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**Comment [b2]:** Acknowledge to guide, followed by HOD and Principal.

Thank all the people who have helped you directly or indirectly during your project work.

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**You can give acknowledgement with your own sentences**

Project-mates

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**ABSTRACT**

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Stone dust is rock particles formed when huge rocks are broken into smaller sizes for use as construction material in various infrastructure projects. Enormous amount of stone dust is generated as waste at quarry sites all over India. If this waste is not properly managed in terms of dumping and utilization, it may cause serious threat to environment. Proper utilization of this waste is a major concern in developing country like India. Due to ever increase demand of conventional construction materials leads to ecosystem imbalance. In the direction of sustainable development, it is desirable to use local natural materials and industrial wastes like stone dust to the maximum extent in the construction activities.

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To check the suitability of this waste in civil engineering applications and to minimize the threat caused to environment in the direction of sustainable development, a series of compressive strength tests have been performed on controlled low strength material (CLSM) prepared using stone dust, Expanded Polystyrene (EPS) beads and binder material such as cement. Two different densities of EPS beads 22 kg/m3 and 16 kg/m3 were used in the study. The experiments were conducted by adding EPS beads with different mix proportions with respect to the weight of stone dust.

**KEYWORDS:** stone dust, sustainable development, compressive strength, controlled low strength material (CLSM), expanded polystyrene (EPS) beads, density

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of 5 key words separated by coma; Line spacing 1.5; justified; Word KEYWORD bold capital followed by colon

**CONTENTS**

**Comment [b12]:** Same as Comment [b1]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Acknowledgement* |  | |  |  | i  **Comment [b13]:** Font 12; Italic |
| *Abstract* |  | |  |  | ii |
| *Contents* |  | |  |  | iii |
| *List of Symbols* |  | |  |  | v |
| *Abbreviations* |  | |  |  | vi |
| *List of Figures* |  | |  |  | vii |
| *List of Tables* |  | |  |  | viii  **Comment [b14]:** Capital; Font 14 |
| **CHAPTER 1** | **INTRODUCTION** | | | | 1-6 |
|  | 1.1 | Preamble | | | 1  **Comment [b15]:** Font 12 |
|  | 1.2 | Motivation | | | 2 |
|  | 1.3 | Aim | | | 3 |
|  | 1.4 | Objectives | | | 3 |
|  | 1.5 | Organization of Report | | | 6 |
| **CHAPTER 2** | **LITERATURE REVIEW** | | | | 7-13 |
|  | 2.1 | Expanded Polystyrene Geofoam | | | 7 |
|  | 2.2 | Expanded Polystyrene Beads | | | 9 |
| **CHAPTER 3** | **CHARACTERIZATION OF MATERIAL** | | | | 14-16 |
|  | 3.1 | Stone Dust  3.1.1 Characterization of Material  3.1.2 Characterization of Stone | | | 14 |
|  | 3.2 | Expanded Polystyrene Beads | | | 16 |

|  |  |  |  |
| --- | --- | --- | --- |
| **CHAPTER 4** | **EXPERIMENTAL PROGRAM** | | 17-21 |
|  | 4.1 | Mix Ratios and Preparation of Specimen | 17 |
|  | 4.2 | Test Procedure | 20 |
| **CHAPTER 5** | **RESULTS AND DISCUSSION** | | 22-36 |
|  | 5.1 | Failure Patterns | 22 |
|  | 5.2 | Density | -- |
|  | 5.3 | Compressive Strength | -- |
|  | 5.4 | Initial Tangent Modulus | -- |
|  | 5.5 | Stress – Strain Patterns | -- |
|  | 5.6 | Major Finding | 35 |
| **CHAPTER 6** | **CONCLUSIONS** | | 37-39 |
|  | 6.1 | Limitations of the Study | -- |
|  | 6.2 | Future Scope of Work | -- |
| ***References*** |  |  | 40-42 |
| ***Annexure*** |  |  | 43  **Comment [b16]:** Remove the borders of the Table |
| ***Publications*** |  |  | 44 |

**LIST OF SYMBOLS**

**Comment [b5]:** Same as comment [b1]

|  |  |
| --- | --- |
| **Symbol** | **Description** |
| Ei | Initial tangent modulus |
| Vs | Volume of stone dust |
| V | Total volume of specimen |
| Vb | Volume of EPS beads  **Comment [b6]:** Font 12; Line spacing 1.5; Remove the borders..of the Table |
| Vw | Volume of water |
| Ws | Dry weight of stone dust |
| Wb | Weight of beads |
| Pb | Density of EPS beads |
| σ | Compressive strength |

**ABBREVIATIONS**

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| **Abbreviations** |  | **Description** |
| **ACI** |  | American Concrete Institute |
| **CBR** |  | California Bearing Ratio  **Comment [b6]:Font 12,Line spacing 1.5,Remove the border of the table.** |
| **EPS** |  | Expanded Polystyrene |
| **LVDT** |  | Linear Variable Differential Transducer |
| **OMC** |  | Optimum Moisture Content |
| **UR** |  | Unreinforced |

**LIST OF FIGURES**

**Comment [b7]:** Same as comment [b1]

|  |  |  |
| --- | --- | --- |
| **Figure** | **Title** | **Page** |
| 3.1 | Photograph of stone dust | 14 |
| 3.2 | Grain size distribution curve of stone dust | 14 |
| 3.3 | Compaction curve of stone dust | 15 |
| 3.4 | Photograph of 22 kg/m3 density EPS beads | 16 |
| 3.5 | Photograph of 16 kg/m3 density EPS beads | 16 |
| 4.1 | Mixing of different materials | 19 |
| 4.2 | Compaction of mixture | 19 |
| 4.3 | Curing of specimens in tank | 20 |
| 4.4 | Newly fabricated parts of compression testing machine | 21 |
| 4.5 | Experimental setup of compression testing machine | 21 |
| 5.1 | Failure patterns (a) unreinforced and (b) reinforced with EPS beads | 22  **Comment [b8]:** Font 12, Line spacing 1.5, capption and Page No. in Bold; Remove border... of the Table |
| 5.2 | Deformed shape of EPS beads after the failure of the specimen. | 22 |
| 5.3 | Density variation of CLSM with respect to mix ratios values for EPS beads of density 22 kg/m3 | 23 |
| 5.4 | Density variation of CLSM with respect to mix ratios values for EPS beads of density 16 kg/m3 | 24 |

**Comment [b10]:** Font 12, Line spacing 1.5,; Words Table No., Title and Page No. in Bold; Remove border... of the Table

# LIST OF TABLES

**Comment [b9]:** Same as comment [b1]

|  |  |  |
| --- | --- | --- |
| **Table** | **Title** | **Page** |
| 1.1 | Advantages of CLSM | 4 |
| 3.1 | Physical properties of stone dust | 15 |
| 4.1 | Mix ratios and quantity of materials of CLSM prepared with EPS beads of 22 kg/m3 density | 18 |
| 4.2 | Mix ratios and quantity of materials of CLSM prepared with EPS beads of 16 kg/m3 density | 18 |
| 5.1 | Compressive strength of CLSM specimen | 26 |