861</b>	<b>401</b>	<b>103</b>	<b>7,304</b>	<b>14</b>	<b>31,108</b>
Bole	675	3	157	3	14	0	9	5	16	92	21	3	136	0	1,134
Sawla-Tuna-Kalba	339	0	93	1	3	0	4	4	3	115	15	0	159	0	736
West Gonja	289	1	52	1	9	0	4	10	8	50	10	8	108	0	550
Gonja Central	493	3	48	4	6	0	1	7	6	93	20	1	235	1	918
East Gonja	577	5	84	2	7	0	3	9	10	151	15	3	347	0	1,213
Kpandai	354	2	115	4	2	0	1	4	10	108	12	1	250	0	863
Nanumba South	236	3	113	1	2	0	2	3	4	108	11	3	141	0	627
Nanumba North	495	0	90	4	9	0	10	2	5	123	14	4	271	0	1,027
Zabzugu	262	2	45	5	3	0	3	3	13	72	9	3	157	1	578
Yendi Municipal	818	1	81	5	9	0	16	11	14	132	18	1	381	0	1,487
Tamale Metropolis	5,562	25	438	62	112	3	71	92	49	229	49	47	1,011	1	7,751
Tolon	375	3	67	0	6	0	5	9	9	102	14	1	330	1	922
Savelugu-Nanton	453	2	37	1	7	0	1	8	8	120	21	1	339	0	998
Karaga	448	0	57	0	4	0	8	2	5	120	15	1	321	1	982
Gushiegu	380	3	64	0	3	0	5	4	10	114	13	0	178	0	774
Saboba	267	0	72	3	6	0	3	4	12	118	12	3	209	1	710
Chereponi	166	1	29	1	3	0	2	3	11	71	11	0	258	0	556
Bunkpurugu Yunyoo	364	4	181	2	7	0	6	9	12	165	15	2	241	0	1,008
East Mamprusi	593	8	109	2	6	0	2	11	19	109	15	0	281	0	1,155
West Mamprusi	806	6	136	5	7	0	7	11	9	143	20	8	563	0	1,721
North Gonja	140	0	45	0	1	0	0	0	0	45	3	0	131	0	365
Kumbungu	275	5	21	2	2	0	0	3	7	94	7	1	325	0	742
Sagnerigu Municipal	1,689	3	266	18	22	1	23	56	8	202	34	11	548	8	2,889
Mion	252	2	36	0	0	0	0	2	1	74	11	0	226	0	604
Tatale Sanguli	157	1	80	1	1	0	3	4	8	74	9	1	111	0	450
Mamprugu Moagduri	222	0	32	0	1	0	0	1	1	37	7	0	47	0	348

*Note: There are no persons engaged by household employers' establishments*

**Table A8.4: Distribution of agriculture subsector establishments in Northern Region by district**

Region/District	Agriculture Total		Crops		Livestock		Forestry		Fishing	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Northern Region</b>	<b>205</b>	<b>100.0</b>	<b>46</b>	<b>100.0</b>	<b>149</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>
Bole	2	1.0	1	2.2	1	0.7	0	0.0	0	0.0
Sawla-Tuna-Kalba	10	4.9	0	0.0	10	6.7	0	0.0	0	0.0
West Gonja	1	0.5	0	0.0	1	0.7	0	0.0	0	0.0
Gonja Central	2	1.0	2	4.3	0	0.0	0	0.0	0	0.0
East Gonja	3	1.5	1	2.2	0	0.0	0	0.0	2	50.0
Kpandai	1	0.5	1	2.2	0	0.0	0	0.0	0	0.0
Nanumba South	1	0.5	0	0.0	1	0.7	0	0.0	0	0.0
Nanumba North	1	0.5	1	2.2	0	0.0	0	0.0	0	0.0
Zabzugu	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yendi Municipal	5	2.4	1	2.2	3	2.0	1	16.7	0	0.0
Tamale Metropolis	27	13.2	9	19.6	17	11.4	0	0.0	1	25.0
Tolon	9	4.4	1	2.2	8	5.4	0	0.0	0	0.0
Savelugu-Nanton	5	2.4	3	6.5	2	1.3	0	0.0	0	0.0
Karaga	23	11.2	0	0.0	23	15.4	0	0.0	0	0.0
Gushiegu	3	1.5	0	0.0	3	2.0	0	0.0	0	0.0
Saboba	5	2.4	2	4.3	3	2.0	0	0.0	0	0.0
Chereponi	3	1.5	3	6.5	0	0.0	0	0.0	0	0.0
Bunkpurugu Yunyoo	5	2.4	3	6.5	2	1.3	0	0.0	0	0.0
East Mamprusi	44	21.5	3	6.5	41	27.5	0	0.0	0	0.0
West Mamprusi	3	1.5	1	2.2	0	0.0	2	33.3	0	0.0
North Gonja	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kumbungu	4	2.0	2	4.3	2	1.3	0	0.0	0	0.0
Sagnerigu Municipal	35	17.1	7	15.2	24	16.1	3	50.0	1	25.0
Mion	13	6.3	5	10.9	8	5.4	0	0.0	0	0.0
Tatale Sanguli	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mamprugu Moagduri	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

**Table A8.5: Number of establishments in Northern Region by district and LMSM**

Region/District	Total		Large-sized		Medium-sized		Small-sized		Micro-sized	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Northern Region</b>	<b>39,975</b>	100.0	<b>84</b>	100.0	<b>283</b>	100.0	<b>7,282</b>	100.0	<b>32,326</b>	100.0
Bole	1,321	3.3	4	4.8	2	0.7	199	2.7	1,116	3.5
Sawla-Tuna-Kalba	974	2.4	2	2.4	5	1.8	151	2.1	816	2.5
West Gonja	681	1.7	4	4.8	5	1.8	138	1.9	534	1.7
Gonja Central	1,156	2.9	3	3.6	7	2.5	196	2.7	950	2.9
East Gonja	1,503	3.8	3	3.6	6	2.1	250	3.4	1,244	3.8
Kpandai	1,072	2.7	1	1.2	5	1.8	241	3.3	825	2.6
Nanumba South	790	2.0	-	0.0	8	2.8	199	2.7	583	1.8
Nanumba North	1,321	3.3	-	0.0	3	1.1	292	4.0	1,026	3.2
Zabzugu	759	1.9	2	2.4	4	1.4	163	2.2	590	1.8
Yendi Municipal	1,961	4.9	2	2.4	13	4.6	492	6.8	1,454	4.5
Tamale Metropolis	9,920	24.8	28	33.3	81	28.6	1,823	25.0	7,988	24.7
Tolon	1,143	2.9	2	2.4	9	3.2	272	3.7	860	2.7
Savelugu Nanton	1,204	3.0	3	3.6	12	4.2	276	3.8	913	2.8
Karaga	1,287	3.2	-	0.0	1	0.4	174	2.4	1,112	3.4
Gushiegu	1,198	3.0	2	2.4	5	1.8	159	2.2	1,032	3.2
Saboba	1,001	2.5	1	1.2	5	1.8	142	2.0	853	2.6
Chereponi	723	1.8	2	2.4	5	1.8	150	2.1	566	1.8
Bunkpurugu Yonyo	1,318	3.3	1	1.2	8	2.8	207	2.8	1,102	3.4
Mamprusi East	1,402	3.5	-	0.0	3	1.1	54	0.7	1,345	4.2
Mamprusi West	2,266	5.7	3	3.6	10	3.5	377	5.2	1,876	5.8
North Gonja	496	1.2	7	8.3	1	0.4	64	0.9	424	1.3
Kumbungu	939	2.3	3	3.6	19	6.7	253	3.5	664	2.1
Sagnerigu Municipal	3,650	9.1	11	13.1	57	20.1	713	9.8	2,869	8.9
Mion	739	1.8	-	0.0	2	0.7	130	1.8	607	1.9
Tatale	643	1.6	-	0.0	5	1.8	100	1.4	538	1.7
Mamprugu Moagduri	508	1.3	-	0.0	2	0.7	67	0.9	439	1.4

**Table A8.6: Distribution of establishments in Northern Region by district and size**

Regions/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Northern</b>	<b>39,975</b>	<b>29,753</b>	<b>7,159</b>	<b>1,729</b>	<b>530</b>	<b>255</b>	<b>138</b>	<b>202</b>	<b>124</b>	<b>54</b>	<b>31</b>
Bole	1,321	1,055	190	44	13	9	4	1	1	4	0
Sawla-Tuna-Kalba	974	766	148	39	9	4	1	3	2	0	2
West Gonja	681	478	138	29	12	10	4	5	1	4	0
Gonja Central	1,156	881	188	60	4	9	1	7	3	2	1
East Gonja	1,503	1,157	242	70	13	10	1	5	2	2	1
Kpandai	1,072	723	278	46	13	3	2	3	3	1	0
Nanumba South	790	539	175	48	13	2	3	8	2	0	0
Nanumba North	1,321	938	283	66	18	7	3	4	2	0	0
Zabzugu	759	516	183	40	10	2	2	3	1	2	0
Yendi Municipal	1,961	1,294	451	145	35	13	8	8	5	1	1
Tamale Metropolis	9,920	7,287	1,707	474	181	93	47	71	31	17	12
Tolon	1,143	775	262	64	13	13	5	2	7	0	2
Savelugu-Nanton	1,204	837	257	63	17	9	5	7	6	2	1
Karaga	1,287	1,027	227	22	4	4	2	1	0	0	0
Gushiegu	1,198	957	181	37	11	4	1	3	2	1	1
Saboba	1,001	795	154	34	9	0	2	2	4	1	0
Chereponi	723	506	176	27	5	1	1	2	3	2	0
Bunkpurugu Yunyoo	1,318	1,028	217	42	14	4	3	4	5	0	1
East Mamprusi	1,402	1,324	63	6	4	1	1	1	2	0	0
West Mamprusi	2,266	1,745	395	77	21	5	8	7	5	2	1
North Gonja	496	400	74	11	2	1	0	0	1	3	4
Kumbungu	939	592	246	57	15	3	3	9	11	3	0
Sagnerigu Municipal	3,650	2,681	569	173	82	46	27	43	18	7	4
Mion	739	545	168	17	5	0	2	1	1	0	0
Tatale Sanguli	643	502	108	22	3	0	2	2	4	0	0
Mamprugu Moagduri	508	405	79	16	4	2	0	0	2	0	0

**Table A8.7: Number of establishments in Northern Region by type of institutional registration**

Regions/District	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
<b>Northern Region</b>	<b>39,975</b>	<b>1761</b>	<b>38,214</b>	<b>4.4</b>	<b>95.6</b>	<b>1.6</b>	<b>8.9</b>	<b>25.7</b>	<b>14.2</b>
Bole	1,321	49	1,272	3.7	96.3	1.7	5.8	30.7	23.3
Sawla-Tuna-Kalba	974	23	951	2.4	97.6	3.1	4.6	13.4	4.9
West Gonja	681	26	655	3.8	96.2	2.2	6.3	24.1	7.3
Gonja Central	1,156	33	1,123	2.9	97.1	1.3	6.6	16.9	4.6
East Gonja	1,503	12	1,491	0.8	99.2	1.1	1.9	7.2	1.9
Kpandai	1,072	47	1,025	4.4	95.6	1.0	9.1	23.4	5.5
Nanumba South	790	29	761	3.7	96.3	0.8	5.3	23.0	7.2
Nanumba North	1,321	39	1,282	3.0	97.0	1.9	7.0	18.2	13.2
Zabzugu	759	27	732	3.6	96.4	1.3	5.1	32.3	7.9
Yendi Municipal	1,961	100	1,861	5.1	94.9	1.2	7.3	35.4	23.7
Tamale Metropolis	9,920	856	9,064	8.6	91.4	2.3	17.3	45.4	32.0
Tolon	1,143	24	1,119	2.1	97.9	0.6	5.7	12.4	2.7
Savelugu Nanton	1,204	33	1,171	2.7	97.3	2.2	5.4	30.0	4.6
Karaga	1,287	7	1,280	0.5	99.5	1.2	1.3	7.5	2.3
Gushiegu	1,198	35	1,163	2.9	97.1	1.1	6.3	13.8	4.3
Saboba	1,001	26	975	2.6	97.4	0.0	3.8	21.2	4.1
Chereponi	723	17	706	2.4	97.6	2.2	4.3	21.0	5.1
Bunkpurugu Yonyo	1,318	27	1,291	2.0	98.0	0.5	5.2	14.6	4.6
Mamprusi East	1,402	37	1,365	2.6	97.4	0.7	4.1	5.8	4.4
Mamprusi West	2,266	65	2,201	2.9	97.1	2.0	6.1	19.7	5.1
North Gonja	496	2	494	0.4	99.6	0.0	1.2	9.5	1.2
Kumbungu	939	14	925	1.5	98.5	0.7	6.7	6.8	1.5
Sagnerigu Municipal	3,650	205	3,445	5.6	94.4	2.2	12.8	29.3	17.6
Mion	739	8	731	1.1	98.9	0.5	2.6	5.4	1.1
Tatale	643	19	624	3.0	97.0	0.2	3.4	9.3	4.0
Mamprugu Moagduri	508	1	507	0.2	99.8	0.8	1.0	5.5	0.4

*DA: District assembly**RGD: Register general department**GRA: Ghana Revenue authority**EPA: Environmental protection agency*

**Table A8.8: Number of establishments in Northern Region by district and type of legal organization**

Region/District	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc)	Quasi Government	Para-statal Government	Non Governmental Organization	Cooperative	Association/ Groups
<b>Northern</b>	<b>39,975</b>	<b>29,574</b>	<b>2,767</b>	<b>559</b>	<b>121</b>	<b>121</b>	<b>2,817</b>	<b>131</b>	<b>25</b>	<b>1,584</b>	<b>59</b>	<b>2,217</b>
Bole	1,321	1,015	84	14	8	4	123	5	0	48	2	18
Sawla-Tuna-Kalba	974	680	80	10	1	14	91	9	0	26	0	63
West Gonja	681	426	62	6	4	1	104	2	0	9	2	65
Gonja Central	1,156	875	60	12	6	4	92	8	2	23	3	71
East Gonja	1,503	1,100	37	6	4	11	138	0	0	15	1	191
Kpandai	1,072	745	43	5	1	3	89	9	0	107	3	67
Nanumba South	790	535	58	18	1	1	132	7	0	26	0	12
Nanumba North	1,321	990	60	9	1	3	97	7	1	51	3	99
Zabzugu	759	516	31	11	1	2	79	4	1	12	2	100
Yendi Municipal	1,961	1,526	96	22	18	22	112	4	3	15	2	141
Tamale Metropolis	9,920	8,548	551	337	35	18	177	8	5	91	18	132
Tolon	1,143	667	89	1	2	3	115	5	1	159	0	101
Savelugu-Nanton	1,204	756	77	12	6	5	110	5	1	103	4	125
Karaga	1,287	716	255	2	0	0	130	3	0	69	0	112
Gushiegu	1,198	912	29	2	0	3	132	0	0	29	1	90
Saboba	1,001	738	21	2	7	5	114	4	3	70	1	36
Chereponi	723	415	7	4	1	2	64	6	2	8	0	214
Bunkpurugu Yunyoo	1,318	914	44	6	0	5	165	2	0	100	8	74
East Mamprusi	1,402	825	344	4	0	0	184	0	0	13	1	31
West Mamprusi	2,266	1,707	73	13	2	3	133	7	1	257	2	68
North Gonja	496	319	17	1	0	1	45	1	0	0	0	112
Kumbungu	939	496	158	2	2	3	94	2	1	82	0	99
Sagnerigu Municipal	3,650	2,891	313	55	20	4	136	10	3	104	3	111
Mion	739	424	79	1	0	1	62	13	1	134	3	21
Tatale Sanguli	643	465	44	4	1	3	53	6	0	12	0	55
Mamprugu Moagduri	508	373	55	0	0	0	46	4	0	21	0	9



