Concrete is the basic engineering material used in most of the civil engineering structures.Use of mineral admixtures like fly ash, slag, metakaolin and silica fume have revolutionized the concrete technology by increasing strength and durability of concrete by many folds.Concrete mix design is the science of deciding relative proportions of ingredients of concrete, to achieve the desired properties in the most economical way.Concrete like other engineering materials needs to be designed for properties like strength, durability, workability and cohesion.With advent of new generation admixtures, it is possible to achieve higher grades of concrete with high workability levels economically.

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