

Earthquake Hazard and Risk in Karachi (NORSAR Funded Project)

Investigators:

Prof. Sarosh Lodi

A collaborated research project aimed at computing earthquake risk for Karachi is awarded to the Department of Earthquake Engineering NED University and NORSAR for three years. The research is aimed at estimating earthquake hazard and risk in Karachi. The paradigm of this study is to carry out quantitative as well as qualitative analysis to attain the following objectives:

Tectonics and Seismicity of the Region

- Geological and Geotechnical Considerations of the Region
- Ground Motion Prediction Models
- Probabilistic Earthquake Hazard
- Earthquake Scenarios
- Deterministic Earthquake Hazard
- Site Specific Seismic Hazard
- Ground Failures

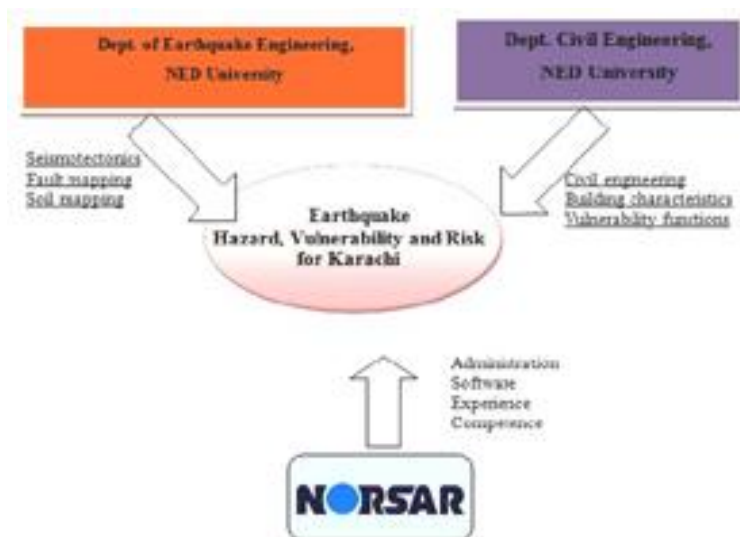


Figure : Summary of constellation and contributions of each participating institution