The Contribution and Challenges Faced by Private Developers in Addressing the Housing Deficit in Ghana

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A project report submitted in partial fulfilment of the requirements for the award of the degree of Master of Science (Real Estate)

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To my lovely wife Emily Afrane
and my children Freduah Agyemang Afrane,
Aseda Naana Sarpong Afrane and
Nkunim Maame Afia Boakyewaah Afrane
for their patience and understanding when
I decided to embark on further studies far away from them
A special appreciation to my in-laws for
their supports to my family during my absence
Lastly to my Mum and Dad
for their words of encouragement
which have brought me this far in my life career
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ABSTRACT

The importance of housing in the economic and social development of a nation cannot be over emphasised. Housing is the key element in the generation of economic growth and development. The state of housing has had strong positive impact on the growth and development of society. Ghana has suffered for many years in trying to solve the housing situation. The inability of governments to resolve the housing challenges has resulted in a housing deficit of well over one million houses. By this reason the private developers have been sought to supplement the provision of housing to address the situation. However, the development of houses by private developers has been limited by number of challenges and these have affected their performances in the housing industry. Therefore, it was against this background the study was carried out to examine the contribution and challenges of private developers in addressing the housing deficit in Ghana. The study employed questionnaire survey and purposive sampling technique. The data were analyzed using Average Mean Score, Cross-tabulation and Frequency analysis. The findings from the study revealed that, consistent change of government, inadequate mortgage finance, defective land tenure system and among others are the major factors influencing housing deficit in Ghana. Whilst high cost of land, delay in obtaining building permit and lack of mortgage finance are also the major challenges hindering the performance of private developers in addressing the housing deficit in Ghana. Hence Government provision of land from the land banks, streamlining the land tenure system by proper implementation of Land Administration Project (LAP), assisting the developers to access mortgage loan at low rate and speeding up the process of obtaining building permit are recommended to help address the housing deficit in Ghana.
ABSTRAK

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<th>Abbreviation</th>
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<tr>
<td>CDD</td>
<td>Centre for Democratic Development</td>
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<tr>
<td>CHF</td>
<td>Cooperative Housing Foundation</td>
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<td>GREDA</td>
<td>Ghana Real Estate Developers Association</td>
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<td>GoG</td>
<td>Government of Ghana</td>
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<tr>
<td>IEA</td>
<td>Institute of Economic Affairs</td>
</tr>
<tr>
<td>IMF</td>
<td>International Monetary Fund</td>
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<td>MWRWH</td>
<td>Ministry of Water Resources, Works and Housing</td>
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1.1 Background of the Study

It is well known that shelter is one of the basic needs of human survival in addition to food and clothing. Therefore, for any developing country the provision of shelter is of paramount importance to low- and moderate-income households (Ametefe et al., 2011). Hence, the importance of housing to individual lives, community living and society as suggested by UN-Habitat (2011) cannot be over-estimated. This made Ebie (2009) concluded that, housing is the most important of all rights because of its importance attach to provision and coupled with the fact that housing in all its ramifications is more than mere shelter since it embraces all social services and utilities that go to make a community or neighbourhood a liveable environment.

Having identified housing as very important sub-sector of the economy and a critical factor in tackling poverty, social stabilization and economic growth, many governments over the world have been committed in improving housing situations of their countries which Ghana is no exception (GoG/MWRWH, 2012).
Unfortunately, the gap between intentions and achievements is wide both in the rural and urban settings (UN-Habitat, 2010). Now the country is faced with a housing deficit of well over one million houses (GoG/MWRWH, 2012) and this figure keeps compounding annually due to government inability through its appropriate ministry/department to develop schemes to meet the housing needs of the people (Mahama and Antwi, 2006; Sasu 2008).

Currently, the concern of housing programme trend in the new era is significantly important. As Ogu & Ogbuoze (2001) opined that, many African countries had incurred a huge sum of dollars in an attempt to implement public housing programme to solve the acute shortage of housing, but all of these have been proven futile. Ogu & Ogbuoze (2001) further stated that, a change from public provision to enabling strategies for private housing development may not miraculously solve every housing problem in the country, but then it has the potential to make a huge contribution towards the alleviation of housing deficit situations.

