

ESSENTIAL EARTHQUAKE RESISTANT PROVISIONS IN MASONRY BUILDINGS

Besides some other specified Earthquake Resistant construction requirements, I am giving below the most essential requirements in the Seismic masonry codes in the following table.

Zone	Max. Height	Mortar Mix	Seismic Bands	Vertical Reinforcement
III	Four Storey (less than 15m)	1:6 Cement Sand or 1:2:9 Cement- Lime-Sand	1. Lintel Band 2. Roof Band/Gable Band 3. Plinth Band	For Rock/Hard/Medium Soil - Not mandatory For Soft Soil -At Joints and Corners in 3&4 storeys
IV	Four Storey (less than 15m)	1:6 Cement Sand or 1:2:9 Cement- Lime-Sand	As above with higher steel	For Rock/Hard/Medium/ Soft Soil At Joints and Corners For Soft Soil At Jambes and openings
V	Three Storeys (less than 12m)	1:4 Cement Sand or 1:1:6 Cement- Lime-Sand	As above	1. At Joints and Corners 2. At Jambes of openings