

Chapter 6

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# PERFORMANCE REVIEW OF COMPOSITE MATERIALS USED FOR GREEN BUILDING CONSTRUCTION AND ITS FUTURE IN INDIA

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## 6.0 Introduction:

Construction of green structure is seen to be growing rapidly in India with hand holding profit in the economic sector of construction. As it is eco-friendly, easy to construct, and budget-oriented,

builders and engineers are absorbing this technology for viable construction and development. These structures are also very productive along with saving the resource. Keeping the profit and other benefits, nowadays architects, builders, and policymakers are focusing more on the green building construction in India where we have seen in the past year almost 6-8 Indian states provide an incentive for green building development. But here a question arises, what makes this green building a profitable and resource-saving way of construction?

Focusing on the point, we can conclude that only the material is the one viable part of this technology which makes this green building stand strongly in the field of construction and development. This defines the more quality in material, the more strength will be defined to take the conditional and unconditional loads as well.

This review paper defines material comparison, cost-effective composite material formation, strength graph of a cube through analysis done by the researcher on preparing composite material, and an overview of the literature available on green building development and materials used.

In India, green building has been recognized as one of the beneficial, high productivity and resource-saving ways of infrastructure construction, whereas this technology is not yet implemented in