

عنوان مقاله:

Site condition and earthquake; Survey of liquefaction, landslides and hazard mitigation

محل انتشار:

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خلاصه مقاله:

Observations of damages during numerous historical earthquakes have shown that in addition to the structural stability, geological factors and site conditions also play a major role in final stability of structures. Two important types of mentioned geotechnical phenomena that cause ground failure are liquefaction and landslides, which can take a variety of forms: settlement, cracking and fissuring, sinking, surface fault displacement, etc. In the frame of this paper, liquefaction and landslides definition, mechanism, their difference and influence of site condition on damage intensity are presented. This paper also investigated geotechnical consideration of Iranian code of seismic resistant design by studying on liquefaction and landslides characters and finally, effective hazard reduction methods are presented.

کلمات کلیدی:

Earthquake, Liquefaction, Landslide, Damage, Hazard mitigation

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