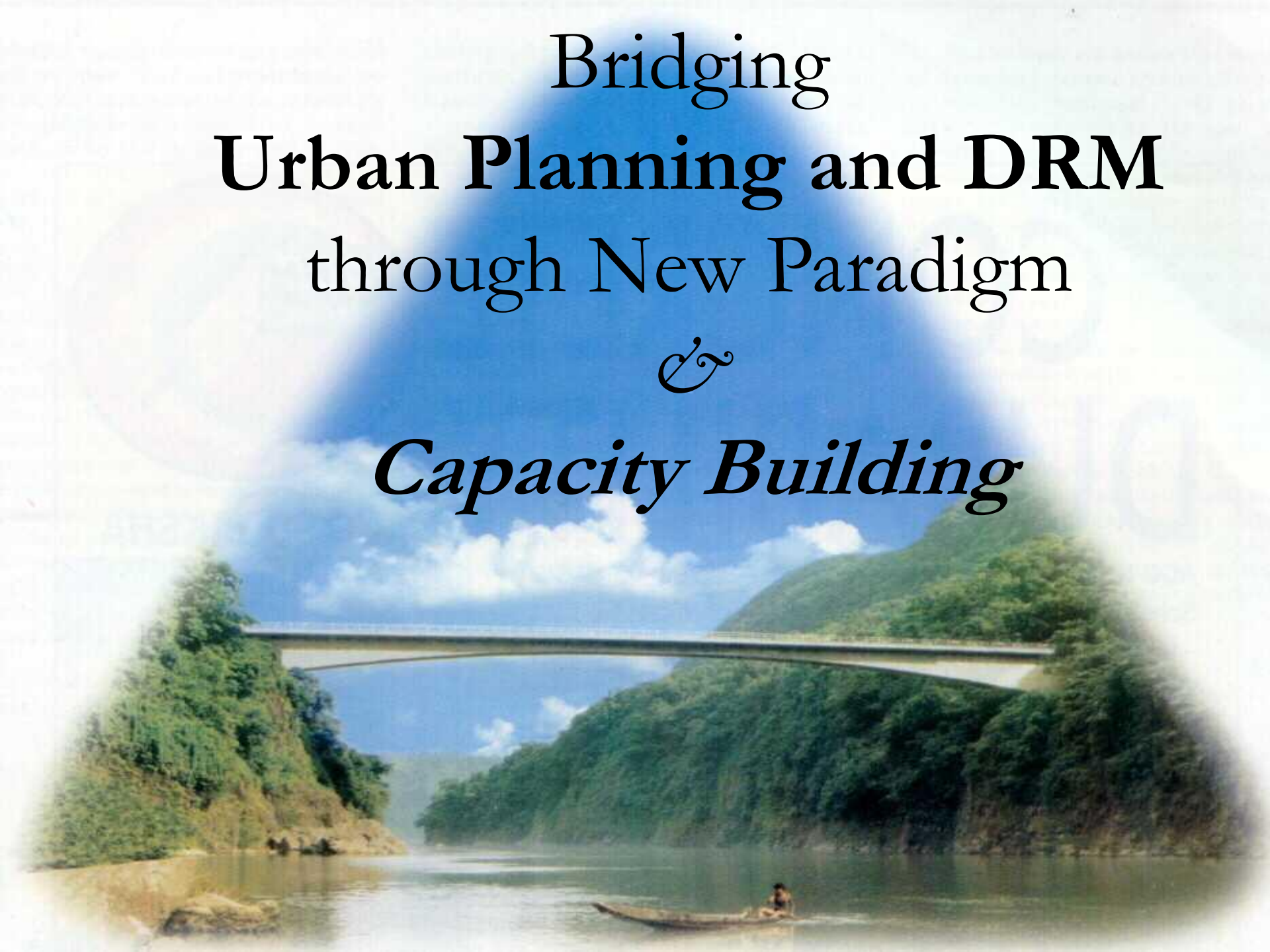
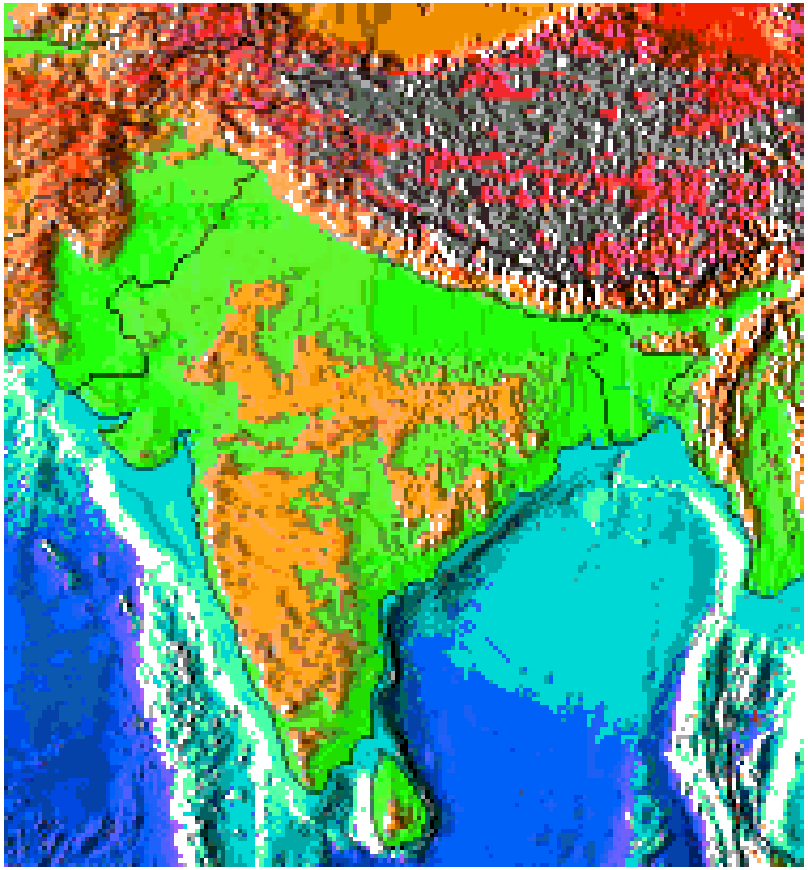
Bridging
Urban Planning and DRM
through New Paradigm
&
Capacity Building





