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STRENGTH ASSESSMENT OF ECO BRICKS

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Abstract

Today researches all over the world are focusing on ways of utilizing either industry or agricultural wastes as a source of raw materials for the construction industry. These wastes utilization would not only be economical, but may also help to create a sustainable and pollution free environment. The main objective of our project is to develop environment friendly and energy saving bricks from Sugarcane bagasse ash (SCBA), Rice husk ash (RHA) and Coconut Fibre (CF). In this study SCBA & RHA are mixed in particular proportion (0%,7%,12%,17%) and coconut fibre (2%) is provided as the replacement of red soil in the production of bricks. The use of SCBA-RHA-CF-RED SOIL combination bricks is lighter in weight, durable, non hazardous energy efficient and additional strength are gains.

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