

Earthquake Preparedness

LET'S BUILD OUR HOUSE SAFE FROM EARTHQUAKE

Earthquakes do not kill people but unsafe structures do!

Follow Building Code to construct a safe building

Be aware about the site

Avoid Construction of building near river, marshy land and slope land

Building Design

Standard Penetration Test (SPT) Shear wave velocity profiling

Consider soil condition before designing a building

Building Shape

Avoid irregular and complex building shapes, make it simple and reduce vulnerability

Lateral ties

Bend the lateral ties with 135° hook with hook-length 10 times its diameter

Beam Column Joint

- Anchor the main beam bar to column for proper anchorage
- Space the lateral ties at a distance of 4 inches at least 2 feet up and down of beam column joint and at the bar lapping places
- In rest of column, the lateral ties spacing should be 6 inches center to center

Avoid long narrow building

Length three times greater than width Length less than three times width

Long narrow building is vulnerable to earthquake

Masonry structure

Ensure correct brick laying and provide bands for masonry houses