

**A Report on 'Mw = 8 Mandi, Earthquake Scenario-  
A Multi State Exercise and Awareness Campaign and Mock Drill'**

***Training of Engineers & Architects (PWD) on Rapid Visual Screening (RVS) of Buildings***

22-23 November, 2012 Fairlawn, Shimla, Himachal Pradesh

Under GoI-UNDP DRR Programme (2009-2012)



**Training of Engineers and Architects on  
Rapid Visual Screening of Buildings**

*(Mw 8 Mandi, Earthquake Scenario: Multi State Exercise and Awareness Campaign)*

**22 - 23 November, 2012**

**at Himachal Pradesh Institute of Public Administration (HIPA), Fairlawn, Shimla**

*Organized under the GoI-UNDP URR Project (2009-2012) by*



**Himachal Pradesh State Disaster Management Authority (HPSDMA)**

A 2-day training of Engineers and Architects (Public Works Department) on Rapid Visual Screening (RVS) of Buildings was organized under the GOI-UNDP Disaster Risk Reduction Programme (2009-2012) from 22<sup>nd</sup> to 23<sup>rd</sup> of November, 2012 at HIPA, Fairlawn, Shimla. Dr. Ravi Sinha, Professor, Civil Engineering Department, IIT Bombay was the key Resource Person for this training. 34 Engineers and Architects from HPPWD, HPTDC, HIMUDA, HPSEB, and SSA participated in this training and learnt the conceptual and practical aspects of conducting a Rapid Visual Screening of Buildings.

Following topics were mainly covered during the training:

- Building safety assessment - International practices
- Visual assessment philosophy
- Survey methodology & guidelines
- Building categorization procedure
- Identification of damage in various members
- Calculation of loads on members

## Training Schedule

### Day 1- 22/11/2012

10:00 AM – 11:15 AM	<b>Project Overview, RVS introduction</b> Project Objective Building safety assessment - International practices Visual assessment philosophy Survey methodology & guidelines Building categorization procedure Member categorization and photos collected in various regions of India Survey limitations Discussion
11:15 AM – 11:30 AM	Tea Break
11:30 AM – 1:00 PM	<b>Details of survey form</b> Explanation of survey form Explanation of graphs/charts Estimation of load on members (establishing load path) Estimation of member capacity Building categorization procedure
1:00 PM – 2:00 PM	Lunch Break
2:00 – 6:00 PM	<b>Field Visit 1:</b> Sample survey of building - IGMC Shimla

### Day 2- 23/11/2012

10:00 AM – 1:00 PM	<b>Field Visit 2 :</b> Sample survey of building – IGMC Shimla
1:00 PM – 2:00 PM	Lunch Break
2:00 PM – 4:00 PM	<b>Discussion on filled up forms</b> Identification of damage in various members Calculation of loads on members Calculation of member capacity based on charts supplied

#### Documents and Handouts:

1. Training manual
2. Survey forms
3. Survey guidelines and checklist

#### **GROUP PHOTOGRAPH OF THE PARTICIPANTS**



**PHOTOGRAPHS TAKEN DURING THE TRAINING PROGRAMME**



## LIST OF PARTICIPANTS

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