**Table A8.9: Number of establishments in Northern Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Northern Region	1,317	100.0	1,192	100.0	2,792	100.0	8,287	100.0	26,356	100.0
Bole	48	3.6	19	1.6	58	2.1	171	2.1	1,025	3.9
Sawla-Tuna-Kalba	40	3.0	33	2.8	63	2.3	164	2.0	674	2.6
West Gonja	35	2.7	33	2.8	45	1.6	102	1.2	466	1.8
Gonja Central	20	1.5	18	1.5	92	3.3	233	2.8	792	3.0
East Gonja	39	3.0	46	3.9	127	4.5	381	4.6	907	3.4
Kpandai	61	4.6	44	3.7	110	3.9	276	3.3	580	2.2
Nanumba South	36	2.7	28	2.3	45	1.6	168	2.0	513	1.9
Nanumba North	27	2.1	55	4.6	90	3.2	307	3.7	831	3.2
Zabzugu	15	1.1	19	1.6	64	2.3	183	2.2	478	1.8
Yendi Municipal	95	7.2	67	5.6	153	5.5	387	4.7	1,259	4.8
Tamale Metropolis	413	31.4	389	32.6	713	25.5	2,102	25.4	6,295	23.9
Tolon	38	2.9	41	3.4	118	4.2	250	3.0	694	2.6
Savelugu-Nanton	38	2.9	36	3.0	126	4.5	307	3.7	697	2.6
Karaga	11	0.8	21	1.8	85	3.0	289	3.5	881	3.3
Gushiegu	12	0.9	16	1.3	82	2.9	325	3.9	763	2.9
Saboba	35	2.7	19	1.6	55	2.0	212	2.6	680	2.6
Chereponi	30	2.3	10	0.8	46	1.6	155	1.9	480	1.8
Bunkpurugu Yunyoo	62	4.7	67	5.6	126	4.5	279	3.4	784	3.0
East Mamprusi	49	3.7	37	3.1	105	3.8	315	3.8	896	3.4
West Mamprusi	75	5.7	68	5.7	138	4.9	400	4.8	1,583	6.0
North Gonja	16	1.2	10	0.8	25	0.9	141	1.7	304	1.2
Kumbungu	27	2.1	32	2.7	72	2.6	193	2.3	615	2.3
Sagnerigu Municipal	64	4.9	45	3.8	144	5.2	548	6.6	2,848	10.8
Mion	8	0.6	17	1.4	45	1.6	165	2.0	504	1.9
Tatale Sanguli	16	1.2	16	1.3	46	1.6	136	1.6	429	1.6
Mamprugu Moagduri	7	0.5	6	0.5	19	0.7	98	1.2	378	1.4

**Table A8.10: Number of industry sector establishments in Northern Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Northern Region</b>	<b>137</b>	<b>100.0</b>	<b>157</b>	<b>100.0</b>	<b>460</b>	<b>100.0</b>	<b>1,810</b>	<b>100.0</b>	<b>6,093</b>	<b>100.0</b>
Bole	1	0.7	1	0.6	2	0.4	25	1.4	156	2.6
Sawla-Tuna-Kalba	11	8.0	4	2.5	9	2.0	39	2.2	165	2.7
West Gonja	1	0.7	3	1.9	5	1.1	14	0.8	107	1.8
Gonja Central	3	2.2	3	1.9	14	3.0	43	2.4	173	2.8
East Gonja	3	2.2	4	2.5	23	5.0	61	3.4	196	3.2
Kpandai	3	2.2	5	3.2	19	4.1	54	3.0	127	2.1
Nanumba South	1	0.7	2	1.3	7	1.5	31	1.7	121	2.0
Nanumba North	0	0.0	7	4.5	10	2.2	83	4.6	188	3.1
Zabzugu	2	1.5	2	1.3	13	2.8	42	2.3	122	2.0
Yendi Municipal	8	5.8	13	8.3	31	6.7	83	4.6	334	5.5
Tamale Metropolis	76	55.5	72	45.9	142	30.9	501	27.7	1,351	22.2
Tolon	4	2.9	8	5.1	11	2.4	41	2.3	148	2.4
Savelugu-Nanton	3	2.2	4	2.5	18	3.9	47	2.6	129	2.1
Karaga	1	0.7	2	1.3	15	3.3	58	3.2	206	3.4
Gushiegu	1	0.7	4	2.5	25	5.4	115	6.4	276	4.5
Saboba	2	1.5	3	1.9	14	3.0	58	3.2	209	3.4
Chereponi	2	1.5	3	1.9	7	1.5	33	1.8	119	2.0
Bunkpurugu Yunyoo	4	2.9	4	2.5	20	4.3	62	3.4	215	3.5
East Mamprusi	0	0.0	0	0.0	9	2.0	57	3.1	137	2.2
West Mamprusi	4	2.9	7	4.5	22	4.8	95	5.2	414	6.8
North Gonja	0	0.0	1	0.6	3	0.7	37	2.0	90	1.5
Kumbungu	4	2.9	1	0.6	7	1.5	26	1.4	155	2.5
Sagnerigu Municipal	1	0.7	3	1.9	16	3.5	111	6.1	595	9.8
Mion	0	0.0	0	0.0	2	0.4	26	1.4	94	1.5
Tatale Sanguli	2	1.5	0	0.0	10	2.2	39	2.2	142	2.3
Mamprugu Moagduri	0	0.0	1	0.6	6	1.3	29	1.6	124	2.0

**Table A8.11: Number of services sector establishments in Northern Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Northern Region</b>	<b>1,169</b>	100.0	<b>1,021</b>	100.0	<b>2,310</b>	100.0	<b>6,429</b>	100.0	<b>20,153</b>	100.0
Bole	47	4.0	17	1.7	56	2.4	146	2.3	868	4.3
Sawla-Tuna-Kalba	27	2.3	25	2.4	53	2.3	124	1.9	507	2.5
West Gonja	34	2.9	30	2.9	40	1.7	88	1.4	358	1.8
Gonja Central	17	1.5	15	1.5	78	3.4	190	3.0	617	3.1
East Gonja	36	3.1	41	4.0	104	4.5	319	5.0	710	3.5
Kpandai	58	5.0	39	3.8	91	3.9	222	3.5	452	2.2
Nanumba South	35	3.0	26	2.5	38	1.6	137	2.1	391	1.9
Nanumba North	27	2.3	48	4.7	80	3.5	224	3.5	642	3.2
Zabzugu	13	1.1	17	1.7	51	2.2	141	2.2	356	1.8
Yendi Municipal	87	7.4	54	5.3	120	5.2	302	4.7	924	4.6
Tamale Metropolis	334	28.6	315	30.9	567	24.5	1,599	24.9	4,928	24.5
Tolon	34	2.9	33	3.2	106	4.6	208	3.2	539	2.7
Savelugu-Nanton	35	3.0	32	3.1	108	4.7	258	4.0	565	2.8
Karaga	10	0.9	18	1.8	70	3.0	219	3.4	665	3.3
Gushiegu	11	0.9	12	1.2	56	2.4	209	3.3	486	2.4
Saboba	33	2.8	16	1.6	39	1.7	154	2.4	468	2.3
Chereponi	27	2.3	7	0.7	39	1.7	121	1.9	360	1.8
Bunkpurugu Yunyoo	58	5.0	63	6.2	106	4.6	217	3.4	564	2.8
East Mamprusi	49	4.2	36	3.5	91	3.9	241	3.7	738	3.7
West Mamprusi	71	6.1	61	6.0	114	4.9	304	4.7	1,169	5.8
North Gonja	16	1.4	9	0.9	22	1.0	104	1.6	214	1.1
Kumbungu	23	2.0	31	3.0	64	2.8	165	2.6	459	2.3
Sagnerigu Municipal	58	5.0	38	3.7	125	5.4	433	6.7	2,234	11.1
Mion	8	0.7	17	1.7	43	1.9	138	2.1	398	2.0
Tatale Sanguli	14	1.2	16	1.6	36	1.6	97	1.5	287	1.4
Mamprugu Moagduri	7	0.6	5	0.5	13	0.6	69	1.1	254	1.3

**Table A8.12: Number of agriculture sector establishments in Northern Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Northern Region</b>	<b>11</b>	<b>100.0</b>	<b>14</b>	<b>100.0</b>	<b>22</b>	<b>100.0</b>	<b>48</b>	<b>100.0</b>	<b>110</b>	<b>100.0</b>
Bole	0	0.0	1	7.1	0	0.0	0	0.0	1	0.9
Sawla-Tuna-Kalba	2	18.2	4	28.6	1	4.5	1	2.1	2	1.8
West Gonja	0	0.0	0	0.0	0	0.0	0	0.0	1	0.9
Gonja Central	0	0.0	0	0.0	0	0.0	0	0.0	2	1.8
East Gonja	0	0.0	1	7.1	0	0.0	1	2.1	1	0.9
Kpandai	0	0.0	0	0.0	0	0.0	0	0.0	1	0.9
Nanumba South	0	0.0	0	0.0	0	0.0	0	0.0	1	0.9
Nanumba North	0	0.0	0	0.0	0	0.0	0	0.0	1	0.9
Zabzugu	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yendi Municipal	0	0.0	0	0.0	2	9.1	2	4.2	1	0.9
Tamale Metropolis	3	27.3	2	14.3	4	18.2	2	4.2	16	14.5
Tolon	0	0.0	0	0.0	1	4.5	1	2.1	7	6.4
Savelugu-Nanton	0	0.0	0	0.0	0	0.0	2	4.2	3	2.7
Karaga	0	0.0	1	7.1	0	0.0	12	25.0	10	9.1
Gushiegu	0	0.0	0	0.0	1	4.5	1	2.1	1	0.9
Saboba	0	0.0	0	0.0	2	9.1	0	0.0	3	2.7
Chereponi	1	9.1	0	0.0	0	0.0	1	2.1	1	0.9
Bunkpurugu Yunyoo	0	0.0	0	0.0	0	0.0	0	0.0	5	4.5
East Mamprusi	0	0.0	1	7.1	5	22.7	17	35.4	21	19.1
West Mamprusi	0	0.0	0	0.0	2	9.1	1	2.1	0	0.0
North Gonja	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kumbungu	0	0.0	0	0.0	1	4.5	2	4.2	1	0.9
Sagnerigu Municipal	5	45.5	4	28.6	3	13.6	4	8.3	19	17.3
Mion	0	0.0	0	0.0	0	0.0	1	2.1	12	10.9
Tatale Sanguli	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mamprugu Moagduri	0	0.0	0	0	0	0.0	0	0.0	0	0.0

**Table A8.13: Distribution of persons engaged by establishments in Northern Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
<b>Northern Region</b>	<b>183,375</b>	<b>35,319</b>	<b>146,446</b>	<b>1,610</b>	100.0	19.3	79.9	0.9
Bole	5,083	589	4,468	26	100.0	11.6	87.9	0.5
Sawla-Tuna-Kalba	3,932	978	2,933	21	100.0	24.9	74.6	0.5
West Gonja	3,623	760	2,861	2	100.0	21.0	79.0	0.1
Gonja Central	5,265	1,376	3,840	49	100.0	26.1	72.9	0.9
East Gonja	6,041	971	5,031	39	100.0	16.1	83.3	0.6
Kpandai	4,806	630	4,173	3	100.0	13.1	86.8	0.1
Nanumba South	3,817	489	3,323	5	100.0	12.8	87.1	0.1
Nanumba North	5,554	1,026	4,527	1	100.0	18.5	81.5	0.0
Zabzugu	3,589	655	2,934	-	100.0	18.3	81.7	0.0
Yendi Municipal	9,625	2,277	7,243	105	100.0	23.7	75.3	1.1
Tamale Metropolis	50,714	10,913	39,662	139	100.0	21.5	78.2	0.3
Tolon	6,066	1,092	4,904	70	100.0	18.0	80.8	1.2
Savelugu Nanton	5,907	919	4,809	179	100.0	15.6	81.4	3.0
Karaga	4,133	743	3,307	83	100.0	18.0	80.0	2.0
Gushiegu	4,602	1,085	3,503	14	100.0	23.6	76.1	0.3
Saboba	3,762	723	3,004	35	100.0	19.2	79.9	0.9
Chereponi	3,414	491	2,912	11	100.0	14.4	85.3	0.3
Bunkpurugu Yonyo	5,292	672	4,584	36	100.0	12.7	86.6	0.7
Mamprusi East	3,276	402	2,784	90	100.0	12.3	85.0	2.7
Mamprusi West	8,910	1,628	7,233	49	100.0	18.3	81.2	0.5
North Gonja	3,507	376	3,131	-	100.0	10.7	89.3	0.0
Kumbungu	5,439	1,618	3,794	27	100.0	29.7	69.8	0.5
Sagnerigu Municipal	19,946	3,487	15,874	585	100.0	17.5	79.6	2.9
Mion	2,785	348	2,396	41	100.0	12.5	86.0	1.5
Tatale	2,454	579	1,875	-	100.0	23.6	76.4	0.0
Mamprugu Moagduri	1,833	492	1,341	-	100.0	26.8	73.2	0.0

