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EXPERIMENTAL STUDY ON THE STRENGTH OF CONCRETE BY PARTIAL REPLACEMENT OF COARSE AGGREGATE BY USING PLASTICS

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ABSTRACT

Many ways of reusing plastics for were implemented, yet those ways were not enough to manage the amount of plastic wastes being generated. So incorporating plastic wastes in concrete can be another way to reduce the disposal problem of plastic wastes. It can not only reduce the waste disposal problem but also reduce the excessive extraction of natural aggregates. Excessive extraction of natural aggregates can cause silting and sedimentation in rivers and can also change river courses, causes death of aquatic life and expose land to agents of degradation. Since waste is abundantly available, concrete with plastic aggregates can be cheaper compared to conventional concrete.

KEYWORDS: *Natural Aggregates, Reduce the Disposal Problem of Plastic Wastes*

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