

# Efforts of Earthquake Disaster Mitigation in Nepal and the Perceived Importance of the Project

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**Video Conference**

**22 November 2006**

# Introduction:

- ❖ DUDBC
- ❖ Building code development
- ❖ Policy and legal framework Improvement
- ❖ Training and awareness raising

# Activities of DUDBC

- ❖ Assistance to Municipalities in Building code implementation
- ❖ Co-operation with NGO and INGO on risk reduction
- ❖ Nepal-Japan Cooperation and Institutional perspective

# Current Scenario of Building Construction Trend in Nepal

## A) Classification of building Construction System

### Private Buildings

- ❖ Owner built system.
- ❖ Built by Contractors & housing companies.

### Government Buildings, Semi Government Buildings

- ❖ Built by Contractors.
- ❖ Building Code enforced.






## B) Private Building System

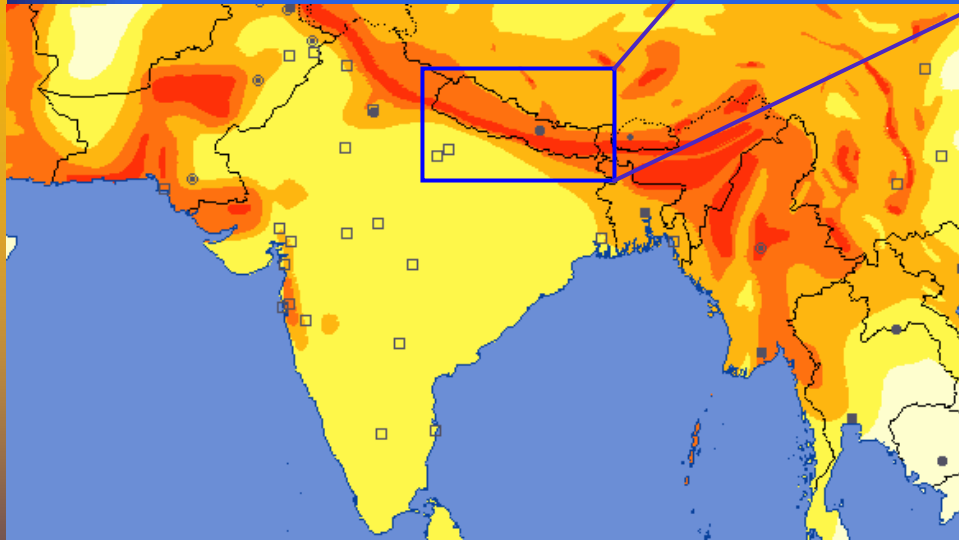
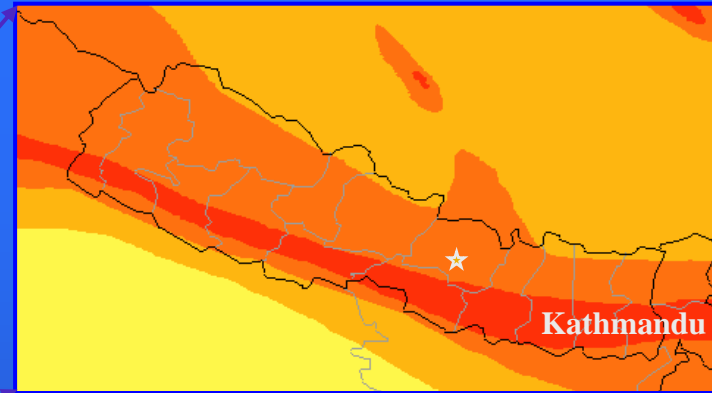
- ❖ No Quality Control
- ❖ Inadequate Involvement of Engineers.
- ❖ Violation of Municipal Byelaws etc.
- ❖ Fast Construction.

## C) Government Building

- ❖ Quality Control Mechanism-Exists.
- ❖ Professional Involvement-Exists.
- ❖ Process Oriented.

# Earthquake Hazard of Nepal

Seismic Zone	Modified Mercalli Intensity
 Zone = 0	MMI = V
 Zone = 1	MMI = VI
 Zone = 2	MMI = VII
 Zone = 3	MMI = VIII
 Zone = 4	MMI = IX



Probable maximum intensity (MMI: modified Mercalli scale) With an exceedance probability of 10% in 50 years (equivalent to Return period of 475 years) For medium subsoil conditions

# Proposed Project "Earthquake Disaster Mitigation"

From the visit of Prof. Kenzi Okazaki we were informed about the project which has 3 major components.

- System for estimation of Risk
- Development of Feasible technology for affordability
- Dissemination of the technology

# The project

- ❖ We found the concept innovative but the proper implementation is the key issue
- ❖ Happy to see the collaboration of NGO like NSET and the Academia like NEC.
- ❖ In DUDBC we have 25 Divisions and we will be happy to disseminate the technology through our divisions to make our buildings safer.



Thank you