Presented by :

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Director

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New Delhi

The Leap …

The Warmth…

The Challenge…

The Heart…

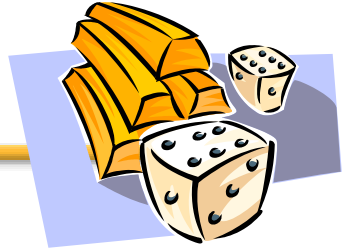
The Vision…

Urban Planners, Architects & Engineers

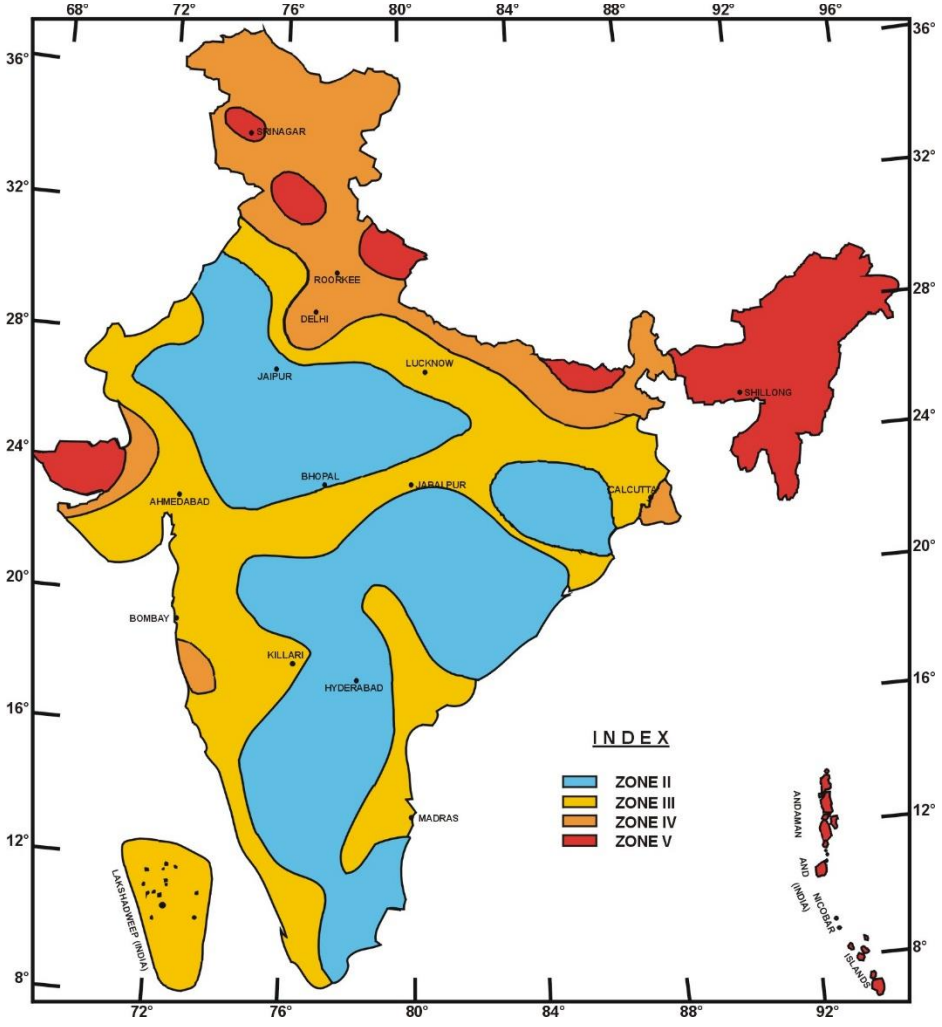
- **City Planning and City Structures**
  - *Silent forms of man's innermost expressions*
  - *Planners &Architects…create memorable structures*
  - *Dare …and make the exotic*