**Table A8.14: Distribution of persons engaged in the Northern region by district, sex and sector of establishment**

Region/District	Both Sexes				Male				Female			
	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture
<b>Northern Region</b>	<b>183,375</b>	<b>35,319</b>	<b>146,446</b>	<b>1,610</b>	<b>121,583</b>	<b>20,991</b>	<b>99,221</b>	<b>1,371</b>	<b>61,792</b>	<b>14,328</b>	<b>47,225</b>	<b>239</b>
Bole	5,083	589	4,468	26	3,265	272	2,969	24	1,818	317	1,499	2
Sawla-Tuna-Kalba	3,932	978	2,933	21	2,300	434	1,846	20	1,632	544	1,087	1
West Gonja	3,623	760	2,861	2	2,273	371	1,900	2	1,350	389	961	0
Gonja Central	5,265	1,376	3,840	49	3,381	841	2,497	43	1,884	535	1,343	6
East Gonja	6,041	971	5,031	39	4,284	573	3,679	32	1,757	398	1,352	7
Kpandai	4,806	630	4,173	3	3,213	349	2,861	3	1,593	281	1,312	0
Nanumba South	3,817	489	3,323	5	2,633	290	2,339	4	1,184	199	984	1
Nanumba North	5,554	1,026	4,527	1	3,652	578	3,074	0	1,902	448	1,453	1
Zabzugu	3,589	655	2,934	0	2,675	460	2,215	0	914	195	719	0
Yendi Municipal	9,625	2,277	7,243	105	6,591	1,416	5,090	85	3,034	861	2,153	20
Tamale Metropolis	50,714	10,913	39,662	139	31,734	6,921	24,692	121	18,980	3,992	14,970	18
Tolon	6,066	1,092	4,904	70	4,350	607	3,678	65	1,716	485	1,226	5
Savelugu Nanton	5,907	919	4,809	179	3,949	491	3,291	167	1,958	428	1,518	12
Karaga	4,133	743	3,307	83	3,225	596	2,549	80	908	147	758	3
Gushiegu	4,602	1,085	3,503	14	3,422	841	2,568	13	1,180	244	935	1
Saboba	3,762	723	3,004	35	2,652	437	2,186	29	1,110	286	818	6
Chereponi	3,414	491	2,912	11	2,371	273	2,089	9	1,043	218	823	2
Bunkpurugu Yonyo	5,292	672	4,584	36	3,605	408	3,183	14	1,687	264	1,401	22
Mamprusi East	3,276	402	2,784	90	3,014	372	2,558	84	262	30	226	6
Mamprusi West	8,910	1,628	7,233	49	5,857	906	4,910	41	3,053	722	2,323	8
North Gonja	3,507	376	3,131	-	2,311	250	2,061	0	1,196	126	1,070	0
Kumbungu	5,439	1,618	3,794	27	3,456	546	2,888	22	1,983	1,072	906	5
Sagnerigu Municipal	19,946	3,487	15,874	585	12,320	1,823	10,024	473	7,626	1,664	5,850	112
Mion	2,785	348	2,396	41	2,184	280	1,864	40	601	68	532	1
Tatale	2,454	579	1,875	-	1,693	338	1,355	0	761	241	520	0
Mamprugu Moagduri	1,833	492	1,341	-	1,173	318	855	0	660	174	486	0

**Table A8.15: Distribution of persons engaged by establishments in Northern Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)
<b>Northern Region</b>	<b>183,375</b>	66.3	33.7	<b>35,319</b>	59.4	40.6	<b>146,446</b>	67.8	32.2	<b>1,610</b>	85.2	14.8
Bole	5,083	64.2	35.8	589	46.2	53.8	4,468	66.5	33.5	26	92.3	7.7
Sawla-Tuna-Kalba	3,932	58.5	41.5	978	44.4	55.6	2,933	62.9	37.1	21	95.2	4.8
West Gonja	3,623	62.7	37.3	760	48.8	51.2	2,861	66.4	33.6	2	100.0	0.0
Gonja Central	5,265	64.2	35.8	1,376	61.1	38.9	3,840	65.0	35.0	49	87.8	12.2
East Gonja	6,041	70.9	29.1	971	59.0	41.0	5,031	73.1	26.9	39	82.1	17.9
Kpandai	4,806	66.9	33.1	630	55.4	44.6	4,173	68.6	31.4	3	100.0	0.0
Nanumba South	3,817	69.0	31.0	489	59.3	40.7	3,323	70.4	29.6	5	80.0	20.0
Nanumba North	5,554	65.8	34.2	1,026	56.3	43.7	4,527	67.9	32.1	1	0.0	100.0
Zabzugu	3,589	74.5	25.5	655	70.2	29.8	2,934	75.5	24.5	-	0.0	0.0
Yendi Municipal	9,625	68.5	31.5	2,277	62.2	37.8	7,243	70.3	29.7	105	81.0	19.0
Tamale Metropolis	50,714	62.6	37.4	10,913	63.4	36.6	39,662	62.3	37.7	139	87.1	12.9
Tolon	6,066	71.7	28.3	1,092	55.6	44.4	4,904	75.0	25.0	70	92.9	7.1
Savelugu Nanton	5,907	66.9	33.1	919	53.4	46.6	4,809	68.4	31.6	179	93.3	6.7
Karaga	4,133	78.0	22.0	743	80.2	19.8	3,307	77.1	22.9	83	96.4	3.6
Gushiegu	4,602	74.4	25.6	1,085	77.5	22.5	3,503	73.3	26.7	14	92.9	7.1
Saboba	3,762	70.5	29.5	723	60.4	39.6	3,004	72.8	27.2	35	82.9	17.1
Chereponi	3,414	69.4	30.6	491	55.6	44.4	2,912	71.7	28.3	11	81.8	18.2
Bunkpurugu Yonyo	5,292	68.1	31.9	672	60.7	39.3	4,584	69.4	30.6	36	38.9	61.1
Mamprusi East	3,276	92.0	8.0	402	92.5	7.5	2,784	91.9	8.1	90	93.3	6.7
Mamprusi West	8,910	65.7	34.3	1,628	55.7	44.3	7,233	67.9	32.1	49	83.7	16.3
North Gonja	3,507	65.9	34.1	376	66.5	33.5	3,131	65.8	34.2	-	0.0	0.0
Kumbungu	5,439	63.5	36.5	1,618	33.7	66.3	3,794	76.1	23.9	27	81.5	18.5
Sagnerigu Municipal	19,946	61.8	38.2	3,487	52.3	47.7	15,874	63.1	36.9	585	80.9	19.1
Mion	2,785	78.4	21.6	348	80.5	19.5	2,396	77.8	22.2	41	97.6	2.4
Tatale	2,454	69.0	31.0	579	58.4	41.6	1,875	72.3	27.7	-	0.0	0.0
Mamprugu Moagduri	1,833	64.0	36.0	492	64.6	35.4	1,341	63.8	36.2	-	0.0	0.0

**Table A8.16: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Northern	<b>Total</b>	<b>64,381</b>	<b>45,464</b>	<b>19,666</b>	<b>8,581</b>	<b>5,472</b>	<b>3,666</b>	<b>7,307</b>	<b>8,376</b>	<b>7,264</b>	<b>13,198</b>
	<b>Male</b>	<b>42,161</b>	<b>30,466</b>	<b>12,736</b>	<b>5,586</b>	<b>3,520</b>	<b>2,397</b>	<b>4,640</b>	<b>5,597</b>	<b>5,212</b>	<b>9,268</b>
	<b>Female</b>	<b>22,220</b>	<b>14,998</b>	<b>6,930</b>	<b>2,995</b>	<b>1,952</b>	<b>1,269</b>	<b>2,667</b>	<b>2,779</b>	<b>2,052</b>	<b>3,930</b>
Bole	Total	2,140	1,228	511	207	199	106	35	50	607	0
	Male	1,423	774	306	127	134	60	31	38	372	0
	Female	717	454	205	80	65	46	4	12	235	0
Sawla-Tuna-Kalba	Total	1,619	952	429	150	85	28	106	111	0	452
	Male	1,132	465	178	84	49	14	68	80	0	230
	Female	487	487	251	66	36	14	38	31	0	222
West Gonja	Total	1,046	862	337	198	208	108	182	51	631	0
	Male	563	448	225	121	116	62	121	40	577	0
	Female	483	414	112	77	92	46	61	11	54	0
Gonja Central	Total	2,021	1,202	702	66	189	27	236	171	289	362
	Male	1,355	729	359	45	91	2	183	135	145	337
	Female	666	473	343	21	98	25	53	36	144	25
East Gonja	Total	2,456	1,528	784	214	211	26	179	134	257	252
	Male	1,752	1,076	514	133	184	21	141	121	204	138
	Female	704	452	270	81	27	5	38	13	53	114
Kpandai	Total	1,700	1,777	527	208	60	51	122	224	137	0
	Male	1,090	1,181	365	144	45	44	98	161	85	0
	Female	610	596	162	64	15	7	24	63	52	0
Nanumba South	Total	1,317	1,182	538	216	42	82	288	152	0	0
	Male	957	783	378	128	38	20	210	119	0	0
	Female	360	399	160	88	4	62	78	33	0	0
Nanumba North	Total	2,140	1,826	772	288	154	78	137	159	0	0
	Male	1,533	1,177	438	215	45	27	103	114	0	0
	Female	607	649	334	73	109	51	34	45	0	0
Zabzugu	Total	1,238	1,135	456	162	47	52	105	96	298	0
	Male	936	847	340	106	30	45	90	79	202	0
	Female	302	288	116	56	17	7	15	17	96	0



**Table A8.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Yendi Municipal	Total	3,007	2,861	1,620	558	271	217	306	319	144	322
	Male	2,031	1,879	1,111	354	221	186	265	267	135	142
	Female	976	982	509	204	50	31	41	52	9	180
Tamale Metropolis	Total	15,171	10,679	5,396	2,921	2,006	1240	2498	2005	2143	6655
	Male	7,913	7,264	3,550	1,882	1,323	778	1518	1421	1518	4567
	Female	7,258	3,415	1,846	1,039	683	462	980	584	625	2088
Tolon	Total	1,863	1,694	706	202	285	131	75	434	0	676
	Male	1,385	1,204	487	146	195	80	42	216	0	595
	Female	478	490	219	56	90	51	33	218	0	81
Savelugu Nanton	Total	1,815	1,666	720	276	193	130	248	408	231	220
	Male	1,252	1,152	436	179	92	95	131	301	209	102
	Female	563	514	284	97	101	35	117	107	22	118
Karaga	Total	2,245	1,408	249	61	84	51	35	0	0	0
	Male	1,860	1,001	175	41	65	48	35	0	0	0
	Female	385	407	74	20	19	3	0	0	0	0
Gushiegu	Total	2,180	1,105	412	184	84	29	123	141	131	213
	Male	1,704	776	277	140	82	21	64	104	104	150
	Female	476	329	135	44	2	8	59	37	27	63
Saboba	Total	1,699	965	379	148	0	56	67	289	159	0
	Male	1,226	688	231	78	0	26	55	233	115	0
	Female	473	277	148	70	0	30	12	56	44	0
Chereponi	Total	1,234	1,106	296	79	20	25	68	286	300	0
	Male	935	658	174	67	20	14	61	218	224	0
	Female	299	448	122	12	0	11	7	68	76	0
Bunkpurugu Yonyo	Total	2,165	1,397	477	228	90	75	159	361	0	340
	Male	1,427	980	335	187	40	58	121	317	0	140
	Female	738	417	142	41	50	17	38	44	0	200
Mamprusi East	Total	2,543	399	70	68	23	26	36	111	0	0
	Male	2,417	348	58	46	15	15	24	91	0	0
	Female	126	51	12	22	8	11	12	20	0	0

**Table A8.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Mamprusi West	Total	3,518	2,541	902	346	106	209	259	371	258	400
	Male	2,164	1,596	598	239	82	157	202	226	193	400
	Female	1,354	945	304	107	24	52	57	145	65	0
North Gonja	Total	919	486	124	30	22	0	0	50	436	1440
	Male	686	315	67	21	0	0	0	36	281	905
	Female	233	171	57	9	22	0	0	14	155	535
Kumbungu	Total	1,380	1,610	641	251	62	80	340	722	353	0
	Male	1,080	1,184	410	155	60	53	124	247	143	0
	Female	300	426	231	96	2	27	216	475	210	0
Sagnerigu Municipal	Total	5,563	3,651	2,011	1,326	989	728	1603	1319	890	1866
	Male	2,795	2,372	1,364	834	565	502	870	751	705	1562
	Female	2,768	1,279	647	492	424	226	733	568	185	304
Mion	Total	1,316	1,040	187	84	0	57	33	68	0	0
	Male	1,079	810	116	66	0	44	17	52	0	0
	Female	237	230	71	18	0	13	16	16	0	0
Tatale	Total	1,118	685	249	49	0	54	67	232	0	0
	Male	788	457	144	35	0	25	66	178	0	0
	Female	330	228	105	14	0	29	1	54	0	0
Mamprugu Moagduri	Total	968	479	171	61	42	0	0	112	0	0
	Male	678	302	100	13	28	0	0	52	0	0
	Female	290	177	71	48	14	0	0	60	0	0

**Table A8.17: Distribution of persons engaged by establishments in the Northern Region by district, status of engagement and LMSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro
<b>Northern Region</b>	<b>183,375</b>	<b>20,362</b>	<b>14,463</b>	<b>71,304</b>	<b>77,246</b>	<b>138,687</b>	<b>16,839</b>	<b>11,936</b>	<b>49,882</b>	<b>60,030</b>	<b>44,688</b>	<b>3,523</b>	<b>2,527</b>	<b>21,422</b>	<b>17,216</b>
Bole	5,083	607	85	1,946	2,445	3,683	434	75	1,372	1,802	1,400	173	10	574	643
Sawla-Tuna-Kalba	3,932	452	217	1,394	1,869	2,810	452	165	812	1,381	1,122	0	52	582	488
West Gonja	3,623	631	203	1,463	1,326	2,620	610	196	927	887	1,003	21	7	536	439
Gonja Central	5,265	651	317	1,931	2,366	3,789	240	295	1,331	1,923	1,476	411	22	600	443
East Gonja	6,041	509	283	2,358	2,891	4,908	440	258	1,822	2,388	1,133	69	25	536	503
Kpandai	4,806	137	316	2,143	2,210	3,534	100	280	1,601	1,553	1,272	37	36	542	657
Nanumba South	3,817	0	380	1,900	1,537	3,343	0	359	1,687	1,297	474	0	21	213	240
Nanumba North	5,554	0	206	2,768	2,580	4,019	0	206	1,949	1,864	1,535	0	0	819	716
Zabzugu	3,589	298	201	1,482	1,608	2,771	194	189	1,064	1,324	818	104	12	418	284
Yendi Municipal	9,625	466	625	4,727	3,807	6,760	344	463	3,077	2,876	2,865	122	162	1,650	931
Tamale Metropolis	50,714	8,698	3,943	19,397	18,676	37,448	6,880	3,325	12,857	14,386	13,266	1,818	618	6,540	4,290
Tolon	6,066	676	509	2,593	2,288	4,621	676	380	1,823	1,742	1,445	0	129	770	546
Savelugu Nanton	5,907	451	626	2,635	2,195	4,563	433	433	1,986	1,711	1,344	18	193	649	484
Karaga	4,133	0	35	1,428	2,670	3,447	0	35	1,129	2,283	686	0	0	299	387
Gushiegu	4,602	344	264	1,439	2,555	3,801	236	229	1,153	2,183	801	108	35	286	372
Saboba	3,762	159	326	1,288	1,989	2,961	115	322	917	1,607	801	44	4	371	382
Chereponi	3,414	300	354	1,226	1,534	2,195	106	278	731	1,080	1,219	194	76	495	454
Bunkpurugu Yonyo	5,292	340	490	1,927	2,535	3,671	340	404	1,153	1,774	1,621	0	86	774	761
Mamprusi East	3,276		147	481	2,648	3,174		133	446	2,595	102	0	14	35	53
Mamprusi West	8,910	658	570	3,509	4,173	6,594	432	465	2,468	3,229	2,316	226	105	1,041	944
North Gonja	3,507	1,876	50	542	1,039	3,169	1,876	50	380	863	338	0	0	162	176
Kumbungu	5,439	353	1,032	2,314	1,740	4,365	323	773	1,777	1,492	1,074	30	259	537	248
Sagnerigu Municipal	19,946	2,756	2,802	7,885	6,503	15,543	2,608	2,294	5,735	4,906	4,403	148	508	2,150	1,597
Mion	2,785	0	101	1,058	1,626	2,028	0	67	798	1,163	757	0	34	260	463
Tatale	2,454	0	269	887	1,298	1,733	0	201	558	974	721	0	68	329	324
Mamprugu Moagduri	1,833	0	112	583	1,138	1,137	0	61	329	747	696	0	51	254	391

