

عنوان مقاله:

FINANCIAL ASSESSMENT FOR RETROFITTING OF BRICK BUILDINGS

محل انتشار:

چهارمین کنفرانس بین المللی زلزله شناسی و مهندسی زلزله (سال: 1382)

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نویسنده:

Amit Kumar - Assistant Director, Disaster Management Institute, Bhopal

خلاصه مقاله:

As the adages go "earthquake does not kill people, but buildings do". About 65 % of people are killed due to collapse of masonry buildings during an earthquake. Seismic retrofitting of structures is one of the most important methods in mitigating earthquake hazards. The non-engineered buildings are particularly highly vulnerable to even less intensity of earthquake. Preparedness and readiness for earthquake disaster; may reduce the extent of damage and insure the safety of life. The paper emphasizes on financial assessment of seismic strengthening techniques for brick buildings of earthquake prone area of Khandwa district of Madhya Pradesh in India. The retrofitting techniques have been developed on the basis of Indian standard codes, locally available material and manpower, socioeconomic factors and seismic zoning. The methodology includes tangible and non-tangible loss estimation for various intensities of earthquake for brick buildings and reduction of losses after retrofitting. The scope of the paper has been limited for the evaluation of tangible losses. The retrofitting feasibility has been worked out on the basis of net present value

کلمات کلیدی:

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