



सी.एस.आई.आर.-केन्द्रीय भवन अनुसंधान संस्थान
CSIR-Central Building Research Institute
रूड़की - 247 667 (भारत)
Roorkee - 247 667 (India)



Structural Engineering Group

Method for Preparing Earthquake Risk Scenarios in States and Uts of India

- Period:** 15 Months (August 2024- November 2025)
- Project Investigator:** Ajay Chourasia
- Type of Project:** Government Funded
- Sponsored by:** National Disaster Management Authority (NDMA), Ministry of Home Affairs, Government of India, New Delhi
- Cost:** Rs. 194.76 Lakh
- Objectives:**
- Review the existing literature and global best practices for earthquake hazard, exposure, vulnerability and risk assessment methodologies. Submit a review report- 1st month
 - Collecting information on building bye-laws, exposure of buildings from the current database- 1st month
 - Field visits for collecting exposure data and engineering information of Masonry and RC buildings from the study area in Chandigarh and Guwahati cities -1st month
 - Performing nonlinear analyses of building models to obtain the Fragility Curves - 2nd to 5th month
 - Development of methodology for assessment of earthquake hazard - 1st to 6th month
 - Development of methodology for assessment of earthquake exposure - 1st to 6th month
 - Development of methodology for assessment of earthquake vulnerability including the fragility curves for masonry and RC buildings- 1 st to 6th month
 - Development of methodology for assessment of earthquake Risk - 1st to 6th month
 - Deliberation with NDMA and the UT/ State Government- 6th month
 - Report Compilation and submission- 6th month