**Practice of Construction Paper Slush by Restricted Substitution of Cement**

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**Abstract**

The make use of paper-mill pulp within concrete formulations was surveyed as an substitute to landfill disposal. The replacement of cement has been substituted with waste paper sludge consequently in the variety of 5% to 20% through weight for M-20 along with M-30 mix. By applying sufficient quantity of the waste paper pulp along with water, concrete mixtures were manufactured and compared in ways of slump and strength with the usual concrete. The specimens of concrete were tested within three series of test like splitting tensile test, compression test, and flexural test. These experiments were performed to weigh up the mechanical properties for about 28 days. Consequently, the compressive, splitting tensile as well as flexural strength amplified up to 10% adding up of waste paper pulp and more increased within waste paper pulp decreases the strengths steadily. The research on application of paper sludge be able to be further undertaken in concrete manufacturing like a fresh recycled material.

**Keywords**

Compressive Strength, Flexural Strength, Paper Pulp Concrete, Split Tensile Strength

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