- **Safe, Suitable and Special**
  - *Disaster Resilient ???*

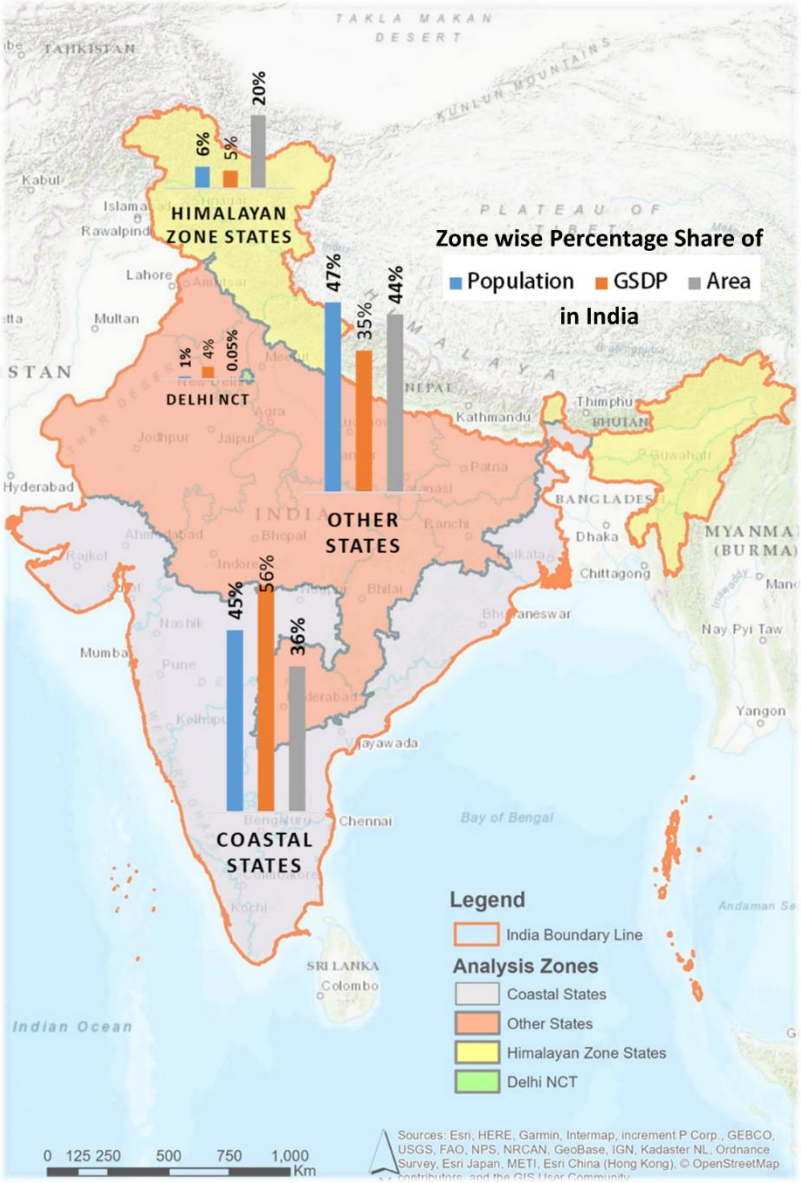
The Seismic Hazard



- **Four Seismic Zones**
  - *V :: Most Severe*
- **60% Area under**
  - *Moderate-to-Severe Seismic Hazard*

