

UNCONFINED COMPRESSIVE CHARACTERISTICS STRENGTH OF ALKALI RESISTANT GLASS FIBER WITH BLACK COTON SOIL BLENDED WITH LIME

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Abstract::

Geomechanical properties of Black Cotton Soil are known by conducting a laboratory study of Lime and Alkali Resistant Glass Fiber (ARGF) when it is blended with black cotton soil. Utmost importance is to find the properties of the compaction characteristics of black cotton soil. The subsequent phase pivots on the Unconfined Compressive Strength values of mixture of Black Cotton Soil with optimum content with unreliable percentage of lime and ARGF. This study pivots on change in Unconfined Compressive Strength with curing period. The Unconfined Compressive Strength values are inflated with inclusion of lime and ARGF BC soil. The unconfined compressive strength values are inflated with curing period. Finally the UCS values for different combinations like BC soil alone, BC soil and randomly distributed fiber like ARGF.



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