This according to Nugent (2004), when Ghana embarked on the World Bank/IMF supported Economic Recovery Programme (ERP) and Structural Adjustment Programme (SAP) to restore macro-economic stability and growth in 1983, the government was advised to withdraw from various sectors of the economic. In line with the economic policy of the time, government housing policy took a dramatic departure from that of the proceeding decades – mainly geared towards facilitating and creating enable environment for private sector participation in housing delivery. This period however marked the emergence on the Ghanaian housing market of private real estate companies. The contribution of private real estate developers in recent times has been welcomed by many as they are making all effort to boost the supply of houses to meet the housing stock deficit in the country (Bank of Ghana, 2007).
1.2 Problem Statement

The severity of housing problem in Ghana had called for various governments’ interventions and implementation of policies. However, the ability to meet this motive has been a tall order (Mahama and Antwi 2006). As a result, the private developers have been sought to supplement the provision of housing via an emerging real estate construction industry (Business World Ghana, 2012). However, the development of houses by private estate developers has been limited by number of challenges and these have affected their performances in the housing industry.

According to Daily Graphic (2012), one of the problems facing the industry has been identified as high cost of urban residential land. The industry over the years has been battling with very high cost of land in the urban centres due to lack of transparency in land transaction. This according to Dr. Tweneboah, the immediate past president of GREDA who attributed the high percentage of vacant land available for development to behaviour of some traditional rulers who treat stool lands which by the constitution of Ghana are not saleable but only alienable by lease and consideration payable thereof is ground rent. He pointed out that, the law only exist in principle but not in practice because the occupier of the stool collects a freehold value for the release of land to the private developer and executes a leasehold agreement with dotted lines representing unreserved ground rent for determination by the stool land administrator who is constitutionally mandated to collect all consideration for the stool lands. Therefore, this practice amounts to a double portion for the same land thereby increasing the price of the land and there is no place where such situation is very severe than in Accra, the capital.

High cost of the land itself as suggested by Business World Ghana (2012) is said to be only one of the many problems associated with land acquisition. However, the concerns surrounding the procurement are a bigger problem for those wanting to
purchase. Ghana has a complex land tenure system. Business World Ghana (2012) further stated that, ownership is often difficult to identify, the processes are bogged down by bureaucracy and there are continuous reports of exploitation whereby people are allowed to sell lands severally (multiple sales) depriving the legitimate owners of their property. This according to UN-Habitat (2010) has resulted in multiple sales of land which has also led to many land litigation issues. The courts in Ghana now are over choked with numerous land litigations. With about 80% cases before the court are land related. Lack of secure tenure renders a large scale housing delivery system difficult if not impossible in Ghana.

Moreover, there is also a problem of high cost of funds due and non-availability of long term capital to the housing industry (Kyeremateng, 2012). This is due to the fact that, there are inadequate mortgage financing institutions in Ghana as they are commonly found in the developed countries (Bank of Ghana, 2007). They are few private commercial banks in Ghana that deals in mortgage financing. However, the costs of borrowing money from these institutions are very high and this has made it impossible for the private developers to contract loans from them. Furthermore, most of these institutions lack substantial equity capital to fund long term projects in real estate in Ghana.

Residential infrastructure has also been identified as another challenge facing the real estate developers in Ghana according to UN-Habitat (2010). As a matter of fact there are few or no existences of provisions infrastructure and services in new areas allocated for development. As a result, the private developers are expected to provide by all these services by themselves. Therefore, the costs of providing all these tend to add up to the cost of construction thereby increasing the house prices and this in a way defeat the aim of housing affordability.
Lastly, high cost of building materials has also been identified as one of the challenges militating against the private real estate developers in the housing industry. According to Danso and Manu (2013), the high-cost of building materials in Ghana, has resulted in the overall high-cost of construction. The prices of building materials keeps on increasing every day due to high taxes charged on importation of building materials. Due to this fact, the real estate industry finds it very difficult to deal with such situation because of its effects on the cost of housing construction.

### 1.3 Research Questions

1. What are the major factors influencing housing deficit in Ghana?
2. What are the contributions and challenges facing the private real estate developers in the housing industry?
3. How effective is government support to the developers in overcoming the challenges in the housing industry?

### 1.4 Research Objectives

1. To identify the major factors influencing housing deficit in Ghana.
2. To determine the contributions and challenges facing private real estate developers in the housing industry.
3. To find out how effective is government support to the developers in overcoming the challenges confronting them in the housing industry.
1.5 **Significance of the Study**

There have been a lot of research in the area of housing but not much have been done about private developers in the housing delivery in Ghana. It is worth noting that, currently the private developers are one of the key stakeholders in partnering the government in providing housing to many parts in the world which Ghana is no exception. The study in this case seeks to bring to bear the challenges private developers are facing in addressing the housing deficit and how government will be more proficient in supporting the private real estate developers to step up their efforts in supplying affordable housing to meet the demand of Ghanaians. By so doing it will however help in increasing the housing stock and this to some extent reduce the housing deficit which has been the major challenge confronting governments over the years. Therefore, the findings from the study will serve as a useful report to the government and also as a guideline to overcome the challenges in the housing industry.

