

UTILIZATION OF BARLEY HUSK ASH IN CLAY BRICKS IN ASPECT OF INDIAN CONTEXT: A LITERATURE REVIEW

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ABSTRACT

Brick is one of the most common masonry units as a building material due to its attributes. Clay habitually used in construction. Clay which is a resource material, if not managed well, may pose environmental challenges. Clays used for brick making vary broadly in their composition and are dependent on the locality from which the soil originates. At the same time world-wide agricultural footprint is fast growing, with vast agricultural land cultivation and active expansion of the agro based industries. Agriculture is the most economic activity of India and other developing nations. The resulting large quantities of agricultural wastes, unfortunately, are not always well managed or utilized. These wastes can be reused, such as by retrieving ashes from disposing leaves and hull/ husks, and then incorporate in brick making. In this study, Barley husk ash has been used for the preparation of bricks in partial and total replacement of clay. It is green and environmentally friendly material. For achievement of real sustainable development.

KEYWORDS: Earth Construction, Standardbrick, Barley Husk Ash, Sustainable Development