Department : **Civil**

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Guided By

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Project Title

PROCESS AND DESIGN OF WATER TREATMENT PLANT

Abstract:

Waste management is a fundamental component to any manufacturing or production enterprise. It is estimated that there are million tons of quarrying waste are produced in each year. The excessive wastage of materials, improper management on site and low awareness of the need for waste reduction are common in the local construction sites in India. With the urge for development and to satisfy the needs and wants, working and growth of Construction Industry is unavoidable. Over the last two decades material management , the world over has gained recognition as a science to be studied extensively and applied systematically to ensure efficiency and viability of any industry. This thesis discusses the various waste material management methods/techniques for effective waste material management for minimization of project cost and better material management through a case study of construction. Construction waste is generated throughout the construction process such as during site clearance, material use, material damage, material non-use, excess procurement and human error. The exact quantity and composition of construction waste generated throughout the projects are difficult to be identified as they are keep on changing due to the dynamic nature of the construction activities. Different stages of construction generates different types and composition of waste. Therefore the trend of waste generated throughout the construction stages need to be identified.

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