

Use of Sewage Sludge Waste in Making of Brick

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Abstract: *This project focuses on exploring the potential of sewage sludge waste as a sustainable ingredient in brick manufacturing. By incorporating sewage sludge into brick production, the study aims to address environmental concerns associated with waste disposal while offering a low-cost and eco-friendly alternative for construction materials. Through extensive literature review, data collection, and analysis, the project intends to investigate the feasibility and impact of utilizing sewage sludge in brick making, considering factors such as compressive strength, water absorption, weight, and economic viability. The research scope includes experimenting with various brick compositions incorporating dry sludge samples sourced from the Raiya Sewage Treatment Plant, assessing their properties, and evaluating their suitability for construction purposes. This endeavor seeks to contribute to resource conservation, pollution reduction, and the creation of a more sustainable urban environment*

Keywords: Brick, Sewage Sludge, Waste Recycling, Sustainable Construction, Environmental Impact

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