



Shri ShamraoPatil (Yadravkar) Educational & Charitable Trust's
Sharad Institute of Technology , College of Engineering
Yadrav- Ichalkaranji 416118
(Approved by AICTE, New Delhi, & Affiliated to Dr. BATU, Lonere, Shivaji
University, Kolhapur)
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“Use of water treatment plant sludge as partial replacement of brick manufacturing material”

ABSTRACT

The solid waste disposal is an alarming problem world is facing today. The recycling or reusing of the solid waste is a need of the day. The disposal of water treatment sludge is one of such material. On other hand for the manufacturing of bricks clayey soil is obtained from river banks, which is causing the loss of fertile soil.

The attempt is made to use the sludge of Water Treatment Plant as partial replacement of conventional clay use the manufacturing of bricks. The effect of such mixing on parameters like water absorption, compressive strength, initial rate of absorption etc are used. The results found encouraging.

Index Terms: Sludge, Bricks, Reuse of waste material, Partial replacement.



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Figure- Manufacturing of bricks