

## FORWARDING

The school is a densely populated place and has small children of different ages that are one of the most vulnerable groups in the society. The collapse of the school buildings in an earthquake, landslide, fire incidents in the school, stampede, shooting in the school campus and exam related suicide etc. have ushered the school community across the country to understand and avert such disasters from happening. There is no dearth of examples to say that our schools are not prepared and equipped. The casual approach of not attending this problem has taken the life of many innocent pupils.

There is much that can be done by school officials to plan for disaster, to mitigate the risk, to protect the safety of students and teachers, and to ensure that schools recover quickly. While local, district and state Gov't are ready to help, it's preferable to expend energy before the disaster. Many countries now require specific disaster preparedness activities in their school systems and schools are required to have a disaster management plan, to hold drills and to hold educational and training programs for students and staff.

This training manual has been prepared in a very short time by collecting, compiling and extracting articles, presentation and manuals from various sources viz *School Safety* by MHA, NDM Div. GoI, *School disaster management plan – a manual for school preparedness* by Delhi Disaster Management Authority, *Search & Rescue Manual* (GoI-UNDP DRM Programme), **NPCBAERM** manual etc which are altered, modified and adjusted to suit the school, society and Mizoram state.

This training manual is prepared and arranged the topics in the manner that the trainees are first sensitized on Disaster Management and then made aware the vulnerability of Mizoram and inform then on the disaster that happen in the educational institution of other countries, India and Mizoram to let them know the rationale for School disaster management plan. Structural and Non Structural mitigation measures and Do's & Don't in Disaster Management during earthquake, Fire and Cyclone are included for ready reference. Since the trainees i.e teachers are the first responder in the disaster in school, response mechanism like simple Basic Search & Rescue technique for rescuing the students and also Basic First Aids to attend the simple injuries and differentiate the injures if there are many casualty due to Disaster are also included. The last chapter elaborates and recommends the formulation of School Disaster Management Plan for the welfare of the Student, the teacher themselves and the community as well. It is expected that this manual will be useful to all the Teachers, Students, Parents, Trainers, NGO's and Government officials etc.

This manual has been developed with Funding received from *GoI-UNDP DRR Programme* through *Disaster Management and Rehabilitation Department*, Mizoram.

Any suggestions for improvement are welcome.

16<sup>th</sup> June 2010

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Mizoram ; Aizawl

## **Acknowledgement**

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Prepared by

**Disaster Management Centre  
Administrative Training Institute  
Mizoram ; Aizawl**

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# **TRAINING ON SCHOOL SAFETY FOR HIGHER SECONDARY AND HIGH SCHOOL**

**Conducted by Disaster Management and Rehabilitation department. and**

**Administrative Training Institute, Mizoram, Aizawl**

**DURING 16 – 18 JUNE, 2010**

## **Course Objective :**

The objective of the training program is to ensure the safety of the students and the staff is maintained during and after emergency. At the end of the course, the participants will be able to :-

- Aware of the hazards in the country, state and school
- know the role and responsibility of the Teachers in Disaster Management
- Construct Disaster resistance School building
- Mitigate the effects of disaster through pre-planning and effective response
- Make School Disaster Management plan
- Conduct Evacuation/Mock Drill

## **Course Module :**

### **1. Disaster Management - An introductory**

Definition of Disaster and Disaster Management, Natural and Man made Disasters, Component of Disaster Management Cycle, Paradigm Shift in Disaster Management.

### **2. Vulnerability of Mizoram to various Hazards**

**Vulnerable to Earthquake, cyclone, Fire, Landslide etc** **Earthquake** - Causes, type, Magnitude, Intensity, seismic belt, Zonation, Observatory, Earthquake history of NE India and Mizoram; Cyclone – causes, type, frequency, effects, Zonation; Landslide – causes, mitigation measures etc.

### **3. Disaster in School and Management**

History and events of Natural and Man Made disaster that affect the School/Educational institution in Mizoram States, in India and other countries like the collapse of the school buildings in an earthquake and landslide, fire accidents in the school, stampede cases, shooting in the school campus, exam related suicide among the students, etc

**4. Disaster Resistant School Building**

Construction of safe and strong school building. Site Planning, Building Forms, Structural safety of the building with regards to its safety from hazards.

**5. Non – Structural Mitigation Measures and Hazard Hunting**

Non – Structural Mitigation, Definition, Identification of Potential non-structural hazards existing in the School and the mitigation measures.

