

Abstract Details

Title: Impact of Fly Ash on Portland Pozzolana Cement in Strength

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Abstract: The era of infrastructure increased in recent year, so the advancement of concrete technology exaggerated day by day in life. Use of concrete exaggerated the consumption of natural resources and energy sources. In recent years inordinate measure of fly ash generated in thermal industries. The previous couple of years, some cement firms have started mistreatment ash in producing cement called hydraulic cement, however, the utilization of ash remains terribly low. There's intolerably opportunity for the fly ash in cement likewise as in concrete. This work describes the use of Non-conventional artefact (Fly ash) that is definitely our there. During this work cement and fine aggregate has been partly replaced by fly ash consequently within the range of 0% (without fly ash), 0%, 6%, 12%, 18%, 24% and 30% by weight of cement for M-25 Mix Concrete mixtures were moulded, tested and compared in terms of compressive and split strength.

Keywords: Fly Ash, Pozzolana Cement, Strength.