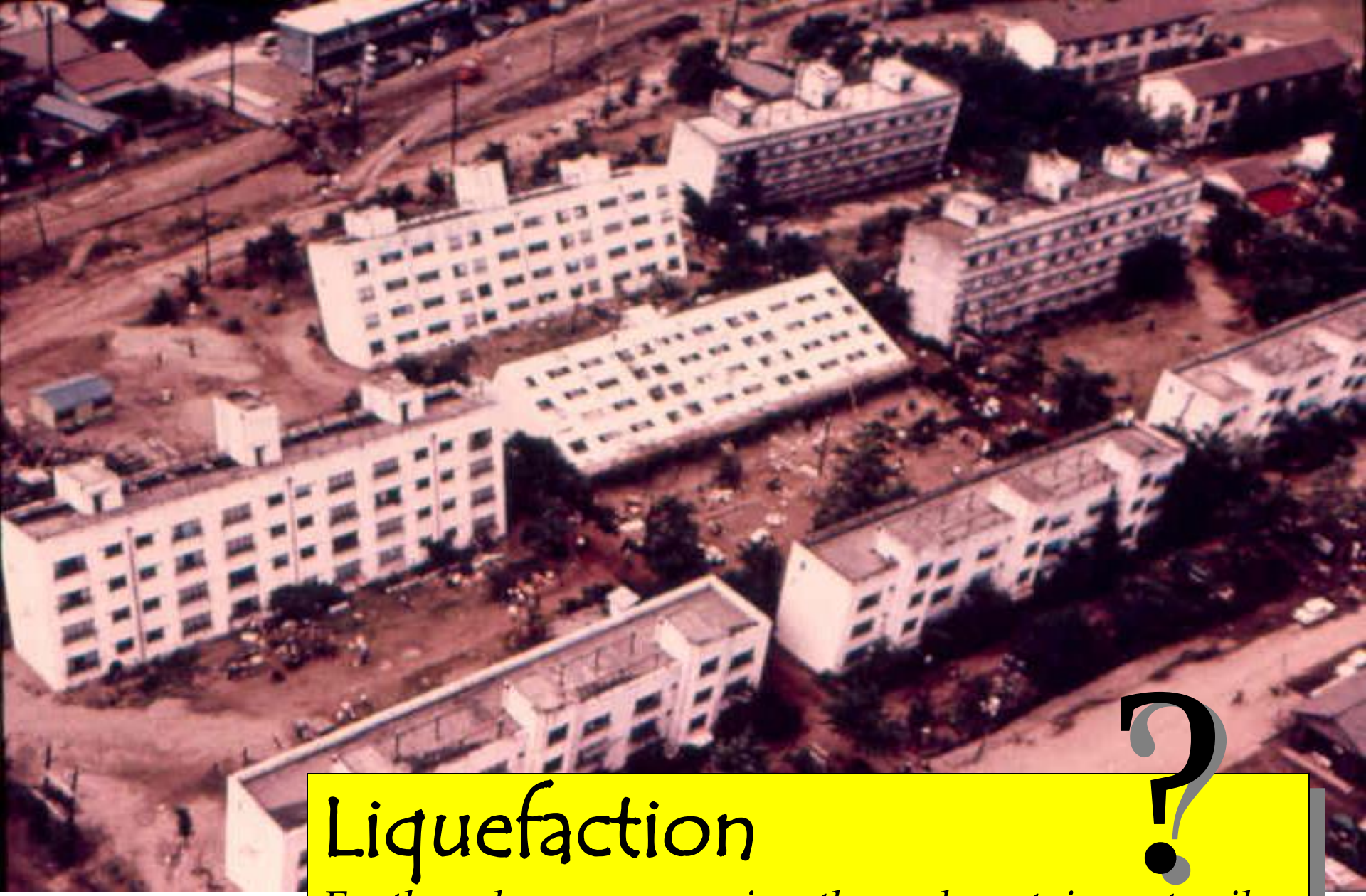


An Analysis depicting %age share of GSDP, Population and Area: Based on different zones



???

WHO is at Fault…?



