

This project explores an alternative naturally and locally available material for construction to reduce cost of construction and increase the green value of the property.

#### Alternative Solutions

- Steel replaced with bamboo
- Manufacturing of steel is a costly process. Bamboo has properties such as tensile strength, high strength to weight ratio, grows quickly. It can be treated with borax acid for increased durability
- Cement concrete replaced with mud concrete
- Helps reduce Carbon footprint
- Burnt bricks & cement concrete blocks replaced with stabilised mud blocks
- This solution is cost effective and sustainable and can be designed to achieve customised strength



# 52 PROJECT

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