**Table A8.18: Distribution of persons engaged in Northern Region by district and LSM establishments**

Region/District	Number of Persons Engaged					Percentage Distribution by Size				
	All Establishment	Large	Medium	Small	Micro	All Establishment	Large	Medium	Small	Micro
Northern Region	183,375	20,362	14,463	71,304	77,246	100.0	11.1	7.9	38.9	42.1
Bole	5,083	607	85	1,946	2,445	100.0	11.9	1.7	38.3	48.1
Sawla-Tuna-Kalba	3,932	452	217	1,394	1,869	100.0	11.5	5.5	35.5	47.5
West Gonja	3,623	631	203	1,463	1,326	100.0	17.4	5.6	40.4	36.6
Gonja Central	5,265	651	317	1,931	2,366	100.0	12.4	6.0	36.7	44.9
East Gonja	6,041	509	283	2,358	2,891	100.0	8.4	4.7	39.0	47.9
Kpandai	4,806	137	316	2,143	2,210	100.0	2.9	6.6	44.6	46.0
Nanumba South	3,817	0	380	1,900	1,537	100.0	0.0	10.0	49.8	40.3
Nanumba North	5,554	0	206	2,768	2,580	100.0	0.0	3.7	49.8	46.5
Zabzugu	3,589	298	201	1,482	1,608	100.0	8.3	5.6	41.3	44.8
Yendi Municipal	9,625	466	625	4,727	3,807	100.0	4.8	6.5	49.1	39.6
Tamale Metropolis	50,714	8,698	3,943	19,397	18,676	100.0	17.2	7.8	38.2	36.8
Tolon	6,066	676	509	2,593	2,288	100.0	11.1	8.4	42.7	37.7
Savelugu Nanton	5,907	451	626	2,635	2,195	100.0	7.6	10.6	44.6	37.2
Karaga	4,133	0	35	1,428	2,670	100.0	0.0	0.8	34.6	64.6
Gushiegu	4,602	344	264	1,439	2,555	100.0	7.5	5.7	31.3	55.5
Saboba	3,762	159	326	1,288	1,989	100.0	4.2	8.7	34.2	52.9
Chereponi	3,414	300	354	1,226	1,534	100.0	8.8	10.4	35.9	44.9
Bunkpurugu Yonyo	5,292	340	490	1,927	2,535	100.0	6.4	9.3	36.4	47.9
Mamprusi East	3,276		147	481	2,648	100.0	0.0	4.5	14.7	80.8
Mamprusi West	8,910	658	570	3,509	4,173	100.0	7.4	6.4	39.4	46.8
North Gonja	3,507	1,876	50	542	1,039	100.0	53.5	1.4	15.5	29.6
Kumbungu	5,439	353	1,032	2,314	1,740	100.0	6.5	19.0	42.5	32.0
Sagnerigu Municipal	19,946	2,756	2,802	7,885	6,503	100.0	13.8	14.0	39.5	32.6
Mion	2,785	0	101	1,058	1,626	100.0	0.0	3.6	38.0	58.4
Tatale	2,454	0	269	887	1,298	100.0	0.0	11.0	36.1	52.9
Mamprugu Moagduri	1,833	0	112	583	1,138	100.0	0.0	6.1	31.8	62.1

**Table A8.19: Distribution of persons engaged in Northern Region by district and LSM establishments**

Region/District	All persons			Large-sized			Medium-sized			Small-sized			Micro-sized		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Northern Region</b>	<b>183,375</b>	75.6	24.4	<b>20,362</b>	82.7	17.3	<b>14,463</b>	82.5	17.5	<b>71,304</b>	70.0	30.0	<b>77,246</b>	77.7	22.3
Bole	5,083	72.5	27.5	607	71.5	28.5	85	88.2	11.8	1,946	70.5	29.5	2,445	73.7	26.3
Sawla-Tuna-Kalba	3,932	71.5	28.5	452	100.0	0.0	217	76.0	24.0	1,394	58.2	41.8	1,869	73.9	26.1
West Gonja	3,623	72.3	27.7	631	96.7	3.3	203	96.6	3.4	1,463	63.4	36.6	1,326	66.9	33.1
Gonja Central	5,265	72.0	28.0	651	36.9	63.1	317	93.1	6.9	1,931	68.9	31.1	2,366	81.3	18.7
East Gonja	6,041	81.2	18.8	509	86.4	13.6	283	91.2	8.8	2,358	77.3	22.7	2,891	82.6	17.4
Kpandai	4,806	73.5	26.5	137	73.0	27.0	316	88.6	11.4	2,143	74.7	25.3	2,210	70.3	29.7
Nanumba South	3,817	87.6	12.4	0	0.0	0.0	380	94.5	5.5	1,900	88.8	11.2	1,537	84.4	15.6
Nanumba North	5,554	72.4	27.6	0	0.0	0.0	206	100.0	0.0	2,768	70.4	29.6	2,580	72.2	27.8
Zabzugu	3,589	77.2	22.8	298	65.1	34.9	201	94.0	6.0	1,482	71.8	28.2	1,608	82.3	17.7
Yendi Municipal	9,625	70.2	29.8	466	73.8	26.2	625	74.1	25.9	4,727	65.1	34.9	3,807	75.5	24.5
Tamale Metropolis	50,714	73.8	26.2	8,698	79.1	20.9	3,943	84.3	15.7	19,397	66.3	33.7	18,676	77.0	23.0
Tolon	6,066	76.2	23.8	676	100.0	0.0	509	74.7	25.3	2,593	70.3	29.7	2,288	76.1	23.9
Savelugu Nanton	5,907	77.2	22.8	451	96.0	4.0	626	69.2	30.8	2,635	75.4	24.6	2,195	77.9	22.1
Karaga	4,133	83.4	16.6	0	0.0	0.0	35	100.0	0.0	1,428	79.1	20.9	2,670	85.5	14.5
Gushiegu	4,602	82.6	17.4	344	68.6	31.4	264	86.7	13.3	1,439	80.1	19.9	2,555	85.4	14.6
Saboba	3,762	78.7	21.3	159	72.3	27.7	326	98.8	1.2	1,288	71.2	28.8	1,989	80.8	19.2
Chereponi	3,414	64.3	35.7	300	35.3	64.7	354	78.5	21.5	1,226	59.6	40.4	1,534	70.4	29.6
Bunkpurugu Yonyo	5,292	69.4	30.6	340	100.0	0.0	490	82.4	17.6	1,927	59.8	40.2	2,535	70.0	30.0
Mamprusi East	3,276	96.9	3.1	0	0.0	0.0	147	90.5	9.5	481	92.7	7.3	2,648	98.0	2.0
Mamprusi West	8,910	74.0	26.0	658	65.7	34.3	570	81.6	18.4	3,509	70.3	29.7	4,173	77.4	22.6
North Gonja	3,507	90.4	9.6	1,876	100.0	0.0	50	100.0	0.0	542	70.1	29.9	1,039	83.1	16.9
Kumbungu	5,439	80.3	19.7	353	91.5	8.5	1,032	74.9	25.1	2,314	76.8	23.2	1,740	85.7	14.3
Sagnerigu Municipal	19,946	77.9	22.1	2,756	94.6	5.4	2,802	81.9	18.1	7,885	72.7	27.3	6,503	75.4	24.6
Mion	2,785	72.8	27.2	0	0.0	0.0	101	66.3	33.7	1,058	75.4	24.6	1,626	71.5	28.5
Tatale	2,454	70.6	29.4	0	0.0	0.0	269	74.7	25.3	887	62.9	37.1	1,298	75.0	25.0
Mamprugu Moagduri	1,833	62.0	38.0	0	0.0	0.0	112	54.5	45.5	583	56.4	43.6	1,138	65.6	34.4

**Table A8.20: Distribution of persons engaged in establishments in Northern Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											
		Overall	Sole Proprietorship	Partnership	Private Limited Company by Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs)	Quasi Government	Para-statal Government	Non Governmental Organization (NGO)	Cooperative	Association/Groups
<b>Northern Region</b>	183,375	100.0	51.9	7.9	3.4	1.4	1.6	17.3	2.6	0.1	5.9	0.4	7.5
Bole	5,083	100.0	53.9	5.6	1.9	7.7	1.2	22.0	0.5	0.0	5.9	0.6	0.7
Sawla-Tuna-Kalba	3,932	100.0	47.7	7.3	12.2	0.1	4.1	13.7	1.0	0.0	3.3	0.0	10.6
West Gonja	3,623	100.0	40.9	12.8	1.5	0.9	0.3	32.3	0.3	0.0	2.6	0.9	7.4
Gonja Central	5,265	100.0	54.8	5.2	8.0	1.9	0.6	19.4	1.6	0.1	3.6	0.2	4.7
East Gonja	6,041	100.0	54.3	2.0	0.7	0.2	1.6	25.5	0.0	0.0	0.8	0.1	14.8
Kpandai	4,806	100.0	48.3	3.5	0.4	0.1	0.6	17.3	5.0	0.0	16.2	0.5	8.1
Nanumba South	3,817	100.0	46.3	10.0	1.7	0.1	0.3	34.4	1.9	0.0	3.5	0.0	1.8
Nanumba North	5,554	100.0	60.6	4.8	1.0	0.1	0.6	13.6	3.3	0.2	5.3	0.3	10.3
Zabzugu	3,589	100.0	47.8	2.6	1.5	0.4	0.8	21.4	6.0	0.2	2.8	0.2	16.2
Yendi Municipal	9,625	100.0	62.3	5.0	2.3	1.4	7.5	11.3	0.3	0.2	1.1	0.0	8.7
Tamale Metropolis	50,714	100.0	60.6	9.2	6.6	1.9	1.3	11.3	4.0	0.1	1.6	0.3	3.1
Tolon	6,066	100.0	36.0	6.6	0.1	0.1	0.7	25.6	5.0	0.0	15.3	0.0	10.6
Savelugu-Nanton	5,907	100.0	36.2	7.6	3.5	0.9	0.8	25.8	1.6	0.2	12.2	0.7	10.6
Karaga	4,133	100.0	47.9	14.1	0.4	0.0	0.0	15.9	0.4	0.0	7.2	0.0	14.1
Gushiegu	4,602	100.0	55.1	2.0	0.7	0.0	0.4	26.5	0.0	0.0	4.0	0.9	10.4
Saboba	3,762	100.0	56.3	1.4	0.4	0.9	1.3	27.3	0.4	0.6	7.4	0.1	4.0
Chereponi	3,414	100.0	47.2	0.8	0.5	0.1	0.3	19.4	3.7	0.4	0.8	0.0	26.9
Bunkpurugu Yunyoo	5,292	100.0	40.6	2.2	0.8	0.0	1.3	26.3	1.4	0.0	18.0	3.3	6.2
East Mamprusi	3,276	100.0	55.0	21.0	1.4	0.0	0.0	18.2	0.0	0.0	2.3	0.1	2.1
West Mamprusi	8,910	100.0	49.4	4.1	1.0	4.6	1.5	15.9	1.5	0.0	17.1	0.8	4.1
North Gonja	3,507	100.0	28.7	14.1	0.2	0.0	0.1	5.9	0.1	0.0	0.0	0.0	50.8
Kumbungu	5,439	100.0	30.4	23.6	0.1	0.5	0.7	16.1	2.8	0.1	11.5	0.0	14.2
Sagnerigu Municipal	19,946	100.0	48.4	9.7	3.7	2.1	3.5	18.3	3.2	0.3	6.8	0.1	4.0
Mion	2,785	100.0	42.3	11.1	0.3	0.0	0.6	13.6	5.1	0.1	23.4	0.6	2.9
Tatale Sanguli	2,454	100.0	60.2	5.3	3.1	0.2	1.6	14.1	4.6	0.0	0.9	0.0	10.1
Mamprugu Moagduri	1,833	100.0	59.8	8.1	0.0	0.0	0.0	18.5	2.0	0.0	6.5	0.0	5.0

**Table A9.1: Distribution of establishments in Upper East Region by sector and district**

Region/District	Industry		Service		Agriculture		All Sectors		Sectoral distribution (%)			All sectors
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Industry	Services	Agriculture	
Upper East Region	3,752	100.0	13,279	100.0	23	100.0	17,054	100.0	22.0	77.9	0.1	100.0
Builsa North	104	2.8	594	4.5	3	13.0	701	4.1	14.8	84.7	0.4	100.0
Kasena Nankana West	196	5.2	891	6.7	1	4.3	1,088	6.4	18.0	81.9	0.1	100.0
Kasena Nankana East	317	8.4	1,514	11.4	4	17.4	1,835	10.8	17.3	82.5	0.2	100.0
Bolgatanga Municipal	1,203	32.1	3,797	28.6	5	21.7	5,005	29.3	24.0	75.9	0.1	100.0
Talensi	116	3.1	592	4.5	-	0.0	708	4.2	16.4	83.6	0.0	100.0
Bongo	267	7.1	739	5.6	-	0.0	1,006	5.9	26.5	73.5	0.0	100.0
Bawku West	263	7.0	776	5.8	4	17.4	1,043	6.1	25.2	74.4	0.4	100.0
Garu Tempane	320	8.5	1,077	8.1	2	8.7	1,399	8.2	22.9	77.0	0.1	100.0
Bawku Municipal	481	12.8	1,897	14.3	-	0.0	2,378	13.9	20.2	79.8	0.0	100.0
Builsa South	60	1.6	258	1.9	-	0.0	318	1.9	18.9	81.1	0.0	100.0
Nabdram	86	2.3	288	2.2	1	4.3	375	2.2	22.9	76.8	0.3	100.0
Binduri	121	3.2	362	2.7	3	13.0	486	2.8	24.9	74.5	0.6	100.0
Pusiga	218	5.8	494	3.7	-	0.0	712	4.2	30.6	69.4	0.0	100.0

**Table A9.2: Distribution of industry subsector establishments in Upper East Region by district**

Region/District	Industry Total		Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper East</b>	3752	100.0	<b>3468</b>	100.0	15	100.0	14	100.0	25	100.0	230	100.0
Builsa North	104	2.8	101	2.9	0	0.0	1	7.1	1	4.0	1	0.4
Kasena Nankana West	196	5.2	190	5.5	0	0.0	0	0.0	2	8.0	4	1.7
Kasena Nankana East	317	8.4	306	8.8	0	0.0	3	21.4	1	4.0	7	3.0
Bolgatanga Municipal	1203	32.1	1,058	30.5	3	20.0	3	21.4	10	40.0	129	56.1
Talensi	116	3.1	111	3.2	3	20.0	0	0.0	0	0.0	2	0.9
Bongo	267	7.1	259	7.5	0	0.0	0	0.0	3	12.0	5	2.2
Bawku West	263	7.0	224	6.5	9	60.0	5	35.7	1	4.0	24	10.4
Garu Tempane	320	8.5	314	9.1	0	0.0	0	0.0	0	0.0	6	2.6
Bawku Municipal	481	12.8	431	12.4	0	0.0	2	14.3	5	20.0	43	18.7
Builsa South	60	1.6	57	1.6	0	0.0	0	0.0	0	0.0	3	1.3
Nabdam	86	2.3	86	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Binduri	121	3.2	119	3.4	0	0.0	0	0.0	2	8.0	0	0.0
Pusiga	218	5.8	212	6.1	0	0.0	0	0.0	0	0.0	6	2.6