1.6 **Scope of Study**

The study is limited to the contribution of private real estate developers in their attempt to increase the provision of housing in Ghana. The study further examines the problems facing the private real estate developers in the housing industry which are making it difficult to address the housing deficit. The study however covers only private developers in Accra, the capital city of Ghana.
1.7 Choice of Study Area

Ghana similar to several African countries is going through challenges in the provision of housing. Because of this, it has led to serious housing conditions in many parts of the country where rooms are overcrowded with a lot of people and there is nowhere in Ghana the housing situation is so severe than in the largest metropolis and national capital, Accra (Owusu, 2008). This is due to the facts that, high urban population and constant attention of industries and commercial activities in the capital have resulted in high pressure on the existing housing. Therefore, as a result of this severity in the capital influenced the choice of the study area.

1.8 Limitation of the study

In Ghana information’s relating to housing are very scanty. However, those available are have not been updated especially with housing statistics. Therefore, making references to support the study made it difficult. Moreover, the study area was also a major limitation. This is due to the time factor the researcher could not travel to conduct the survey questionnaire but relied on research assistants for the collection of data from the respondents. As a result, personal interview with the developers which could have enriched the study was not able to carry out. However, none of these difficulties were sufficient to over-rid the significance of this study.
1.9 **Organization of the study**

This study is divided into six chapters. Chapter one deals with introduction and comprises with the introduction, problem statement, objective of the study, research questions, significance of the study, scope of the study, choice of the study area, limitation of the study and organization of the study.

Chapter two seeks to review certain literatures that have been dealt into on this problem of study so as to be able to make the necessary additional into the problem bare to the users of this research work. This will help in making the necessary recommendations therein.

Furthermore, chapter three focused on the research methodology used for the study. This chapter discussed the research design, research instrument, data collection, procedures and analysis for the study.

The chapter four deals with the case study area of the research and it provides a little background of socio-economic characteristics of Ghana. Moreover, it also profiled housing condition in Accra.

Again, chapter five deals with data presentation analysis and discussion from the field. This chapter is therefore the main body of the research work where the data from the field of study were analysed. Moreover, tables and diagrams were used in the assessment of the information so required.

Chapter six is the last part of the study. This deals with summary of findings, recommendations and conclusion of the study.
1.10 Methodology of the Study

The flow of the study is categorised into theories and empirical aspects. Each aspect contains several steps involved in the study process. The flow of the study is depicted on the flow chart (figure 1.1) below.

Figure 1.1: Flow Chart of the Research Methodology
Figure 1.1 above shows the various stages involve in the study and all these have been explained in detailed below.

Stage 1 is the first stage and it mainly concentrates on identifying the problem statement, the objective, significant and the scope of the study. The idea for the problem statement is to identify the challenges facing the private developers in the housing industry.

Stage 2 is the theoretical review of the study. The emphasis is on gathering theories that are relevant to the study. The focus for this step is to understand the very key issues mentioned in this study. These key issues are factors influencing housing deficit, housing delivery and private developers’ contribution to production of housing.

Stage 3 involves the gathering of data to gain more understanding for this study. In order to achieve the objectives set for this study responses will be collected from private developers through survey questionnaires.

Stage 4 is where the data collected from the field of study will be analyzed. In order to achieve objective 1, Average Mean and Cross-tabulation using correlation will be used. Objective 2 will be achieved using frequency analysis and while objective 3 will be achieved through frequency analysis and Cross-tabulation using correlation.

Stage 5 is the last stage of the study. The outcome of the analysis will be used for final discussions regarding the contribution and challenges of private developers in the housing industry of Ghana. However, suggestions and recommendations will be made to help strengthen the housing industry so as to increase production of housing.
REFERENCES


Ghanaweb (2012). Housing Deficit to Double. Available at (http://www.ghanaweb.com) [accessed on December, 2013]


GoG/MWRWH (2012). Brief on Ghana National Housing Project. Available at (http://www.ghan.gov.gh) [accessed on October, 2013]

GREDA Website. Available at (http://www.gredaghana.org/) [accessed on February, 2014]

Hamzah, M. (2002). Housing Policies in Third World Countries: Similarities and Contrasts, Kuala Lumpur, INTAN.


Modernghana (2009). Housing Delivery - Blue Rose to Play a Role. Available at [http://www.modernghana.com] [accessed on October, 2013]


UN-Habitat (2011). Ghana Housing Profile. Available at (www.unhabitat.org)
Yankson, P. (2012), Landlordism and Housing Production in Greater Accra Metropolitan Area.