A study by researchers at IIT Guwahati has identified Imphal as having the highest estimated ground-shaking intensity among eight major cities in Northeast India. The assessment covered Guwahati, Agartala, Imphal, Shillong, Aizawl, Kohima, Gangtok and Itanagar.

The researchers used Kernel Density Estimation (KDE) to analyse local variations in earthquake occurrence and Peak Ground Acceleration (PGA) to measure maximum ground acceleration during an earthquake. The method can support improved seismic hazard assessment and disaster preparedness.

APSC Relevance: Seismic Hazard Assessment, Disaster Management