

PHYSICAL AND ANALYTICAL INVESTIGATION OF CONCRETE WITH REPLACEMENT OF CEMENT WITH EGG SHELL AND COAL ASH POWDER

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ABSTRACT

In recent years, PHYSICAL AND ANALYTICAL INVESTIGATION OF CONCRETE WITH REPLACEMENT OF CEMENT WITH EGG SHELL AND COAL ASH POWDER has gained a wide use for placement in congested reinforcement concrete structures where casting conditions are difficult and in light weight concreting where pump ability properties are required. For such applications the fresh concrete must possess high fluidity and good cohesiveness. The use of fine materials such as coal ash and super plasticizer can ensure the required concrete properties. In this thesis work we have tried to replace cement with coal ash and Egg Shell Powder which is a waste material. Because coal ash and ESP are dumped as a waste, if we use it as a cementations material the concrete becomes more sustainable and environment friendly.