

Comparative study of Confined masonry structure and infilled masonry RC structure

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Introduction

This project is aimed to compare the behavior of confined masonry and infilled masonry RC structure of different story under the seismic load of the different zone like II, III, IV, V as per IS code in ETAB software. In past earthquake confined masonry structure has sustained earthquake effects without a collapse in compare of infilled Masonry RC structure Based on “Earthquake-Resistant Confined Masonry Construction” By Svetlana Brzev.

Objective

contrast behavior of confined masonry and infilled masonry RC structure under seismic load in a different story. Make cost analysis so understand which structure is Economical to construct.

Flow of work

- Hypothetical make a plan of confined masonry and infilled masonry RC structure.
- Design different story and apply Load In software (ETAB) as well as Manually.
- Compare Behavior of confined masonry and infilled masonry RC structure.
- Compare cost analysis of confined masonry and infilled masonry RC structure.