**6. Basic First Aid**

Definition, Aims and Objective, DRABC, treatment , Transportation of injured, Bleeding Problem, Bone Problem, CPR

**7. Mass casualty management and Triaging**

Definitions, Mass casualty- on site and hospital based, Triaging, Aims of triage, Pearls of triage, Tagging, START triage techniques, Tools for successful triage, Assessing respiration, circulation and mental status

**8. Basic search and Rescue**

Definition, Community Local Rescuer, Outside Community Resources, Aims of Search & Rescue, Team Composition, Duty of Rescuer, Observation, Plan, Stages of search and rescue, Emergency Rescue, Individual rescue, Paired Rescue, Improvised Materials.

**9. Do's and don't in Disaster Management**

Do's and don't in case of Earthquake, Fire, Cyclone.

**10. School Disaster Management Plan**

Formation of the School Disaster Management Committee & Team, Responsibility of each Team, Preparation of the School Disaster Management Plan, Steps in Building Evacuation, DCH, Temporary Shelter and Mapping etc.

### Tentative schedule for 3 days Training on School Safety

<i>Day</i>	<i>Time</i>	<i>Suggested Topics</i>
1 <sup>st</sup> Day	9.30 – 10.00 AM	Participants Registration
	10:00 – 10:30AM	Inauguration
	10:30 – 11:30AM	Disaster Management – An introductory
	11:30 – 12:30PM	Vulnerability of Mizoram to various Hazards
	12:30 – 1:00 PM	Lunch Break
	1:00 – 2:00 PM	Disaster in the School
	2:00 – 2:15 PM	Tea Break
	2:30– 4:00 PM	Disaster Resistant School Building and Retrofitting
2 <sup>nd</sup> Day	10:00 – 11:00AM	Disaster Resistant School Building and Retrofitting
	11:00 – 12:00PM	Non-Structural Mitigation Measure & Hazard Hunt
	12:00 – 12:30 PM	Lunch Break
	12:30 1:45 PM	Basic Search and Rescue
	1:45 – 2:45 PM	Basic First Aids
	2:45 – 3:00 PM	Tea Break
	3:00 – 4:00 PM	Do's and Don't in Disaster Management
3 <sup>rd</sup> Day	10:00 – 11:00AM	School Disaster Management Plan
	11:00 – 12:00AM	Building Evacuation & Evacuation Drill
	12:00 – 12:30 PM	Lunch Break
	12:30 – 1:30 PM	Practical
	1:30 – 2:30 PM	Practical
	2:30 – 2:45 PM	Tea Break
	2:45 – 4:00 PM	Evaluation and Closing

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**DURING 16 – 18 JUNE, 2010**

<b>Day</b>	<b>Time</b>	<b>Suggested Topics</b>	<b>Resource Person</b>
16 <sup>th</sup> June 2010 (Wed)	9.30 – 10.00 AM	Participants Registration	
	10:00 – 10:30AM	Inauguration	
	10:30 – 11:30AM	Disaster Management – An introductory	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	11:30 – 12:30PM	Vulnerability of Mizoram to various Hazards	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	12:30 – 1:00 PM	Lunch Break	
	1:00 – 2:00 PM	Disaster in the School	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	2:00 – 2:15 PM	Tea Break	
	2:00– 3:00 PM	Basic First Aid	Dr. Vanlalhriatpui ART Centre, CH[A]
	3:00– 4:00 PM	Mass Casualty Management	Dr. Vanlalhriatpui ART Centre, CH[A]
17 <sup>th</sup> June 2010 (Thu)	10:00 – 11:00AM	Disaster Resistant School Building and Retrofitting	Er .Lalbiakzuala Associate Proffesor DMC, ATI
	11:00 – 12:00PM	Disaster Resistant School Building and Retrofitting	Er .Lalbiakzuala Associate Proffesor DMC, ATI
	12:00 – 12:30 PM	Lunch Break	
	12:30 1:45 PM	Non-Structural Mitigation Measure & Hazard Hunt	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	1:45 – 2:45 PM	Basic Search and Rescue	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	2:45 – 3:00 PM	Tea Break	
	3:00 – 4:00 PM	Do's and Don't in Disaster Management	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
18 <sup>th</sup> June 2010 (Fri)	10:00 – 11:00AM	School Disaster Management Plan	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	11:00 – 12:00AM	Building Evacuation & Evacuation Drill	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	12:00 – 12:30 PM	Lunch Break	
	12:30 – 1:30 PM	Practical	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	1:30 – 2:30 PM	Practical	Dr. Lalrokima Chenkual, Head Faculty, DMC, ATI
	2:45 – 4:00 PM	Evaluation and Closing	

