

**AFFORDABLE HOUSING IN INDIA USING INNOVATIVE MATERIAL AND
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Abstract — Giving lodging to everybody in a noteworthy test for government and experts in any creating nations. The developing number of populace falling under neediness put more request on quick development of low cost lodging. Henceforth, it is particularly fundamental to give an appropriate arrangement with the goal that each individual ought to have their own particular house. Our undertaking mostly concentrates on said issues and for that appropriateness of imaginative strategies and option materials will be checked.

Keywords- Affordable Housing, Low Cost Housing, Rapid Construction

I. INTRODUCTION

The developing populace step by step in urban zones has prompted issues of land lack, lodging deficiency and congested travel and has additionally seriously focused on the current fundamental enhancements, for example, water, power and open spaces of the towns and urban communities. It results in Urbanization that individuals are living in ghettos and squatter settlements in the general public. The service of Housing evaluated a lodging lack of 18.78 million houses amid the twelfth arrangement time frame, with 99 percent of in lower and financially bring down segment gathering.

As indicated by assessments of the Technical Group constituted by the Ministry of Housing and Urban Poverty Alleviation (MHUPA), the urban lodging deficiency in the nation toward the finish of the tenth Five-Year Plan was evaluated to be 24.71 million for 66.30 million family units. So for the tackling of this significant issue the utilizing of various strategies and materials to decrease the cost of the house and each one can manage the cost of the house.

The gathering additionally evaluated that 88% of this lack relates to houses for Economically Weaker Sections (EWS) and another 11% for Lower Income Groups (LIG). For Middle- and High-Income Groups (MIG and HIG), the assessed deficiency is just 0.04 million. AFFORDABLE HOUSING IN INDIA Affordable Housing Defined: There is no specific meaning of the reasonable lodging, as it is a relative idea and could have a few inferred implications in various settings. As indicated by the RICS Report on Making Urban Housing Work in India, moderateness in the urban lodging implies arrangement of 'sufficient sanctuary' on managed premise, guaranteeing security of residency inside the methods for the normal urban family unit. As indicated by the Task Force on Affordable Housing set up by the MHUPA in 2008, moderate lodging for different portions is characterized by size of the abode and lodging reasonableness inferred by the family unit wage of the populace.

II. MATERIALS AND METHODS**1) FOUNDATION:**

- In black cotton soil areas the foundation can be on pedestal piles/under-reamed piles.
- Burnt clay bricks in cm 1:6

2) WALLS:

- Solid pieces/empty solid squares rather than R brick work spares in cubic substance of workmanship, subsequently lessening weight on establishments and accomplishing sparing in establishment and in addition stone work walling. It additionally gives quicker development and makes more prominent floor zone for a similar plinth zone.
- Single block thick dividers laid in bond mortar 1:4 instead of 1:6 as load bearing structure

3) ROOFS AND LINTELS:

- 75 mm thick precast RCC lintels, with or without sunshades, can be provided in brick or block masonry walls.
- RC plinth bands, lintel bands and roof band using cement concrete M-20 concrete.

- Precast RCC joists with RC plank / funicular shells.
- Slab roofing / RCC L-panel roofing.
- Precast channel units of R.C.C.
- AC/CGI sheets with purlins of steel/ RCC / ferrocement.

III. TECHNIQUE FOR COST REDUCTION

- Reduce plinth range by utilizing more slender divider idea.
- Use locally accessible material in an imaginative frame like soil bond hinders set up of consumed block.
- Use vitality productivity materials which devours less vitality like solid-square set up of consumed block.
- Use naturally neighbourly materials which are substitute for regular building segments like utilize R.C.C. Entryway and window outlines set up of wooden edges.
- By arranging every last segment of a house the wastage of materials because of pulverization of the impromptu segment of the house can be maintained a strategic distance from.

IV. CONCLUSION

As we know that our project is based on Affordable house so, we found that many methods to reduce the cost of house therefore people who have not their house they can easily buy that house. But when we go for affordable house many materials we also found but using them, they not more but we still work on the method and material which reduce the cost of house and strength will not decrease.

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VI. REFERENCES

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