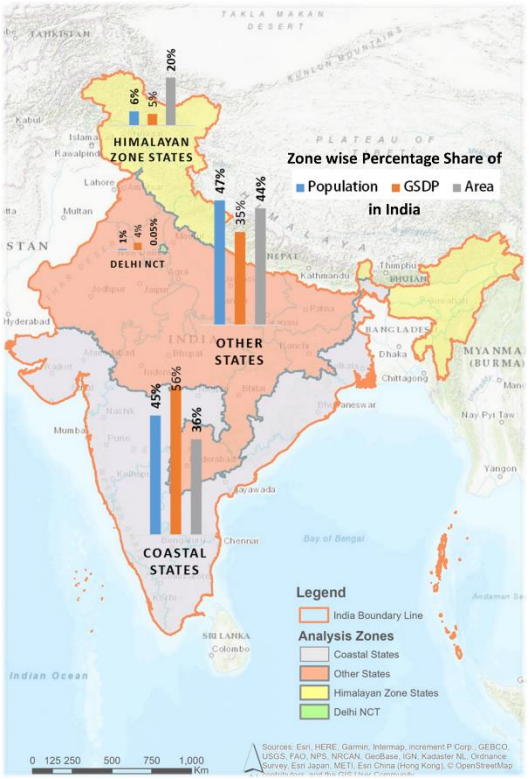
Liquefaction

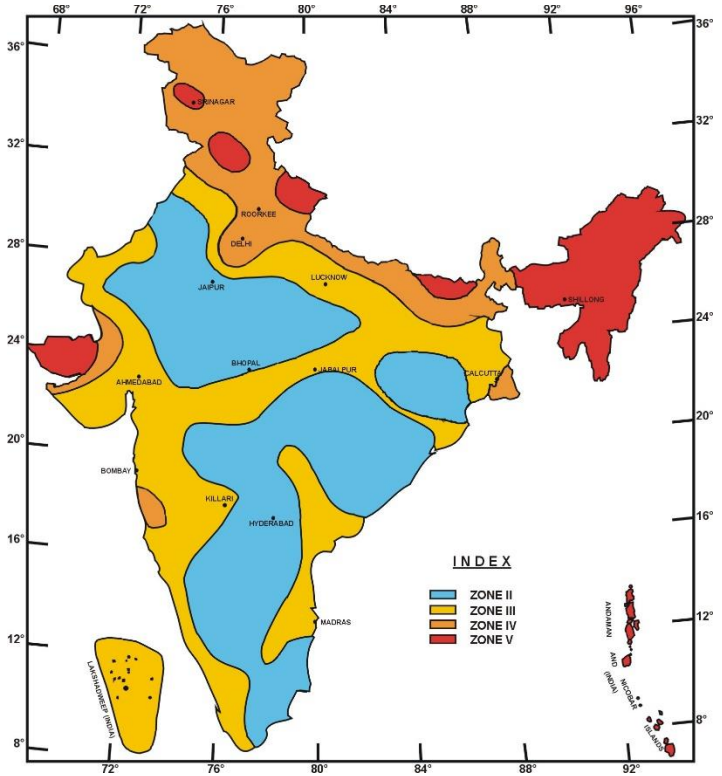
Earthquake waves passing through certain wet soils, may cause it to lose its firmness and collapse.

