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TITLE OF PROJECT: "Comparative Study on Recycled Concrete Aggregate and Natural Aggregate"

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ABSTRACT :

The Recycled concrete aggregate is the broken coarse aggregate in the form of Chips & Suitable Sizes. The properties of recycled aggregate & the effect of RCA used on Concrete properties. Concrete testing is the key part of the civil engineering on site for any structures. Now-a days this testing will done on site for checking the properties of concrete for further use on site. These tests study will gives the overall idea about the grade of concrete and performance of materials &their effects on concrete structures. The Research is based on demolition waste of concrete or cubes as well as aggregate. The main motive of this Research is to learn comparative study of recycled concrete aggregate & natural aggregate by using Compressive strength test with percentage replacement. The comparative study in the form of compressive strength, workability of concrete with different grades used in the concrete or cubes with the help of different instruments. These tests are liable as a new research & comparative study becomes available. To grasp and stay current with these important changes, as well as to safely involvein innovative tests, the engineer needs a detailed understanding of basic performance of concrete and aggregate as constructions a cost-effective and safe. As a result, knowledge with modern concrete technology is important when using this basic idea as a basis. Compressive strength determines the effects of loads on concrete and their strength after 7, 14 and 28days. Through this study it is tried to compare the results of tests on different grades of concrete cube & find out the results in tabular form.

KEYWORDS: **: Recycled Concrete Aggregate, Demolition Waste of Concrete, Compressive Strength.**

CATEGORY: **Concrete Technology and Building Materials**