

A Review Paper on Low Cost Housing

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Abstract: *This study delves into cost-efficient construction materials and methods within civil engineering, aiming to address the pressing challenge of housing affordability. Traditional materials such as fired bricks and cement concrete, while prevalent, pose environmental concerns due to their high energy consumption during production and soil depletion. By scrutinizing existing research and practical applications, this research evaluates the potential of alternative materials such as Autoclaved Aerated Concrete (AAC) blocks and fly ash concrete in building design.*

The research conducts a comparative analysis of construction costs for a duplex employing both conventional and alternative materials, quantifying potential cost savings achievable through adopting these alternatives. Through assessing the economic viability of these options, this study contributes to the discourse on sustainable construction practices. The findings provide valuable insights into mitigating the environmental and financial burdens associated with traditional building materials.

Keywords: Cost-effective, AAC blocks, Conventional Bricks, Fly ash, Concrete, Cost estimation.