**Table A9.3: Distribution of services subsector establishments in Upper East/Upper West Regions by district**

Region/District	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Professional, Scientific and Technical	Administrative and support Service Activity	Public Administration and Defence	Edu-cation	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services	Services Total
<b>Upper East</b>	<b>6,353</b>	<b>64</b>	<b>2,055</b>	<b>82</b>	<b>102</b>	<b>2</b>	<b>127</b>	<b>115</b>	<b>195</b>	<b>1,316</b>	<b>329</b>	<b>88</b>	<b>2,451</b>	13,279
Builsa North	228	3	121	5	4	0	9	1	12	95	20	2	94	594
Kasena Nankana West	388	11	157	0	8	0	8	4	9	124	34	3	145	891
Kasena Nankana East	751	3	348	5	7	0	13	15	19	117	29	5	202	1,514
Bolgatanga Municipal	1967	29	592	48	42	1	62	50	45	217	55	60	629	3,797
Talensi	235	1	138	0	2	0	4	2	10	84	12	0	104	592
Bongo	296	2	133	1	3	0	9	4	13	117	31	3	127	739
Bawku West	347	2	87	2	5	1	6	8	10	110	29	2	167	776
Garu Tempene	436	2	116	8	6	0	2	5	7	149	44	1	301	1,077
Bawku Municipal	1138	9	119	10	19	0	10	15	43	107	36	9	382	1,897
Builsa South	86	1	60	2	2	0	1	3	3	50	11	0	39	258
Nabdam	89	0	85	0	1	0	0	2	6	44	9	0	52	288
Binduri	115	0	68	0	0	0	2	1	13	53	9	1	100	362
Pusiga	277	1	31	1	3	0	1	5	5	49	10	2	109	494

*Note: There are no persons engaged by both Household Employers and Extraterritorial Organisations establishments*

**Table A9.4: Distribution of agriculture subsector establishments in Upper East Region by district**

Region/District	Crops		Livestock		Forestry		Fishing		Agriculture Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper East</b>	<b>13</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>23</b>	<b>100.0</b>
Builsa North	3	23.1	0	0.0	0	0.0	0	1.0	3	13.0
Kasena Nankana West	0	0.0	1	11.1	0	0.0	0	2.0	1	4.3
Kasena Nankana East	2	15.4	1	11.1	1	100.0	0	3.0	4	17.4
Bolgatanga Municipal	3	23.1	2	22.2	0	0.0	0	4.0	5	21.7
Talensi	0	0.0	0	0.0	0	0.0	0	5.0	0	0.0
Bongo	0	0.0	0	0.0	0	0.0	0	6.0	0	0.0
Bawku West	2	15.4	2	22.2	0	0.0	0	7.0	4	17.4
Garu Tempene	1	7.7	1	11.1	0	0.0	0	8.0	2	8.7
Bawku Municipal	0	0.0	0	0.0	0	0.0	0	9.0	0	0.0
Builsa South	0	0.0	0	0.0	0	0.0	0	10.0	0	0.0
Nabdam	1	7.7	0	0.0	0	0.0	0	11.0	1	4.3
Binduri	1	7.7	2	22.2	0	0.0	0	12.0	3	13.0
Pusiga	0	0.0	0	0.0	0	0.0	0	13.0	0	0.0

**Table A9.5: Number of establishments in Upper East Region by district and LSM**

Region/District	Total		Large		Medium		Small		Micro	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper East Region</b>	<b>17,054</b>	100.0	<b>67</b>	100.0	<b>169</b>	100.0	<b>3,358</b>	100.0	<b>13,460</b>	100.0
Builsa North	701	4.1	4	6.0	9	5.3	173	5.2	515	3.8
Kasena Nankana West	1,088	6.4	2	3.0	11	6.5	243	7.2	832	6.2
Kasena Nankana East	1,835	10.8	8	11.9	20	11.8	263	7.8	1,544	11.5
Bolgatanga Municipal	5,005	29.3	23	34.3	58	34.3	946	28.2	3,978	29.6
Talensi	708	4.2	5	7.5	4	2.4	168	5.0	531	3.9
Bongo	1,006	5.9	3	4.5	12	7.1	226	6.7	765	5.7
Bawku West	1,043	6.1	8	11.9	12	7.1	196	5.8	827	6.1
Garu Tempene	1,399	8.2	1	1.5	12	7.1	300	8.9	1,086	8.1
Bawku Municipal	2,378	13.9	12	17.9	18	10.7	425	12.7	1,923	14.3
Builsa South	318	1.9	1	1.5	-	0.0	76	2.3	241	1.8
Nabdam	375	2.2	-	0.0	5	3.0	82	2.4	288	2.1
Binduri	486	2.8	-	0.0	4	2.4	128	3.8	354	2.6
Pusiga	712	4.2	-	0.0	4	2.4	132	3.9	576	4.3

**Table A9.6: Distribution of establishments in Upper East Region by district and size**

Regions/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Upper East Region</b>	<b>17,054</b>	<b>12,367</b>	<b>3,173</b>	<b>776</b>	<b>285</b>	<b>124</b>	<b>73</b>	<b>107</b>	<b>79</b>	<b>49</b>	<b>21</b>
Builsa North	701	477	133	45	19	8	6	7	2	3	1
Kasena Nankana West	1,088	766	223	53	19	10	3	6	6	1	1
Kasena Nankana East	1,835	1,465	219	83	23	12	4	12	9	6	2
Bolgatanga Municipal	5,005	3,661	877	218	90	41	28	39	26	19	6
Talensi	708	483	143	39	24	5	5	1	3	3	2
Bongo	1,006	707	209	46	16	7	4	9	5	2	1
Bawku West	1,043	756	195	44	13	7	7	6	6	5	4
Garu Tempene	1,399	970	331	55	15	10	4	7	6	1	0
Bawku Municipal	2,378	1,743	455	92	29	14	10	12	11	8	4
Builsa South	318	217	77	16	4	2	1	0	0	1	0
Nabdam	375	261	75	23	9	1	1	2	3	0	0
Binduri	486	335	94	33	15	5	0	4	0	0	0
Pusiga	712	526	142	29	9	2	0	2	2	0	0

**Table A9.7: Number of establishments in Upper East Region by type of institutional registration**

Region/District	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
<b>Upper East Region</b>	17,054	1,300	15,754	7.6	92.4	3.1	13.1	47.9	21.9
Builsa North	701	55	646	7.8	92.2	1.7	12.6	51.5	16.3
Kasena Nankana West	1,088	48	1,040	4.4	95.6	3.2	6.0	46.5	5.7
Kasena Nankana East	1,835	110	1,725	6.0	94.0	3.9	12.0	57.3	35.2
Bolgatanga Municipal	5,005	521	4,484	10.4	89.6	2.7	19.5	57.0	32.1
Talensi	708	25	683	3.5	96.5	2.7	6.1	47.0	6.9
Bongo	1,006	53	953	5.3	94.7	4.1	6.9	45.0	11.9
Bawku West	1,043	131	912	12.6	87.4	3.5	17.7	42.1	20.2
Garu Tempane	1,399	54	1,345	3.9	96.1	2.6	9.4	38.3	11.2
Bawku Municipal	2,378	239	2,139	10.1	89.9	4.3	14.5	35.5	27.8
Builsa South	318	31	287	9.7	90.3	2.2	14.8	59.4	8.5
Nabdam	375	2	373	0.5	99.5	1.1	0.8	29.1	1.6
Binduri	486	6	480	1.2	98.8	2.7	5.3	44.9	5.6
Pusiga	712	25	687	3.5	96.5	3.2	5.9	39.5	6.9

**Table A9.8: Number of establishments in Upper East Region by district and type of legal organization**

Region/District	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc)	Quasi Government	Parastatal Government	Non Governmental Organization	Cooperative	Association/Groups
<b>Upper East Region</b>	<b>17,054</b>	<b>12,648</b>	<b>1,622</b>	<b>290</b>	<b>61</b>	<b>105</b>	<b>1,387</b>	<b>64</b>	<b>19</b>	<b>563</b>	<b>14</b>	<b>281</b>
Builsa North	701	493	37	6	2	3	119	0	0	10	1	30
Kasena Nankana West	1,088	699	169	10	10	7	138	0	1	25	1	28
Kasena Nankana East	1,835	1,419	218	12	7	5	108	25	4	25	0	12
Bolgatanga Municipal	5,005	3,908	563	149	6	33	190	18	6	59	4	69
Talensi	708	526	45	2	1	23	66	4	0	27	2	12
Bongo	1,006	723	63	8	14	1	150	0	0	7	0	40
Bawku West	1,043	713	91	31	4	6	111	8	1	67	1	10
Garu Tempane	1,399	916	109	5	5	0	174	3	1	142	3	41
Bawku Municipal	2,378	1,839	212	53	10	8	117	5	6	106	1	21
Builsa South	318	202	39	4	1	11	49	0	0	7	0	5
Nabdam	375	301	12	0	0	2	54	0	0	4	0	2
Binduri	486	345	29	2	1	2	61	1	0	41	1	3
Pusiga	712	564	35	8	0	4	50	0	0	43	0	8

**Table A9.9: Number of establishments Upper East Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper East Region</b>	728	100.0	510	100.0	1,153	100.0	3,063	100.0	11,578	100.0
Builsa North	33	4.5	18	3.5	63	5.5	130	4.2	457	3.9
Kasena Nankana West	44	6.0	33	6.5	53	4.6	198	6.5	760	6.6
Kasena Nankana East	63	8.7	54	10.6	132	11.4	318	10.4	1,261	10.9
Bolgatanga Municipal	211	29.0	140	27.5	328	28.4	890	29.1	3,425	29.6
Talensi	20	2.7	8	1.6	31	2.7	131	4.3	518	4.5
Bongo	25	3.4	9	1.8	69	6.0	202	6.6	701	6.1
Bawku West	61	8.4	30	5.9	76	6.6	189	6.2	683	5.9
Garu Tempane	59	8.1	47	9.2	98	8.5	251	8.2	944	8.2
Bawku Municipal	134	18.4	108	21.2	174	15.1	415	13.5	1,547	13.4
Builsa South	12	1.6	12	2.4	43	3.7	39	1.3	212	1.8
Nabdam	9	1.2	4	0.8	14	1.2	82	2.7	266	2.3
Binduri	19	2.6	16	3.1	28	2.4	90	2.9	333	2.9
Pusiga	38	5.2	31	6.1	44	3.8	128	4.2	471	4.1

**Table A9.10: Number of industry sector establishments Upper East Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper East Region</b>	<b>97</b>	<b>100.0</b>	<b>83</b>	<b>100.0</b>	<b>188</b>	<b>100.0</b>	<b>682</b>	<b>100.0</b>	<b>2,701</b>	<b>100.0</b>
Builsa North	1	1.0	1	1.2	3	1.6	19	2.8	80	3.0
Kasena Nankana West	0	0.0	4	4.8	3	1.6	28	4.1	161	6.0
Kasena Nankana East	6	6.2	9	10.8	20	10.6	70	10.3	212	7.8
Bolgatanga Municipal	36	37.1	20	24.1	80	42.6	222	32.6	844	31.2
Talensi	0	0.0	1	1.2	1	0.5	21	3.1	93	3.4
Bongo	0	0.0	0	0.0	5	2.7	47	6.9	215	8.0
Bawku West	11	11.3	8	9.6	16	8.5	49	7.2	179	6.6
Garu Tempane	1	1.0	6	7.2	8	4.3	66	9.7	239	8.8
Bawku Municipal	20	20.6	16	19.3	29	15.4	85	12.5	331	12.3
Builsa South	0	0.0	4	4.8	3	1.6	6	0.9	47	1.7
Nabdam	0	0.0	0	0.0	3	1.6	18	2.6	65	2.4
Binduri	1	1.0	3	3.6	2	1.1	20	2.9	95	3.5
Pusiga	21	21.6	11	13.3	15	8.0	31	4.5	140	5.2



**Table A9.12: Number of agriculture sector establishments in Upper East Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper East Region</b>	<b>5</b>	100.0	<b>1</b>	100.0	<b>3</b>	100.0	<b>1</b>	100.0	<b>13</b>	100.0
Builsa North	1	20.0	0	0.0	1	33.3	0	0.0	1	7.7
Kasena Nankana West	0	0.0	0	0.0	0	0.0	0	0.0	1	7.7
Kasena Nankana East	0	0.0	0	0.0	1	33.3	1	100.0	2	15.4
Bolgatanga Municipal	2	40.0	0	0.0	1	33.3	0	0.0	2	15.4
Talensi	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bongo	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bawku West	1	20.0	1	100.0	0	0.0	0	0.0	2	15.4
Garu Tempene	1	20.0	0	0.0	0	0.0	0	0.0	1	7.7
Bawku Municipal	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Builsa South	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nabdam	0	0.0	0	0.0	0	0.0	0	0.0	1	7.7
Binduri	0	0.0	0	0.0	0	0.0	0	0.0	3	23.1
Pusiga	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

**Table A9.13: Distribution of persons engaged by establishments in Upper East Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector
<b>Upper East Region</b>	<b>88,753</b>	<b>17,142</b>	<b>71,231</b>	<b>380</b>	100.0	19.3	80.3	0.4
Builsa North	4,144	568	3,550	26	100.0	13.7	85.7	0.6
Kasena Nankana West	5,586	1,145	4,439	2	100.0	20.5	79.5	0.0
Kasena Nankana East	8,596	957	7,584	55	100.0	11.1	88.2	0.6
Bolgatanga Municipal	27,863	5,769	22,029	65	100.0	20.7	79.1	0.2
Talensi	4,361	1,048	3,313	-	100.0	24.0	76.0	0.0
Bongo	5,224	1,556	3,668	-	100.0	29.8	70.2	0.0
Bawku West	6,305	1,237	4,982	86	100.0	19.6	79.0	1.4
Garu Tempane	6,364	1,091	5,231	42	100.0	17.1	82.2	0.7
Bawku Municipal	11,956	2,048	9,908	-	100.0	17.1	82.9	0.0
Builsa South	1,444	209	1,235	-	100.0	14.5	85.5	0.0
Nabdam	1,786	282	1,486	18	100.0	15.8	83.2	1.0
Binduri	2,311	379	1,846	86	100.0	16.4	79.9	3.7
Pusiga	2,813	853	1,960	-	100.0	30.3	69.7	0.0

