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Construction Waste Management and its Impact on Cost of the Project

Pallavi S. Baitule*, Prof. N. S. Futane**, Prof. A. B. Ranit***

* (Civil Department, Prof. Ram Meghe College of Engg. And Management ,Badnera

Email: pallaibaitule13@gmail.com)

**(Civil Department, Prof. Ram Meghe College of Engg. And Management ,Badnera

Email: nityanandfutane@gmail.com)

***(Civil Department, Prof. Ram Meghe College of Engg. And Management ,Badnera

Email: amitkumar.ranit@prmceam.ac.in)

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Abstract :

The construction industry is the most advanced industry in India or country. The working of project is crucial to the structure and improvement of the construction industry. The aim of project is how much waste arising at site and impact on cost of the project. Survey of project is used data received by interview from site supervisor, manager, engineer and another person in site.

Keyword -- **Waste Management, Materials, Construction Industry, Impact of Project.**

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I. Introduction

The construction industry is bigger industry in working of project. Construction industry is greater in term of commercial, Quantity of material and ecological impact etc. The alteration construction and demolition from hazardous waste dump in public and private sector and safely deconstruct beneficial material. The level of waste production use short for environment and economic. Construction industry is becoming aware of it is important part to play in the reduction of waste production.

II. Objective of study

The research has following objective to waste and its cost construction industry.

•To regulate causes of material construction waste.

•The apply for various management technique to protect the environment.

•The appropriate waste management on construction site.

•Working of project skill and unskill persons on site.

III. Importance of Study

A very large level waste is considered to exist in construction project. The construction industry plays important role in reduction of waste. Level of waste can be produced various reasons. It is importance of construction waste is reduced the

cost of construction, Waste level, & improved productivity of waste. The project of study is used for improvement of method and rule in management of construction waste.

IV. Classification of Construction Waste

There are following of the classification of the construction waste –

1) Physical Waste

The physical construction waste is total removal of cost, reduce and recycle the maximum recycle idea to manage construction and demolition waste. There are various process through management of construction waste reuse, reduce, recycle and landfilling, composting etc.

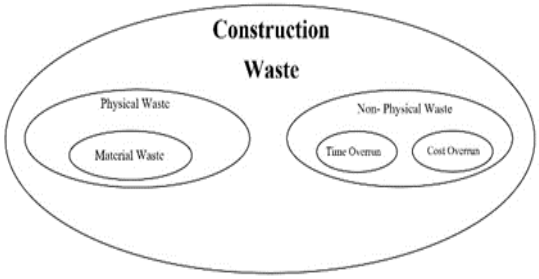

Fig No-1 Classification of construction waste

2) Nonphysical Waste

Non physical waste in construction is neither than focused on the material on site but also overabundance, dealy time, material handling etc.

V. Type of Waste According to Nature

Following are the waste are classified into two types :-

2) Indirect Waste

1) Direct Waste

2) Indirect Waste

1) Direct Waste

Direct waste is defined as the prevented the actual loss and restoration of material. Direct waste is easily removal and replacement of material.

Table No 5.1 Type of waste- Direct Waste

Type	Section	Reasons	Illustration
Direct Waste	Waste Arranging	Removal or waste, Damaged material during arranging	Pipe, Brick, Tiles
	Distributio-n Waste	Waste during shipment material to the site and storage or deposited	Plastic, wood
	Unlawful Waste	Thievery and robbery	Brick, Wood

Indirect waste is material does not waste substantially, but the payment for material are wasted wholly. The waste is represent by material that are used waste in building.

Table No 5.2 Type of waste – Indirect waste

Type	Section	Reasons	Illustration
Indirect Waste	Neglect waste	Site error or extra material used in construction	More excavation of foundation
	Replacement waste	Replace material incur losses to either contractor	Use facing brick for construction

VI. Causes of Waste

There are following causes of waste production in construction of project.

Table 6.1 Causes of waste

Origin of waste	Causes of Waste
Laborers or Employers	Imperfect training of employer, unskill employer & mistakes
Management	Poor management, Improper construction
Contract	Mistake in contract paper

VII. Conclusion

The construction and demolition sector in India contribute to large extent total waste production in country. It is clear reviews of project find that the construction of project consumed more amount of natural resources, material and large amount of waste is generated and percentage of waste create in construction. Increased the estimate of waste generated cost of project.

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