?

The **Exotic** Real-Estate Deals…

And,
one
fine
morning
...

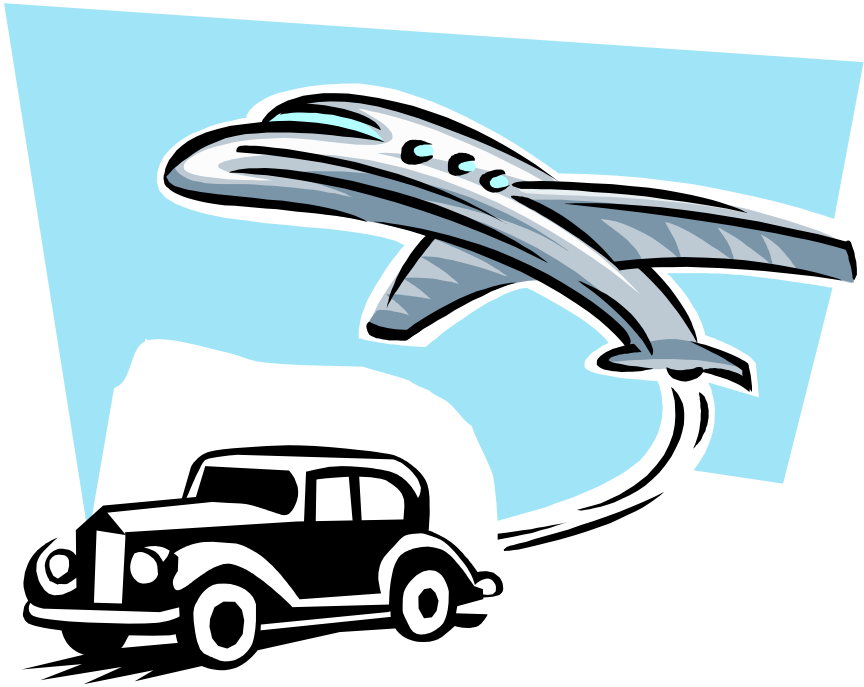




Urban DRM is special !!

Nature of Urban DRM cHALLENGES

- **City Planning &**
- **Civil Engineering Structures:**
  - *Large*
  - *Unique (one-of-a-kind; unlike aircrafts or cars)*
  - *Expensive*



- **Type of Known Urban Disasters:**

- **Urban Floods**
- **Urban Fires**
- **Earthquake**
- **Cyclone**
- **Tsunami**
- **Heat Island**
- **Urban Gasses/Pollution, and so on ……**

All these lead to:

- **Human and Economic Loss**
- **Slowdown Development Activities**

Indian DRM Issues (Physical and Traditional)

- **Geographical location**
- **Tectonic movement, subduction**
- **Very long coast line, 7000 Km along Bay of Bengal and Arabian sea**
- **Above features lead to different Geo-technical issues**

- **Old Civilisation**
- **Heritage**
- **Old Settlements**

COMPLEX MULTIDISCIPLINERY ISSUES

Recommendations

Development of Disaster Resilient Scoring a-la Green Building Star Rating

- **Major changes in curriculum of Planning Cources**
- **Development of Tangible and Measurable Indicators**
- **Present method of working in Silos have to be changed**
- **Integration of Disaster Management Planners in the Planning Team**
- **REDEFINE URBAN PLANNING**

Thank you…