

A Review Paper on Study of Low Cost Housing

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Abstract: *This study investigates cost-efficient construction materials and methods in civil engineering to tackle the growing challenge of housing affordability. While widely used, traditional materials like fired bricks and cement concrete raise environmental concerns due to high energy consumption during production and soil depletion. By analysing existing research and practical applications, this project assesses the potential of alternative materials like Autoclaved Aerated Concrete (AAC) blocks and fly ash concrete for building design. We compare construction costs for a 2BHK house using both conventional and alternative materials to quantify potential cost savings from adopting these alternatives. By evaluating the economic viability of these options, this research contributes to the ongoing discussion on sustainable construction practices. Our findings offer valuable insights into reducing the environmental and financial burdens associated with traditional building materials..*

Keywords: Cost-effective, AAC blocks, Conventional bricks, Fly ash concrete, Cost estimation.