**Table A9.14: Distribution of persons engaged by establishments in Upper East Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)
<b>Upper East Region</b>	<b>88,753</b>	58.3	41.7	<b>17,142</b>	49.9	50.1	<b>71,231</b>	60.2	39.8	<b>380</b>	77.1	22.9
Builsa North	4,144	54.7	45.3	568	45.8	54.2	3,550	55.9	44.1	26	80.8	19.2
Kasena Nankana West	5,586	52.3	47.7	1,145	34.7	65.3	4,439	56.8	43.2	2	100.0	0.0
Kasena Nankana East	8,596	55.4	44.6	957	47.9	52.1	7,584	56.2	43.8	55	80.0	20.0
Bolgatanga Municipal	27,863	59.3	40.7	5,769	54.5	45.5	22,029	60.5	39.5	65	92.3	7.7
Talensi	4,361	52.3	47.7	1,048	68.3	31.7	3,313	47.2	52.8	0	0.0	0.0
Bongo	5,224	49.1	50.9	1,556	24.8	75.2	3,668	59.4	40.6	0	0.0	0.0
Bawku West	6,305	62.3	37.7	1,237	54.1	45.9	4,982	63.9	36.1	86	84.9	15.1
Garu Tempene	6,364	65.3	34.7	1,091	56.7	43.3	5,231	67.0	33.0	42	76.2	23.8
Bawku Municipal	11,956	64.5	35.5	2,048	59.8	40.2	9,908	65.4	34.6	0	0.0	0.0
Builsa South	1,444	57.3	42.7	209	56.9	43.1	1,235	57.4	42.6	0	0.0	0.0
Nabdam	1,786	46.0	54.0	282	23.0	77.0	1,486	49.9	50.1	18	83.3	16.7
Binduri	2,311	58.5	41.5	379	55.1	44.9	1,846	59.4	40.6	86	53.5	46.5
Pusiga	2,813	57.3	42.7	853	34.5	65.5	1,960	67.3	32.7	0	0.0	0.0

**Table A9.15: Distribution of persons engaged in the Upper East Region by district, sex and sector of establishment**

Region/District	Both Sexes				Male				Female			
	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture
<b>Upper East Region</b>	<b>88,753</b>	<b>17,142</b>	<b>71,231</b>	<b>380</b>	<b>51,730</b>	<b>8,560</b>	<b>42,877</b>	<b>293</b>	<b>37,023</b>	<b>8,582</b>	<b>28,354</b>	<b>77</b>
Builsa North	4,144	568	3,550	26	2,265	260	1,984	21	1,879	308	1,566	5
Kasena Nankana West	5,586	1,145	4,439	2	2,922	397	2,523	2	2,664	748	1,916	0
Kasena Nankana East	8,596	957	7,584	55	4,763	458	4,261	44	3,833	499	3,323	11
Bolgatanga Municipal	27,863	5,769	22,029	65	16,533	3,144	13,329	60	11,330	2,625	8,700	5
Talensi	4,361	1,048	3,313	0	2,279	716	1,563	0	2,082	332	1,750	0
Bongo	5,224	1,556	3,668	0	2,566	386	2,180	0	2,658	1,170	1,488	0
Bawku West	6,305	1,237	4,982	86	3,927	669	3,185	73	2,378	568	1,797	13
Garu Tempane	6,364	1,091	5,231	42	4,154	619	3,503	32	2,210	472	1,728	0
Bawku Municipal	11,956	2,048	9,908	0	7,707	1,224	6,483	0	4,249	824	3,425	0
Builsa South	1,444	209	1,235	0	828	119	709	0	616	90	526	0
Nabdram	1,786	282	1,486	18	821	65	741	15	965	217	745	3
Binduri	2,311	379	1,846	86	1,352	209	1,097	46	959	170	749	40
Pusiga	2,813	853	1,960	0	1,613	294	1,319	0	1,200	559	641	0

**Table A9.16: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Upper East</b>	<b>Total</b>	<b>26,699</b>	<b>20,422</b>	<b>8,841</b>	<b>4,660</b>	<b>2,701</b>	<b>1,939</b>	<b>3,978</b>	<b>5,323</b>	<b>6,610</b>	<b>7,580</b>
	<b>Male</b>	<b>13,410</b>	<b>12,073</b>	<b>5,235</b>	<b>2,877</b>	<b>1,730</b>	<b>1,305</b>	<b>2,551</b>	<b>3,534</b>	<b>4,446</b>	<b>4,569</b>
	<b>Female</b>	<b>13,289</b>	<b>8,349</b>	<b>3,606</b>	<b>1,783</b>	<b>971</b>	<b>634</b>	<b>1,427</b>	<b>1,789</b>	<b>2,164</b>	<b>3,011</b>
Builsa North	Total	1,040	867	509	306	169	159	266	138	471	219
	Male	450	436	289	188	101	120	201	87	298	95
	Female	590	431	220	118	68	39	65	51	173	124
Kasena Nankana West	Total	1,685	1,453	585	310	221	79	218	441	123	471
	Male	761	830	285	153	145	68	120	288	102	170
	Female	924	623	300	157	76	11	98	153	21	301
Kasena Nankana East	Total	3,030	1,397	958	375	255	108	444	618	886	525
	Male	1,393	776	531	217	133	63	249	388	675	338
	Female	1,637	621	427	158	122	45	195	230	211	187
Bolgatanga Municipal	Total	7,923	5,607	2,532	1,474	896	744	1,462	1,708	2,368	3,149
	Male	3,824	3,545	1,572	986	614	478	973	1,020	1,637	1,884
	Female	4,099	2,062	960	488	282	266	489	688	731	1,265
Talensi	Total	1,056	925	446	386	104	134	47	189	374	700
	Male	377	343	234	245	61	78	29	139	218	555
	Female	679	582	212	141	43	56	18	50	156	145
Bongo	Total	1,460	1,406	509	259	153	108	351	365	353	260
	Male	622	613	263	149	89	71	233	251	127	148
	Female	838	793	246	110	64	37	118	114	226	112
Bawku West	Total	1,689	1,226	501	222	154	185	195	367	667	1,099
	Male	989	803	292	148	116	149	140	269	346	675
	Female	700	423	209	74	38	36	55	98	321	424
Garu Tempene	Total	2,171	2,133	620	253	221	109	234	440	183	0
	Male	1,422	1,378	380	151	138	72	141	323	149	0
	Female	749	755	240	102	83	37	93	117	34	0

**Table A9.16: Number of persons engaged by district, sex and size of establishment (cont'd)**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
Bawku Municipal	Total	3,703	2,851	1,030	462	299	261	441	679	1073	1157
	Male	2,047	1,996	715	263	193	185	287	497	820	704
	Female	1,656	855	315	199	106	76	154	182	253	453
Builsa South	Total	510	506	182	65	44	25	0	0	112	0
	Male	273	329	96	31	25	0	0	0	74	0
	Female	237	177	86	34	19	25	0	0	38	0
Nabdam	Total	536	494	265	148	23	27	76	217	0	0
	Male	156	185	161	96	15	21	37	150	0	0
	Female	380	309	104	52	8	6	39	67	0	0
Binduri	Total	759	639	375	254	114	0	170	0	0	0
	Male	406	322	254	184	67	0	119	0	0	0
	Female	353	317	121	70	47	0	51	0	0	0
Pusiga	Total	1,137	918	329	146	48	0	74	161	0	0
	Male	690	517	163	66	33	0	22	122	0	0
	Female	447	401	166	80	15	0	52	39	0	0

**Table A9.17: Distribution of persons engaged by establishments in the Upper East Region by district, status of engagement and LSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro
<b>Upper East Region</b>	<b>88,753</b>	<b>13,890</b>	<b>9,001</b>	<b>33,698</b>	<b>32,164</b>	<b>66,015</b>	<b>11,732</b>	<b>7,733</b>	<b>23,555</b>	<b>22,995</b>	<b>22,738</b>	<b>2,158</b>	<b>1,268</b>	<b>10,143</b>	<b>9,169</b>
Builsa North	4,144	690	404	1,820	1,230	3,188	423	333	1,485	947	956	267	71	335	283
Kasena Nankana West	5,586	594	629	2,348	2,015	3,663	128	506	1,675	1,354	1,923	466	123	673	661
Kasena Nankana East	8,596	1,411	1,032	2,728	3,425	6,837	1,277	912	2,060	2,588	1,759	134	120	668	837
Bolgatanga Municipal	27,863	5,317	3,100	9,938	9,508	20,695	5,015	2,619	6,609	6,452	7,168	302	481	3,329	3,056
Talensi	4,361	1,074	236	1,755	1,296	3,196	1,027	202	1,136	831	1,165	47	34	619	465
Bongo	5,224	613	656	2,205	1,750	3,660	331	644	1,434	1,251	1,564	282	12	771	499
Bawku West	6,305	1,666	632	1,963	2,044	5,065	1,454	620	1,447	1,544	1,240	212	12	516	500
Garu Tempene	6,364	183	644	2,786	2,751	4,601	153	500	1,944	2,004	1,763	30	144	842	747
Bawku Municipal	11,956	2,230	970	4,153	4,603	9,043	1,816	870	2,964	3,393	2,913	414	100	1,189	1,210
Builsa South	1,444	112	0	702	630	1,054	108	0	465	481	390	4	0	237	149
Nabdam	1,786	0	293	822	671	1,402	0	256	622	524	384	0	37	200	147
Binduri	2,311	0	170	1,287	854	1,555	0	99	868	588	756	0	71	419	266
Pusiga	2,813	0	235	1,191	1,387	2,056	0	172	846	1,038	757	0	63	345	349

**Table A9.18: Distribution of persons engaged in Upper East Region by district and LMSM establishments**

Region/District	Number of Persons engaged					Percentage distribution by size				
	All	Large	Medium	Small	Micro	All	Large	Medium	Small	Micro
<b>Upper East Region</b>	<b>88,753</b>	<b>13,890</b>	<b>9,001</b>	<b>33,698</b>	<b>32,164</b>	<b>100.0</b>	<b>15.7</b>	<b>10.1</b>	<b>37.97</b>	<b>36.24</b>
Builsa North	4,144	690	404	1,820	1,230	100.0	16.7	9.7	43.92	29.68
Kasena Nankana West	5,586	594	629	2,348	2,015	100.0	10.6	11.3	42.03	36.07
Kasena Nankana East	8,596	1,411	1,032	2,728	3,425	100.0	16.4	12.0	31.74	39.84
Bolgatanga Municipal	27,863	5,317	3,100	9,938	9,508	100.0	19.1	11.1	35.67	34.12
Talensi	4,361	1,074	236	1,755	1,296	100.0	24.6	5.4	40.24	29.72
Bongo	5,224	613	656	2,205	1,750	100.0	11.7	12.6	42.21	33.50
Bawku West	6,305	1,666	632	1,963	2,044	100.0	26.4	10.0	31.13	32.42
Garu Tempene	6,364	183	644	2,786	2,751	100.0	2.9	10.1	43.78	43.23
Bawku Municipal	11,956	2,230	970	4,153	4,603	100.0	18.7	8.1	34.74	38.50
Builsa South	1,444	112	0	702	630	100.0	7.8	0.0	48.61	43.63
Nabdam	1,786	0	293	822	671	100.0	0.0	16.4	46.02	37.57
Binduri	2,311	0	170	1,287	854	100.0	0.0	7.4	55.69	36.95
Pusiga	2,813	0	235	1,191	1,387	100.0	0.0	8.4	42.34	49.31



**Table A9.19: Distribution of Persons Engaged in Upper East Region by district and LSM Establishment**

Region/District	All persons			Large-sized			Medium-sized			Small-sized			Micro-sized		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Upper East Region</b>	<b>88,753</b>	74.4	25.6	<b>13,890</b>	84.5	15.5	<b>9,001</b>	85.9	14.1	<b>33,698</b>	69.9	30.1	<b>32,164</b>	71.5	28.5
Builsa North	4,144	76.9	23.1	690	61.3	38.7	404	82.4	17.6	1,820	81.6	18.4	1,230	77.0	23.0
Kasena Nankana West	5,586	65.6	34.4	594	21.5	78.5	629	80.4	19.6	2,348	71.3	28.7	2,015	67.2	32.8
Kasena Nankana East	8,596	79.5	20.5	1,411	90.5	9.5	1,032	88.4	11.6	2,728	75.5	24.5	3,425	75.6	24.4
Bolgatanga Municipal	27,863	74.3	25.7	5,317	94.3	5.7	3,100	84.5	15.5	9,938	66.5	33.5	9,508	67.9	32.1
Talensi	4,361	73.3	26.7	1,074	95.6	4.4	236	85.6	14.4	1,755	64.7	35.3	1,296	64.1	35.9
Bongo	5,224	70.1	29.9	613	54.0	46.0	656	98.2	1.8	2,205	65.0	35.0	1,750	71.5	28.5
Bawku West	6,305	80.3	19.7	1,666	87.3	12.7	632	98.1	1.9	1,963	73.7	26.3	2,044	75.5	24.5
Garu Tempane	6,364	72.3	27.7	183	83.6	16.4	644	77.6	22.4	2,786	69.8	30.2	2,751	72.8	27.2
Bawku Municipal	11,956	75.6	24.4	2,230	81.4	18.6	970	89.7	10.3	4,153	71.4	28.6	4,603	73.7	26.3
Builsa South	1,444	73.0	27.0	112	96.4	3.6	0	0.0	0.0	702	66.2	33.8	630	76.3	23.7
Nabdram	1,786	78.5	21.5	0	0.0	0.0	293	87.4	12.6	822	75.7	24.3	671	78.1	21.9
Binduri	2,311	67.3	32.7	0	0.0	0.0	170	58.2	41.8	1,287	67.4	32.6	854	68.9	31.1
Pusiga	2,813	73.1	26.9	0	0.0	0.0	235	73.2	26.8	1,191	71.0	29.0	1,387	74.8	25.2

**Table A9.20: Distribution of persons engaged in establishments in Upper East Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											
		Overall	Sole Proprietorship	Partnership	Private Limited Company by Gurantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs)	Quasi Government	Parastatal Government	Non Governmental Organization (NGO)	Cooperative	Association/ Groups
<b>Upper East Region</b>	88,753	100.0	48.5	9.4	5.2	0.7	2.2	22.1	1.9	0.9	5.3	0.3	3.5
Builsa North	4,144	100.0	33.6	9.5	1.3	0.1	0.4	44.8	0.0	0.0	1.9	0.0	8.5
Kasena Nankana West	5,586	100.0	39.3	10.9	10.5	1.5	2.8	27.8	0.0	0.1	2.3	0.1	4.7
Kasena Nankana East	8,596	100.0	45.1	11.0	0.7	0.7	1.7	25.5	9.8	0.9	2.9	0.0	1.8
Bolgatanga Municipal	27,863	100.0	50.4	12.7	9.3	0.4	2.8	15.4	1.8	0.7	3.3	0.1	3.1
Talensi	4,361	100.0	49.8	6.1	0.3	0.1	6.5	21.6	0.6	0.0	12.9	0.1	2.0
Bongo	5,224	100.0	43.9	4.8	4.4	3.5	0.3	34.9	0.0	0.0	0.4	0.0	7.9
Bawku West	6,305	100.0	45.3	5.2	7.8	0.6	3.5	21.0	4.2	0.0	8.8	2.4	1.1
Garu Tempane	6,364	100.0	44.4	8.2	1.5	0.4	0.0	26.9	0.4	0.2	12.8	0.8	4.3
Bawku Municipal	11,956	100.0	58.3	8.2	3.5	0.8	0.6	14.8	0.5	4.3	6.2	0.3	2.5
Builsa South	1,444	100.0	49.0	6.6	1.8	0.2	5.5	31.2	0.0	0.0	3.3	0.0	2.4
Nabdam	1,786	100.0	49.6	2.5	0.0	0.0	1.7	39.7	0.0	0.0	1.2	0.0	5.4
Binduri	2,311	100.0	44.3	8.6	0.3	0.1	0.5	26.9	0.3	0.0	15.1	0.3	3.5
Pusiga	2,813	100.0	64.7	5.5	1.5	0.0	3.9	13.8	0.0	0.0	8.1	0.0	2.5

