

## REVIEW ON PRECAST CONCRETE TECHNOLOGY VS. CAST-IN-PLACE CONCRETE

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### ABSTRACT

*The use of precast concrete is nowadays a booming Industry, which minimizes the total cost of construction. In India, specifically in Pune area which is becoming IT hub, result into increase in population, directly result into increasing demand for houses. Requirement of these huge houses can be achieved by adopting a new technique. Use of Precast Concrete Technology will be the good option to fulfill this requirement. Use of Conventional method of construction for small building is economic, but to fulfill future generation requirement, use of Precast is economic. Cast-in-place construction methodology is economic for India as availability of man force i.e. Loabour is high. In precast industry, requirement of man force for construction is less, as there is requirement of modern machineries with high load capacity. While going for Cast –in-place construction, there are limitations over the curing time that should be given to construction, but in case of Precast Concrete Technology, there is no need to wait for curing as well as gaining of strength. As Precast members are manufacture in factory away from construction site in control casting environment, with high quality, under supervision, with more specific design, at large amount of production with Industrial method. Precast having High Initial cost of Investment there for it is not economic for everyone to go for precast construction*

**KEYWORDS:** Precast Concrete; Fulfill this Requirement, Future Generation Requirement, Modern Machineries

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