

**EFFECTIVE CONSTRUCTION WASTE
MINIMIZATION STRATEGY FOR THERMAL POWER
PLANT**

M Tech Dissertation Phase - II

Submitted in

Partial fulfilment of the
requirements for the degree of

MASTERS OF TECHNOLOGY

In

Construction Project Management

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April 2020

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ABSTRACT

Waste in construction is important both from the perspective of productivity and from environmental consideration. Mostly actual quantum of waste generation exceeds the percentage envisaged initially causing needless utilization of both natural and human resources. In Construction of any Power Plant requires huge quantities of construction materials like cement, reinforcement steel etc. These materials that are required for construction have major cost investment, it would be more appropriate minimize wastages in an efficient and feasible way. The purpose of this paper is to identify major causes of construction material wastages. Based on literature review, 34 factors are found which causes material wastage. The scope of this study is limited to Thermal Power Station, Wanakbori, Gujarat. Incentive reward program (IRP), waste management mapping model (WMMM) can be used to minimize the generation of construction wastes. The findings of this research would help in power plant projects for identification and reduction of the wastes in construction projects and also help in enhancing project productivity and cost saving.