**Table A10.1: Distribution of establishments by sector and districts, Upper West Region**

Region/District	All Sectors		Industry		Service		Agriculture		Sectoral distribution (%)			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	All sectors	Industry	Services	Agriculture
Upper West Region	13,728	100.0	3,053	100.0	10,630	100.0	45	100.0	100.0	22.2	77.4	0.3
Wa West	997	7.3	244	8.0	752	7.1	1	2.2	100.0	24.5	75.4	0.1
Wa Municipal	5,370	39.1	1,166	38.2	4,191	39.4	13	28.9	100.0	21.7	78	0.2
Wa East	745	5.4	149	4.9	595	5.6	1	2.2	100.0	20	79.9	0.1
Sissala East	1,015	7.4	201	6.6	809	7.6	5	11.1	100.0	19.8	79.7	0.5
Nadowli-Kaleo	1,117	8.1	254	8.3	855	8.0	8	17.8	100.0	22.7	76.5	0.7
Jirapa	1,362	9.9	317	10.4	1,045	9.8	-	-	100.0	23.3	76.7	0
Sissala West	670	4.9	123	4.0	543	5.1	4	8.9	100.0	18.4	81	0.6
Lambussie Karni	680	5.0	165	5.4	515	4.8	-	-	100.0	24.3	75.7	0
Lawra	600	4.4	129	4.2	467	4.4	4	8.9	100.0	21.5	77.8	0.7
Daffiama Bussie	494	3.6	121	4.0	373	3.5	-	-	100.0	24.5	75.5	0
Nandom	678	4.9	184	6.0	485	4.6	9	20.0	100.0	27.1	71.5	1.3

**Table A10.2: Distribution of industry subsector establishments in Upper West Region by district**

Region/District	Industry Total		Manufacturing		Mining and Quarrying		Electricity and Gas		Water Supply, Sewerage, Waste Management		Construction	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper West Region</b>	3053	100.0	<b>2755</b>	100.0	6	100.0	19	100.0	11	100.0	262	100.0
Wa West	244	8.0	241	8.7	0	0.0	0	0.0	0	0.0	3	1.1
Wa Municipal	1166	38.2	969	35.2	5	83.3	9	47.4	2	18.2	181	69.1
Wa East	149	4.9	139	5.0	0	0.0	0	0.0	0	0.0	10	3.8
Sissala East	201	6.6	178	6.5	0	0.0	1	5.3	3	27.3	19	7.3
Nadowli-Kaleo	254	8.3	247	9.0	1	16.7	2	10.5	0	0.0	4	1.5
Jirapa	317	10.4	304	11.0	0	0.0	2	10.5	1	9.1	10	3.8
Sissala West	123	4.0	118	4.3	0	0.0	0	0.0	0	0.0	5	1.9
Lambussie Karni	165	5.4	156	5.7	0	0.0	2	10.5	1	9.1	6	2.3
Lawra	129	4.2	112	4.1	0	0.0	1	5.3	2	18.2	14	5.3
Daffiama Bussie	121	4.0	118	4.3	0	0.0	1	5.3	2	18.2	0	0.0
Nandom	184	6.0	173	6.3	0	0.0	1	5.3	0	0.0	10	3.8

**Table A10.3: Distribution of services subsector establishments in Upper West Region by district**

Region/District	Services Total	Wholesale and Retail Trade	Transportation and storage	Accommodation and Food	Information and Communication	Financial and Insurance	Real Estate	Professional, Scientific and Technical	Administrative and support Service Activity	Pub-lic Administration and Defence	Edu-cat-ion	Human Health and Social Work	Arts, Entertainment and Recreation	Other Services	Extraterritorial Organisations
<b>Upper West Region</b>	10,630	5691	51	1332	48	96	4	95	94	148	983	253	44	1790	1
Wa West	752	341	1	70	1	6	0	1	0	6	133	23	1	169	0
Wa Municipal	4,191	2666	32	274	30	42	2	70	56	56	187	54	34	688	0
Wa East	595	307	0	52	0	2	1	1	1	2	76	18	0	135	0
Sissala East	809	455	3	65	4	11	1	4	4	18	75	23	2	144	0
Nadowli-Kaleo	855	342	4	211	1	6	0	3	5	11	101	27	0	144	0
Jirapa	1,045	462	0	248	4	10	0	8	10	15	110	21	5	151	1
Sissala West	543	235	1	58	3	3	0	1	4	8	75	18	0	137	0
Lambussie Karni	515	264	4	93	1	5	0	3	4	7	56	20	1	57	0
Lawra	467	203	2	98	1	6	0	1	4	18	58	20	0	56	0
Daffiama Bussie	373	168	1	81	1	2	0	0	2	3	47	12	0	56	0
Nandom	485	248	3	82	2	3	0	3	4	4	65	17	1	53	0

**Table A10.4: Distribution of agriculture subsector establishments in Upper West region by district**

Region/District	Crops		Livestock		Forestry		Fishing		Agriculture Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper West</b>	<b>27</b>	100.0	<b>15</b>	100.0	<b>2</b>	100.0	<b>1</b>	100.0	<b>45</b>	100.0
Wa West	1	3.7	0	0.0	0	0.0	0	0.0	1	2.2
Wa Municipal	10	37.0	2	13.3	1	50.0	0	0.0	13	28.9
Wa East	1	3.7	0	0.0	0	0.0	0	0.0	1	2.2
Sissala East	4	14.8	0	0.0	1	50.0	0	0.0	5	11.1
Nadowli-Kaleo	3	11.1	5	33.3	0	0.0	0	0.0	8	17.8
Jirapa	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sissala West	2	7.4	2	13.3	0	0.0	0	0.0	4	8.9
Lambussie Karni	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lawra	3	11.1	1	6.7	0	0.0	0	0.0	4	8.9
Daffiama Bussie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nandom	3	11.1	5	33.3	0	0.0	1	100.0	9	20.0

**Table A10.5: Number of Establishments in Upper West Region by district and LSM**

Region/District	Large		Medium		Small		Micro		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper West Region</b>	<b>31</b>	<b>100.0</b>	<b>112</b>	<b>100.0</b>	<b>2,229</b>	<b>100.0</b>	<b>11,356</b>	<b>100.0</b>	<b>13,728</b>	<b>100.0</b>
Wa West	1	3.2	6	5.4	196	8.8	794	7.0	997	7.3
Wa Municipal	14	45.2	43	38.4	904	40.6	4,409	38.8	5,370	39.1
Wa East	5	16.1	14	12.5	116	5.2	610	5.4	745	5.4
Sissala East	2	6.5	12	10.7	176	7.9	825	7.3	1,015	7.4
Nadowli-Kaleo	4	12.9	6	5.4	167	7.5	940	8.3	1,117	8.1
Jirapa	3	9.7	9	8.0	181	8.1	1,169	10.3	1,362	9.9
Sissala West	-	0.0	1	0.9	138	6.2	531	4.7	670	4.9
Lambussie Karni	-	0.0	5	4.5	92	4.1	583	5.1	680	5.0
Lawra	1	3.2	4	3.6	109	4.9	486	4.3	600	4.4
Daffiama Bussie	-	0.0	2	1.8	49	2.2	443	3.9	494	3.6
Nandom	1	3.2	10	8.9	101	4.5	566	5.0	678	4.9

**Table A10.6: Distribution of establishments in Upper West Region by district and size**

Region/District	Size of establishment										
	Total	1-4	5-9	10-14	15-19	<b>20-24</b>	25-29	30-49	50-99	100-199	200+
<b>Upper West</b>	<b>13,728</b>	<b>10,620</b>	<b>2,108</b>	<b>517</b>	<b>182</b>	<b>101</b>	<b>44</b>	<b>68</b>	<b>56</b>	<b>20</b>	<b>12</b>
Wa West	997	744	165	54	18	5	4	3	3	1	0
Wa Municipal	5,370	4,077	868	205	89	47	20	32	17	9	6
Wa East	745	564	117	30	7	7	1	6	8	2	3
Sissala East	1,015	777	142	49	15	9	6	9	6	2	0
Nadowli-Kaleo	1,117	888	180	27	5	6	1	3	3	4	0
Jirapa	1,362	1,106	179	49	9	4	2	7	3	2	1
Sissala West	670	488	141	27	7	3	2	1	1	0	0
Lambussie Karni	680	547	94	16	9	7	2	2	3	0	0
Lawra	600	466	87	22	12	5	3	0	4	0	1
Daffiama Bussie	494	428	44	15	2	3	0	0	2	0	0
Nandom	678	535	91	23	9	5	3	5	6	0	1



**Table A10.7: Number of establishments in Upper West Region by type of institutional registration**

Region/District	Number of Establishments			Percentage of Establishments that are		Percentage of establishments registered with			
	Overall	Formal	Informal	Formal	Informal	EPA	RGD	DA	GRA
Upper West Region	13728	861	12,867	6.3	93.7	2	15.2	42.2	21.3
Wa West	997	23	974	2.3	97.7	2.2	5.7	20.9	3.6
Wa Municipal	5,370	545	4,825	10.1	89.9	2.5	17.7	67.3	41.9
Wa East	745	22	723	3	97	0.5	18.1	22.6	1.2
Sissala East	1,015	63	952	6.2	93.8	0.3	12.1	28	11.9
Nadowli-Kaleo	1,117	20	1,097	1.8	98.2	0.8	6.7	20.2	4.3
Jirapa	1,362	54	1,308	4	96	0.8	13.6	31.5	9.8
Sissala West	670	23	647	3.4	96.6	5.7	31.6	32.1	10.1
Lambussie Karni	680	26	654	3.8	96.2	2.4	9.6	23.7	6.8
Lawra	600	56	544	9.3	90.7	2.3	13.2	30.3	20
Daffiama Bussie	494	2	492	0.4	99.6	0.4	32.6	16.4	1.6
Nandom	678	27	651	4	96	2.5	6	33.6	11.5

*RGD: Register general department*

*EPA: Environmental protection agency*

*DA: District assembly*

*GRA: Ghana Revenue authority*

**Table A10.8: Number of establishments in Upper West Region by district and type of legal organization**

Region/District	Type of legal organization											
	Total	Sole Proprietorship	Partnership	Private Limited Company by District and Guarantee	Public Limited Company	Statutory	Other Governmental Institutions (MDAs etc.)	Quasi Government	Parastatal Government	Non Governmental Organization	Cooperative	Association/Groups
<b>Upper West</b>	<b>13,728</b>	<b>10,279</b>	<b>1,120</b>	<b>245</b>	<b>53</b>	<b>131</b>	<b>1,052</b>	<b>72</b>	<b>20</b>	<b>221</b>	<b>18</b>	<b>517</b>
Wa West	997	630	89	3	0	8	145	6	1	45	4	66
Wa Municipal	5,370	4,416	350	175	39	45	172	17	8	39	5	104
Wa East	745	474	97	6	0	24	68	2	1	1	0	72
Sissala East	1,015	709	96	17	1	14	97	2	0	14	3	62
Nadowli-Kaleo	1,117	772	92	9	3	2	89	27	1	28	3	91
Jirapa	1,362	1,046	125	12	3	9	114	7	4	13	2	27
Sissala West	670	443	33	2	0	2	99	0	2	69	0	20
Lambussie Karni	680	505	67	4	4	0	76	1	2	2	0	19
Lawra	600	410	71	10	0	4	84	2	1	4	1	13
Daffiama Bussie	494	352	38	1	2	1	59	3	0	2	0	36
Nandom	678	522	62	6	1	22	49	5	0	4	0	7

**Table A10.9: Number of establishments Upper West Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper West</b>	518	100.0	358	100.0	819	100.0	2,318	100.0	9,584	100.0
Wa West	27	5.2	15	4.2	55	6.7	160	6.9	738	7.7
Wa Municipal	203	39.2	170	47.5	310	37.9	913	39.4	3,702	38.6
Wa East	14	2.7	13	3.6	44	5.4	137	5.9	529	5.5
Sissala East	43	8.3	26	7.3	66	8.1	183	7.9	695	7.3
Nadowli-Kaleo	40	7.7	29	8.1	84	10.3	194	8.4	765	8.0
Jirapa	39	7.5	28	7.8	74	9.0	205	8.8	998	10.4
Sissala West	23	4.4	13	3.6	33	4.0	138	6.0	459	4.8
Lambussie Karni	25	4.8	12	3.4	37	4.5	103	4.4	501	5.2
Lawra	35	6.8	19	5.3	38	4.6	94	4.1	411	4.3
Daffiama Bussie	17	3.3	11	3.1	43	5.3	73	3.1	344	3.6
Nandom	52	10.0	22	6.1	35	4.3	118	5.1	442	4.6

**Table A10.11: Number of services sector establishments Upper West Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper West</b>	<b>423</b>	100.0	<b>290</b>	100.0	<b>652</b>	100.0	<b>1,793</b>	100.0	<b>7,357</b>	100.0
Wa West	26	6.1	14	4.8	46	7.1	131	7.3	533	7.2
Wa Municipal	146	34.5	124	42.8	235	36.0	699	39.0	2,922	39.7
Wa East	14	3.3	13	4.5	41	6.3	115	6.4	405	5.5
Sissala East	32	7.6	22	7.6	55	8.4	150	8.4	549	7.5
Nadowli-Kaleo	35	8.3	27	9.3	63	9.7	145	8.1	580	7.9
Jirapa	38	9.0	23	7.9	62	9.5	149	8.3	760	10.3
Sissala West	23	5.4	13	4.5	31	4.8	118	6.6	354	4.8
Lambussie Karni	19	4.5	12	4.1	31	4.8	77	4.3	374	5.1
Lawra	32	7.6	17	5.9	30	4.6	73	4.1	312	4.2
Daffiama Bussie	16	3.8	10	3.4	35	5.4	56	3.1	251	3.4
Nandom	42	9.9	15	5.2	23	3.5	80	4.5	317	4.3

**Table A10.12: Number of agriculture sector establishments Upper West Region by district and year of commencement**

Region/District	Before 1975		1975 - 1984		1985 - 1994		1995 - 2004		2005 - 2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Upper West</b>	<b>5</b>	100.0	<b>1</b>	100.0	<b>4</b>	100.0	<b>5</b>	100.0	<b>30</b>	100.0
Wa West	0	0.0	0	0.0	0	0.0	0	0.0	1	3.3
Wa Municipal	0	0.0	1	100.0	2	50.0	1	20.0	9	30.0
Wa East	0	0.0	0	0.0	0	0.0	1	20.0	0	0.0
Sissala East	2	40.0	0	0.0	0	0.0	1	20.0	2	6.7
Nadowli-Kaleo	1	20.0	0	0.0	1	25.0	0	0.0	6	20.0
Jirapa	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sissala West	0	0.0	0	0.0	0	0.0	0	0.0	4	13.3
Lambussie Karni	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lawra	1	20.0	0	0.0	0	0.0	1	20.0	2	6.7
Daffiama Bussie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nandom	1	20.0	0	0.0	1	25.0	1	20.0	6	20.0

