CE 4000 (Project/Thesis)

"DEVELOPMENT OF GREEN CONCRETE UTILIZING RECYCLED PET PLASTIC WITH SILICA FUME AND FLY ASH REINFORCED BY COCONUT COIR FIBER"

Submitted by

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BACHELOR OF SCIENCE IN CIVIL ENGINEERING



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Qadirabad Cantonment, Natore-6431, Bangladesh.

Month, Year (defense month and year)

M



CE 4000 (Project/Thesis)

"DEVELOPMENT OF GREEN CONCRETE UTILIZING RECYCLED PET PLASTIC WITH SILICA FUME AND FLY ASH REINFORCED BY COCONUT COIR FIBER"

This project/thesis paper is submitted to the Department of Civil Engineering of Bangladesh Army University of Engineering & Technology (BAUET), in partial fulfillment of the requirements for the degree of Bachelor of Science in Civil Engineering.

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STUDENT'S DECLARATION

I/We hereby declare that this project/thesis is my/our original work and it has been written by us entirely. To the best of my/our knowledge and belief, the project/thesis contains no materials previously published or written by another person, or have been accepted for the award of any other degree or diploma at any other educational institution or at Bangladesh Army University of Engineering and Technology (BAUET), except where due reference is cited. Furthermore, the project/thesis complies with PLAGIARISM and ACADEMIC INTEGRITY regulation of the Department of Civil Engineering, BAUET.

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SUPERVISOR'S APPROVAL

Is is to certify that the project/thesis titled "Development of Green Concrete lizing Recycled PET Plastic with Silica Fume and Fly Ash Reinforced by conut Coir Fiber" have carried out by Student-1 (Full ID), Student-2 (Full ID) 1 Student-3 (Full ID) under my supervision and that they have fulfilled the uirements for the degree of Bachelor of Science in Civil Engineering on Month, ar.

Supervisor's Name

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Sample -01:

First and foremost, the authors would like to express their gratitude to the Supreme Being, without whose blessings this project/thesis would not have been possible. The authors express their sincere appreciation and deepest gratitude to their respected supervisor *SUPERVISOR'S NAME*, Designation, Department of Civil Engineering, Bangladesh Army University of Engineering & Technology (BAUET), for his guidance, constant encouragement, expertise and assistance throughout the course of this project/thesis.

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Finally, the authors like to express their gratitude to the Department of Civil Engineering, BAUET, Natore-6431, Bangladesh, for providing us with the necessary resources and facilities to undertake this research.

(Contents of writing can be changed.)

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ABSTRACT

[Abstract or executive summary paragraphs should be unintended. Abstracts are limited to 350 words. Abstract text must fit on a single page. Keywords may also appear on the same page. Your choice of paragraph style for text on this page]

Keywords: You may include up to FIVE (05) keywords or phrases. Keywords should be separated with semicolons.

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LIST OF TABLES

Table 4.1: Properties of Soils Used in this Investigation for both piles.

1:

Met

LIST OF ABBREVIATION

ASTM: American Society for Testing and Materials

SSD: Saturated Surface Dry

RCA: Recycled Coarse Aggregates



LIST OF SYMBOLS

P(t): Depth of precipitation of time

P: Total depth of precipitation

Δτ: Time-based

H: Height of triangle

I: Rainfall Intensity

%: Percentage

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CHAPTER 1: INTRODUCTION

- 1.1 BACKGROUND AND PRESENT STATE OF THE STUDY
- 1.2 JUSTIFICATION/ SCOPE/ NEED OF STUDY
- 1.3 RESEARCH OBJECTIVES

The main objectives of this research are listed below:

1.4 ORGANIZATION/ OUTLINE OF THE THESIS

Note: The supervisor can modify the contents.

CHAPTER 2: LITERATURE REVIEW

2.1 INTRODUCTION

This chapter contains.....

2.2 HEADING 1

2.2.1 Heading 2

The closer view of fly ash particles has been shown in figure 2.1.

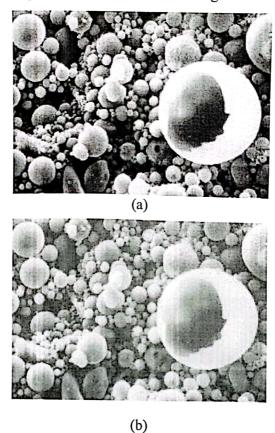


Figure 2.1 (a): mma and (b): mma2

Note: In Case of multiple figure (more than 2) [Figure 3.1 (a): mma; (b): mma2 and (c): mma3

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2.2.2 Heading 2

Figure 2.2: MMA

2.3 RESEARCH GAP

CHAPTER 3: RESEARCH METHODOLOGY

3.1 INTRODUCTION

This chapter contains the details of ...

3.2 HEADING 1

3.2.1 **Heading 2**

The soft silty clay was modeled with the parameters as shown in Table 3.1.

Table 3.1: Properties of Soils Used in this Investigation for both piles.

Figure 3.1: Soil Parameter Screen.

Note: Table format can be changed as per the instruction of the supervisor

3.3 DATA ANALYSIS

This section must be presented. The steps followed for the research are shown in the following flowchart –

CHAPTER 4: RESULTS & DISCUSSION

4.1 INTRODUCTION

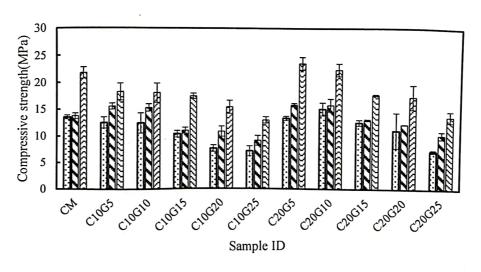
This chapter contains the...... This chapter also includes.......

4.2 HEADING 1

4.2.1 Heading 2

4.3 VALIDATION OF THIS STUDY (IF ANY)

Figure 4.1: Load Settlement Curves



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CHAPTER 5: CONCLUSIONS & RECOMMENDATION

5.1 CONCLUSIONS

Based on the results presented in this research, the major findings can be summarized as follows:

5.2 RECOMMENDATION

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APPENDIX A

An Example of an Appendix

Appendices should be used for supplemental information that does not form part of the main research. Remember that figures and tables in appendices should not be listed in the List of Figures or List of Tables. Refer to the Thesis Template Instructions for more information.

APPENDIX B

An Example of an Appendix

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