

# Design and Material Cost Comparison Between Precast and Cast-in-Situ Building

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## ABSTRACT

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By the years of 2014, the precast industry play an important role as the key attitudes of the designers to modern building. Precast construction is the prefabrication of structural members away from site then later transfer to site and joint in together by various methods. The cast-in-situ method of construction is a process of constructing the structural members using formworks casting the members in their respective places.

Precast concrete will be satisfied the conceptual and unique shape design of the modern building with achieving high durability, serviceability, detailing and good quality concrete compare with cast-in-situ.

Due to the fact that precast construction method covers a wide range, this report would guide you to understand the comparison cost between precast concrete and cast-in-situ by designing a bungalow.