**Table A10.13: Distribution of persons engaged by establishments in Upper West Region by district and sector**

Region/District	Number of Persons Engaged in				Percentage (%) of Persons Engaged in			
	All Sectors	Industry Sector	Service Sector	Institutional Agriculture Sector	All Sectors	Industry Sector	Service Sector	Institutional Agriculture sector
<b>Upper West Region</b>	<b>61,485</b>	<b>10,752</b>	<b>50,203</b>	<b>530</b>	100.0	17.5	81.7	0.9
Wa West	4,133	818	3,312	3	100.0	19.8	80.1	0.1
Wa Municipal	25,985	5,256	20,549	180	100.0	20.2	79.1	0.7
Wa East	4,929	393	4,517	19	100.0	8.0	91.6	0.4
Sissala East	4,747	651	3,951	145	100.0	13.7	83.2	3.1
Nadowli-Kaleo	4,406	771	3,571	64	100.0	17.5	81.0	1.5
Jirapa	5,137	989	4,148	-	100.0	19.3	80.7	0.0
Sissala West	2,586	376	2,180	30	100.0	14.5	84.3	1.2
Lambussie Karni	2,476	474	2,002	-	100.0	19.1	80.9	0.0
Lawra	2,587	365	2,177	45	100.0	14.1	84.2	1.7
Daffiama Bussie	1,416	203	1,213	-	100.0	14.3	85.7	-0.0
Nandom	3,083	456	2,583	44	100.0	14.8	83.8	1.4

**Table A10.14: Number of persons engaged in the Upper West Region by district, sex and sector of establishment**

Region/District	Both Sexes				Male				Female			
	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture	All Sectors	Industry	Service	Agriculture
<b>Upper West Region</b>	<b>61,485</b>	<b>10,752</b>	<b>50,203</b>	<b>530</b>	<b>37,726</b>	<b>6,243</b>	<b>31,073</b>	<b>410</b>	<b>23,759</b>	<b>4,509</b>	<b>19,130</b>	<b>120</b>
Wa West	4,133	818	3,312	3	2,522	333	2,186	3	1,611	485	1,126	0
Wa Municipal	25,985	5,256	20,549	180	15,648	3,405	12,092	151	10,337	1,851	8,457	29
Wa East	4,929	393	4,517	19	2,963	236	2,709	18	1,966	157	1,808	1
Sissala East	4,747	651	3,951	145	3,026	357	2,561	108	1,721	294	1,390	37
Nadowli-Kaleo	4,406	771	3,571	64	2,652	388	2,218	46	1,754	383	1,353	18
Jirapa	5,137	989	4,148	0	2,962	434	2,528	0	2,175	555	1,620	0
Sissala West	2,586	376	2,180	30	1,816	194	1,597	25	770	182	583	5
Lambussie Karni	2,476	474	2,002	0	1,585	257	1,328	0	891	217	674	0
Lawra	2,587	365	2,177	45	1,615	261	1,313	41	972	104	864	4
Daffiama Bussie	1,416	203	1,213	0	952	123	829	0	464	80	384	0
Nandom	3,083	456	2,583	44	1,985	255	1,712	18	1,098	201	871	26

**Table A10.15: Distribution of persons engaged by establishments in Upper West Region by district, sex and sector**

Region/District	All sectors			Industry			Service			Agriculture		
	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)	Number	Male (%)	Female (%)
<b>Upper West Region</b>	<b>61,485</b>	61.4	38.6	<b>10,752</b>	58.1	41.9	<b>50,203</b>	61.9	38.1	<b>530</b>	77.4	22.6
Wa West	4,133	61.0	39.0	818	40.7	59.3	3,312	66.0	34.0	3	100.0	0.0
Wa Municipal	25,985	60.2	39.8	5,256	64.8	35.2	20,549	58.8	41.2	180	83.9	16.1
Wa East	4,929	60.1	39.9	393	60.1	39.9	4,517	60.0	40.0	19	94.7	5.3
Sissala East	4,747	63.7	36.3	651	54.8	45.2	3,951	64.8	35.2	145	74.5	25.5
Nadowli-Kaleo	4,406	60.2	39.8	771	50.3	49.7	3,571	62.1	37.9	64	71.9	28.1
Jirapa	5,137	57.7	42.3	989	43.9	56.1	4,148	60.9	39.1	-	-	-
Sissala West	2,586	70.2	29.8	376	51.6	48.4	2,180	73.3	26.7	30	83.3	16.7
Lambussie Karni	2,476	64.0	36.0	474	54.2	45.8	2,002	66.3	33.7	-	-	-
Lawra	2,587	62.4	37.6	365	71.5	28.5	2,177	60.3	39.7	45	91.1	8.9
Daffiama Bussie	1,416	67.2	32.8	203	60.6	39.4	1,213	68.3	31.7	-	-	-
Nandom	3,083	64.4	35.6	456	55.9	44.1	2,583	66.3	33.7	44	40.9	59.1



**Table A10.16: Number of persons engaged by district, sex and size of establishment**

Region/District	Sex	Size of establishment									
		1-4	5-9	10-14	15-19	20-24	25-29	30-49	50-99	100-199	200+
<b>Upper West</b>	<b>Total</b>	<b>22,071</b>	<b>13,521</b>	<b>5,914</b>	<b>2,989</b>	<b>2,197</b>	1153	2443	3758	2574	4865
	<b>Male</b>	<b>13,713</b>	<b>7,918</b>	<b>3,562</b>	<b>1,840</b>	<b>1,359</b>	797	1607	2490	1877	2563
	<b>Female</b>	<b>8,358</b>	<b>5,603</b>	<b>2,352</b>	<b>1,149</b>	<b>838</b>	356	836	1268	697	2302
Wa West	Total	1,509	1,078	618	289	106	102	108	196	127	0
	Male	1,082	558	324	163	55	54	45	145	96	0
	Female	427	520	294	126	51	48	63	51	31	0
Wa Municipal	Total	8,835	5,500	2,364	1,450	1,022	518	1139	1100	1141	2916
	Male	4,813	3,334	1,518	917	617	389	791	664	871	1734
	Female	4,022	2,166	846	533	405	129	348	436	270	1182
Wa East	Total	1,237	731	338	119	153	26	228	507	320	1270
	Male	877	507	235	63	121	0	150	234	226	550
	Female	360	224	103	56	32	26	78	273	94	720
Sissala East	Total	1,695	907	544	247	193	160	318	427	256	0
	Male	1,104	551	334	132	80	95	236	308	186	0
	Female	591	356	210	115	113	65	82	119	70	0
Nadowli-Kaleo	Total	1,887	1,189	290	83	133	25	105	199	495	0
	Male	1,242	563	156	44	97	25	51	139	335	0
	Female	645	626	134	39	36	0	54	60	160	0
Jirapa	Total	2,171	1,165	567	146	86	51	247	225	235	244
	Male	1,410	531	272	101	57	47	114	160	163	107
	Female	761	634	295	45	29	4	133	65	72	137
Sissala West	Total	1,074	911	293	112	62	53	30	51	0	0
	Male	761	621	201	85	43	43	27	35	0	0
	Female	313	290	92	27	19	10	3	16	0	0
Lambussie Karni	Total	1,067	607	190	157	153	54	68	180	0	0
	Male	691	339	118	104	103	33	60	137	0	0
	Female	376	268	72	53	50	21	8	43	0	0

**Table A10.17: Distribution of persons engaged by establishments in the Upper West Region by district, status of engagement and MSM**

Region/District	Total					Permanent					Temporary				
	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro	All persons	Large	Medium	Small	Micro
<b>Upper West Region</b>	<b>61,485</b>	<b>7,339</b>	<b>5,911</b>	<b>22,484</b>	<b>25,751</b>	<b>46,173</b>	<b>5,705</b>	<b>4,814</b>	<b>15,893</b>	<b>19,325</b>	<b>15,312</b>	<b>1,198</b>	<b>1,097</b>	<b>6,591</b>	<b>6,426</b>
Wa West	4,133	127	304	1,943	1,759	2,886	112	176	1,206	1,392	1,247	15	128	737	367
Wa Municipal	25,985	3,957	2,129	9,404	10,495	20,206	3,867	1,784	6,792	7,763	5,779	90	345	2,612	2,732
Wa East	4,929	1,590	735	1,137	1,467	3,384	846	487	846	1,205	1,545	744	248	291	262
Sissala East	4,747	256	655	1,901	1,935	3,549	124	600	1,375	1,450	1,198	132	55	526	485
Nadowli-Kaleo	4,406	495	304	1,460	2,147	3,267	372	269	1,040	1,586	1,139	123	35	420	561
Jirapa	5,137	479	442	1,730	2,486	3,596	0	370	986	1,804	1,541	43	72	744	682
Sissala West	2,586	0	51	1,246	1,289	1,988	0	43	953	992	598	0	8	293	297
Lambussie Karni	2,476	0	248	981	1,247	1,986	0	226	794	966	490	0	22	187	281
Lawra	2,587	200	279	1,115	993	1,874	149	223	811	691	713	51	56	304	302
Daffiama Bussie	1,416	0	136	488	792	1,184	0	129	369	686	232	0	7	119	106
Nandom	3,083	235	628	1,079	1,141	2,253	235	507	721	790	830	0	121	358	351

**Table A10.18: Distribution of persons engaged in Upper West Region by district and LSM establishments**

Region/District	Number of Persons engaged					Percentage distribution by size				
	All	Large	Medium	Small	Micro	All	Large	Medium	Small	Micro
<b>Upper West Region</b>	<b>61,485</b>	<b>7,339</b>	<b>5,911</b>	<b>22,484</b>	<b>25,751</b>	<b>100.0</b>	<b>11.9</b>	<b>9.6</b>	<b>36.6</b>	<b>41.9</b>
Wa West	4,133	127	304	1,943	1,759	100.0	3.1	7.4	47.0	42.6
Wa Municipal	25,985	3,957	2,129	9,404	10,495	100.0	15.2	8.2	36.2	40.4
Wa East	4,929	1,590	735	1,137	1,467	100.0	32.3	14.9	23.1	29.8
Sissala East	4,747	256	655	1,901	1,935	100.0	5.4	13.8	40.0	40.8
Nadowli-Kaleo	4,406	495	304	1,460	2,147	100.0	11.2	6.9	33.1	48.7
Jirapa	5,137	479	442	1,730	2,486	100.0	9.3	8.6	33.7	48.4
Sissala West	2,586	0	51	1,246	1,289	100.0	0.0	2.0	48.2	49.8
Lambussie Karni	2,476	0	248	981	1,247	100.0	0.0	10.0	39.6	50.4
Lawra	2,587	200	279	1,115	993	100.0	7.7	10.8	43.1	38.4
Daffiama Bussie	1,416	0	136	488	792	100.0	0.0	9.6	34.5	55.9
Nandom	3,083	235	628	1,079	1,141	100.0	7.6	20.4	35.0	37.0

**Table A10.19: Distribution of persons engaged in Upper West Region by district and LSM Establishments**

Region/District	All persons			Large			Medium			Small			Micro		
	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)	Number	Permanent (%)	Temporary (%)
<b>Upper West Region</b>	<b>61,485</b>	75.1	24.9	<b>7,339</b>	77.7	22.3	<b>5,911</b>	81.4	18.6	<b>22,484</b>	70.7	29.3	<b>25,751</b>	75.0	25.0
Wa West	4,133	69.8	30.2	127	88.2	11.8	304	57.9	42.1	1,943	62.1	37.9	1,759	79.1	20.9
Wa Municipal	25,985	77.8	22.2	3,957	97.7	2.3	2,129	83.8	16.2	9,404	72.2	27.8	10,495	74.0	26.0
Wa East	4,929	68.7	31.3	1,590	53.2	46.8	735	66.3	33.7	1,137	74.4	25.6	1,467	82.1	17.9
Sissala East	4,747	74.8	25.2	256	48.4	51.6	655	91.6	8.4	1,901	72.3	27.7	1,935	74.9	25.1
Nadowli-Kaleo	4,406	74.1	25.9	495	75.2	24.8	304	88.5	11.5	1,460	71.2	28.8	2,147	73.9	26.1
Jirapa	5,137	70.0	30.0	479	0.0	100.0	442	83.7	16.3	1,730	57.0	43.0	2,486	72.6	27.4
Sissala West	2,586	76.9	23.1	0	0.0	0.0	51	84.3	15.7	1,246	76.5	23.5	1,289	77.0	23.0
Lambussie Karni	2,476	80.2	19.8	0	0.0	0.0	248	91.1	8.9	981	80.9	19.1	1,247	77.5	22.5
Lawra	2,587	72.4	27.6	200	74.5	25.5	279	79.9	20.1	1,115	72.7	27.3	993	69.6	30.4
Daffiama Bussie	1,416	83.6	16.4	0	0	0	136	94.9	5.1	488	75.6	24.4	792	86.6	13.4
Nandom	3,083	73.1	26.9	235	100.0	0.0	628	80.7	19.3	1,079	66.8	33.2	1,141	69.2	30.8

**Table A10.20: Distribution of persons engaged in establishments in Upper West Region by district and type of legal organization**

Region/District	Total Number of Persons Engaged	Percentage of Persons Engaged by											
		Overall	Sole Proprietor ship	Partner ship	Private Limited Company by Gurantee	Public Limited Company	Statutory	Other Govern- mental Institu- tions (MDAs)	Quasi Govern- ment	Para- statal Govern- ment	Non Govern- mental Organization (NGO)	Coope- rative	Associa- tion/ Groups
<b>Upper West Region</b>	61,485	100.0	50.9	7.6	2.9	1.6	4.0	19.3	2.8	0.2	2.8	0.3	7.8
Wa West	4,133	100.0	42.5	5.3	0.3	0.0	6.6	28.7	0.7	0.0	6.5	1.0	8.3
Wa Municipal	25,985	100.0	60.4	6.6	4.6	3.5	3.7	13.0	2.9	0.1	1.9	0.2	3.0
Wa East	4,929	100.0	26.5	12.1	1.0	0.0	5.0	8.5	0.2	0.1	0.1	0.0	46.4
Sissala East	4,747	100.0	46.0	6.7	4.1	0.3	9.9	21.2	0.8	0.0	3.4	0.4	7.2
Nadowli-Kaleo	4,406	100.0	49.3	10.0	1.3	0.3	0.3	19.8	3.8	0.2	5.6	0.6	8.9
Jirapa	5,137	100.0	53.1	5.8	1.8	0.5	3.4	23.3	7.2	0.5	1.6	0.4	2.3
Sissala West	2,586	100.0	44.0	4.3	0.3	0.0	0.7	29.2	0.0	0.6	15.4	0.0	5.6
Lambussie Karni	2,476	100.0	51.9	8.5	0.9	1.2	0.0	32.1	0.4	0.1	0.7	0.0	4.2
Lawra	2,587	100.0	38.9	7.2	3.5	0.0	2.0	35.8	8.2	0.3	0.5	0.1	3.5
Daffiama Bussie	1,416	100.0	44.8	5.1	0.9	0.4	0.6	38.9	0.6	0.0	0.6	0.0	8.1
Nandom	3,083	100.0	44.1	15.6	1.0	0.4	7.5	24.2	4.4	0.0	0.7	0.0	2.0