

Manufacturing of Concrete Bricks using Municipal & Public solid waste

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Abstract: *The manufacturing of concrete bricks plays a crucial role in the construction industry. However, the production of conventional bricks using virgin materials contributes to environmental degradation and resource depletion. To address these challenges, this paper proposes a novel approach to manufacturing concrete bricks by incorporating municipal and public solid waste as alternative raw materials. The utilization of waste materials not only mitigates the burden on landfills but also contributes to sustainable construction practices. This paper presents an implementation plan for the manufacturing process, including waste selection, processing techniques, and quality assessment. The proposed methodology aims to optimize the use of waste materials while maintaining the required structural integrity and durability of the resulting concrete bricks.*

Keywords: Manufacturing, Concrete Bricks, Municipal Solid Waste, Public Solid Waste, Sustainable Construction, Waste Management, Waste Processing Techniques, Mix Design, Quality Control, Durability Assessment, Economic Feasibility, Environmental Impact Analysis

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