

Government of Karnataka  
Centre for Disaster Management  
**ADMINISTRATIVE TRAINING INSTITUTE**  
Lalith Mahal Road, Mysore – 570 011  
[www.atimysore.gov.in](http://www.atimysore.gov.in)  
Tel.:0821 2443839, 2522142, and 2443264 Fax: 2523899

## **Training on “Disaster Safe Building Codes and Designs”**

Venue

Course Coordinator

**Course Assistant**

### **Objectives**

At the end of the course, participants will be able to;

- Explain the importance of disaster safe building codes and designs
- Explain the application of various disaster safe building codes
- Describe safe techniques for earthquake, landslides, cyclone and flood resistant housing
- Describe retrofitting techniques for unsafe buildings
- Explain steps in formulating DM Plans

### **Sessions:**

I	09:30 AM to 10:30 AM	
II	10:30 AM to 11:30 AM	11:30 AM to 11:45 AM Tea Break
III	11:45 AM to 12:45 PM	
IV	12:45 PM to 01:45 PM	01:45 PM to 02:30 PM Lunch Break
V	02:30 PM to 03:30 PM	03:30 PM to 03:45 PM Tea Break
VI	03:45 PM to 04:45 PM	

*Sessions will continue until the activities of the day are completed.*

### Programme Schedule

Day	Topic	Resource person
<b>DAY-1</b> 09.30 AM - 10.30 AM	Registration Introduction & Course Objectives Expectations & Setting Ground Rules	
	10.30 AM - 11.30 AM <b>Inauguration</b> Disaster Management : Challenges	
11:30 AM – 11:45 AM	<b>TEA BREAK</b>	
11.45 AM - 01.45 PM	Disaster Management Concepts, Terminology, Principles, Overview of Disasters in Karnataka DM-Act-2005, Institutional Structures, GoI and GoK Initiatives –Policy and Plans for DM	
01:45 PM – 02:30 PM	<b>LUNCH BREAK</b>	
02.30 PM – 04.45 PM	Hazard, Risk, Vulnerability and Risk Analysis(HRVC Analysis) – Exercise and Presentations	
<b>DAY-2</b> 09.30 AM – 11.30 AM	Recap of day 1	
	Safe Building Codes and NBC 2005 – Safety of Masonry Buildings Planning for safety and retrofitting of houses followed by Screening “Nature’s Fury” : Feedback and Lessons	
11:30 AM – 11:45 AM	<b>TEA BREAK</b>	
11.45 AM – 01:45 PM	Multi-hazard Building Bye-laws and Zoning Regulations	
01:45 PM – 02:30 PM	<b>LUNCH BREAK</b>	
02.30 PM – 04:45 PM	Building Foundations in Disaster Prone Areas and Geotechnical Engineering Aspects	
<b>DAY-3</b> 09.30 AM - 11.30 AM	Recap of day 2	
	Understanding Building failures RCC Design Methodology for Earthquake Safety	
11:30 AM – 11:45 AM	<b>TEA BREAK</b>	
11.45 AM - 01.45 PM	Storm Water Drains and Technical Issues : Group Activity and Presentations	
01:45 PM – 02:30 PM	<b>Lunch Break</b>	
02.30 PM – 03.45 PM	Visit to Quality Control Laboratory in KERS	

04.00PM - 05.30 PM	Visit to KRS Dam and Demonstration of Dam Safety Management by Dam Safety Cell	
<b>DAY-4</b> 09.30 AM-11.30 AM	Recap of day 3 Disaster Management Game : Group Activity and Lessons	
11:30 AM – 11:45 AM	<b>TEA BREAK</b>	
11:45 PM – 01:45 PM	GIS, GPS and RS in Disaster Management	
01:45 PM – 02:30 PM	<b>LUNCH BREAK</b>	
02.30PM -04.30PM	Inventory of Fire Resistant Measures in Public Building and Mock drill	
<b>DAY-5</b> 09.30 AM-11.30 AM	Recap of day 4 Case studies on Building collapse, Safe Building Practices, Rana Plaza Collapse, Mangalore Air Crash, Urban Flood: Presentations and Feedback	
11:30 AM –01:45 PM	Energy Efficient, Green Building Technologies for sustainable and Safe Habitat– Case studies Automation of DDMP	
01:45 PM – 02:30 PM	Lunch Break	
02:30 PM – 04.30 PM	Contd. Presentation of Exercises and Feedback	
03:30 PM – 03:45 PM	Tea Break	
04.30 PM	Internal validation	

**Course Coordinator**