

CHAPTER – 15 SUSTAINABLE WASTE MANAGEMENT SYSTEM IN CONSTRUCTION

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Abstract

This chapter deals about the entire waste management which ensures the sustainable construction and the development of new recycled material to incorporate in advanced construction methodologies. The reuse of waste in construction materials reduces the total cost of construction and it will affect the economy. It can give a solution to avoid the dumped waste materials and reduces the storage place of waste materials. It can gives clear idea to reproduce the building wastes towards a sustainable construction techniques in different kind of building components.

15.1 Introduction:

Every now and then Humans are dependent on natural to suffice the needs. The scale of consuming the nature resources are so rapid that one day the resource won't be sustain to every individual since the growth of new born baby are far more than the death rate. Every human in this planet need their rights to consume equal amount of resources be it in construction field or be it in building ones shelter to hide them.

Sustainable waste management system deals in reduce of the amount of natural resources consumed and ensures that any material that are used from the nature are replaced back to it or waste created is kept minimum resulting less impact to nature and sufficing the demand of every individual.

The main method implemented upon the sustainable waste management are:

- 1) Green Building Material Management
- 2) Construction and Demolition Waste Management

15.2 Green Building Material Management

Earth is a home for all the living creatures and over the time, the human has occupied about 50-70 percent of the land. Human have used the resources available on nature to construct house,