

PDF - THE EFFECTIVENESS AND OBSTRUCTS OF SANDCRETE AND CONCRETE BLOCK IN A FOUNDATION SYSTEM - researchcub.info **TABLE OF CONTENT**

Title page	i
Certification	ii
Dedication	iii
Acknowledgement	iv
Abstract	v
Table of Content	vi-viii

CHAPTER ONE

- 1.0 Introduction
- 1.1 Background of the Studies
- 1.2 Aims and Objectives
- 1.3 Scope of study
- 1.4 Observation of the project
- 1.5 Limitation to the project

CHAPTER TWO

- 2.0 Literature Review
- 2.1 Concrete
- 2.2 Cement
- 2.3 Aggregates
- 2.4 Water
- 2.5 Blocks
- 2.6 Characteristics of block

CHAPTER THREE

- 3.0 Research Methodology
- 3.1 Site Investigation
- 3.2 Block Moulding
- 3.3 Tools used for block making
- 3.4 Culvert

CHAPTER FOUR

- 4.0 Results and Analysis
- 4.1 Setting out the Building
- 4.2 Excavation
- 4.3 Foundation
- 4.4 Plastering
- 4.5 Flooring
- 4.6 Roofing

CHAPTER FIVE

- 5.0 Summary, Recommendation and Conclusion
- 5.1 Summary
- 5.2 Recommendation

5.3 Conclusion

References

CHAPTER ONE

1.0 INTRODUCTION

1.1 BACKGROUND OF THE STUDY

This project work describes the practical experience of a construction of block moulding with concrete and sandcrete in the department of civil engineering and the faculty of engineering.

This project provides a proven base of knowledge for effective use of theory being taught in the lecture room. A student being denied practical aspect of building, moulding of blocks, construction of culvert e.t.c. will not be relevant or performed brilliantly when called upon to supervise simple project, such student will not be able to defend his/her certificate after his/her educational career.

From the background of Civil Engineering materials, it is known that it has not been stated that sandcrete block with the mixture of sand and cement or other constituents can also be used as alternative for blocking materials.

According to the research of different soils engineer's textbooks and from internet. It has not been discovered that sandcrete hollow block can be used as alternates for sandcrete materials. According to Ravindrok and Jackson [civil engineering materials 1990] and various applied researchers are able to mention the materials, which are available for sandcrete materials, such as sand, cement and water.

Depending in the project, sandcrete blocks have become obvious useful in different types of civil engineering work in the past and recent times all sandcrete bricks have similar uses, their properties differ in some respect depending on the materials used and method of manufacture to understand these properties. It is essential that sandcrete blocks are to be used the general prevention of the product and satisfactory behaviour in services is highly important.

1.2 AIMS AND OBJECTIVES

The aim and objectives of this project is to have a practical experience on how a block is constructed using the various construction tools.

1. To enlighten the students in the used of different engineering tools for different job.
2. To enlightens the civil engineering student in the used of different works.
3. To let them known the ratio of each mix for a building construction work e.g. the ratio of block moldings, plastering and rendering e.t.c
4. To enable the student be able to identify different types of sand and when they are use for a OnstrucfiOfI of a building.
5. To improve the standard of the student for better used.
6. To improve standard of learning in the faculty i.e. by building a block industry, store and reservoir for the development of the department.
7. To know the water absorption of different types of block and their densities.

1.3 SCOPE OF STUDY

The scope of the study limit on the practical experience of a building with reference to the construction of the department of Civil Engineering Block Industry in the steps taking in the construction, what should be put

in place tools to be used, material which is require, quantity of material to be used as well on the price and cost of each material used throughout the project work.

1.4 OBSERVATION OF THE PROJECT

Our observation mostly, during this study and project is that the project has given to manly investigation research and different means of collecting data on the site, textbook, Internet and other ways of collecting data. It also helped us to have knowledge and understanding on the topic

1.5 LIMITATION TO THE PROJECT

These are the factors that make the execution of this project delayed, namely:

Time aspect

Financial problem

Mechanical problem

Misunderstanding among the student

Poor arrangement for commencement of the project

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