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Experimental Investigation on Properties of Concrete using Sawdust as Partial Replacement for Fine Aggregate

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Abstract : The high and rising cost of building construction in developing countries have been a big problem for government and private developers. In this project, the main objective is to study the partial replacement of sawdust for fine aggregate in varying proportion of the concrete and to check the different properties of the concrete by comparing with the normal concrete. Sawdust is used to replace fine aggregate from 0% to 20% in steps of 5%. Compressive strength, flexural strength and split tensile strength of these concrete is evaluated at 7 and 28 days of curing.

Keywords : Sawdust, physical properties, strength.

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