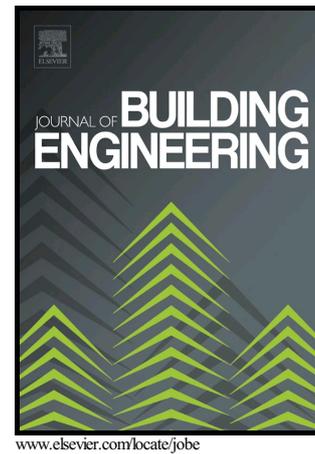


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The Methods of Using Low Cost Housing Techniques in India

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ABSTRACT. Low cost housing refers to those housing units which are affordable by that section of society whose income is below than median household income. This depends on three key parameters—income level, size of dwelling unit and affordability. This paper aims to point out the various aspects of predestined building methodologies by highlighting the different available techniques, and the economical advantages achieved by its adoption. In a building the walls, floors and roofs are the most important sections, which can be analyzed distinctively based on the needs, thus, improving the speed of construction and reducing the construction cost. This paper also aims to cover the use of local materials in the different components of building to make them as low cost available solutions for low income groups. To own a house by middle and lower income groups in today's economic trends is very difficult. Therefore, it has now become a necessity to adopt cost effective, innovative and environment-friendly housing technologies for the construction of houses and buildings and availing them at low cost comparatively. In order to come up with viable solutions this paper compares the construction cost for the traditional and low cost housing technologies and it was observed that with the use of technology and reuse of waste material as building material the cost of construction can be minimized to an extent. It was observed that with if the filler slab can be used as an alternative to conventional slab the cost of construction can reduce upto 25 %. With the time more studies are going to identify the reuse of waste material like fly ash, rice husk, etc as building material. After realizing the true potential of these waste materials as building material in construction industry the cost can be minimized to a greater extent. In addition the building up of cooperative to supply those alternative raw materials rather than importing from somewhere else would help in reducing the cost by 20 to 30%.

Keywords: Natural materials; low cost techniques; low income group; structural component.

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