

#### **BACKGROUND**

 The Indian Subcontinent is highly prone to disasters - North East Region – earthquake Zone V

 The occurrence of major earthquakes is a common phenomenon in the country – 1897, 1950

- We are prone to floods, landslides and thunderstorms
- Awareness and preparedness of such a possible disaster is the prime need of the hour - to minimize the loss

 India being a vast country with different socio cultural setup – we have found many difficulties in spearding awreness

# So, we tried to prepare materials for the people at various level from professionals to illiterate laymen

## AFTER AN EARTHQUAKE



#### **DEFINING VULNERABILITY**

- IMPOSSIBLE TO STOP nature's fury
- So we need to take measures for a peaceful co-existence with it - measures to reduce their impact
- The vulnerability of societies to disasters in India or in any developing nation is ascertained by a number of factors inherent in the characteristics of the place.

- Three key factors that directly ascertain the disaster-vulnerability of a society are as follows:
- 1) Population density -Population of an area actually gives an estimate of the risk of damage.
- 2) Lack of a system in the form of a proper 'disaster management framework'
- 3) Lack of awareness about disaster preparedness

In an earthquake disaster situation, a quick rescue and relief mission is inevitable.

Considerable damage can be minimized if adequate preparedness levels are achieved.

Dismantling of knowledge and information to the common man is of utmost necessity.

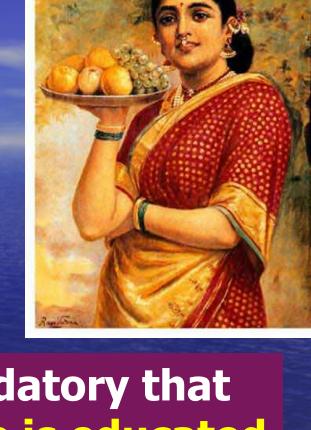


- Special groups such as women, disabled persons, children etc. are more vulnerable in an emergency situation and require special attention.
- Several earthquakes show that women are usually worst affected when the disaster strikes.
- The women are not only victims but also agents of change.
- In India, 73% of the population resides in rural areas and hence a very structured planning and procedure is required.

#### **INTRODUCTION**

- Preparedness measures such as :
  - training of role players, including the community,
  - effective communication,
  - a sound and well networked institutional structure, including govt. organizations, academic and research institutes, the armed forces and the NGOs have greatly contributed to the disaster management of the country.
- The first step in this direction is to identify the vulnerable communities with weaker economic conditions which are periodically exposed to natural hazards.

From time immemorial, the Indian society has considered the woman as the lifeline of the



Hence, it becomes mandatory that the woman in the house is educated in terms of vulnerability risk th management in a disaster situation. children.

# WOMEN are the worst sufferers



#### **OBJECTIVES**

- To identify the hazard profile of the community and its neighbourhood
- Assessment of disaster risk from a probable earthquake and other natural calamities
- Evaluation of the target responders of the community, their economical, social and intellectual capabilities to understand the complexities of disaster management.
- Creation of methodologies to educate the women, children and the disabled persons to react in a matured manner during an earthquake through <u>awareness of</u> individual and community resources.
- Use of mass media, radio service, TV networks, NGOs and social organisations of the locality to educate the community to respond to such a disaster.

#### THE STUDY AREA AND THE TARGET GROUP

 Parts of the state of Assam and parts of the state of West Bengal, India - group of deprived communities -varied educational and social setups.

 Surrounded by economically disadvantaged lower sections, uneducated — mainly scheduled castes and scheduled tribes

#### A TYPICAL TEA GARDEN LABOURER HOUSEHOLD





#### **METHODOLOGY**

- Lower Section Of The Society Identified
   Based On Dwellings
- Action Groups Chosen = Local Community Members
- Village level administrative unit or Panchayat Officials Were Also Made A Part Of The Awareness Generation Program
- Local People Got Together To Choose Places For Holding Meetings

- Door-to-door campaigning
- Intellectual level of target group determined the mode of communication of awarenes programme
- Distribution of study material
- Audio visual aid

#### SELECTION OF PROPER MEANS OF AWARENESS GENERATION

#### **Preparation of study materials**

Small leaflets with minute guidelines on pre and post earthquake disaster related activities

#### **Preparation of Audio Visual Aids**

Local folklore adopted to include songs with lyrics describing earthquake risks and mitigation

Short documentaries and visual presentations displaying fury of earlier earthquake

#### SELECTION OF PROPER MEANS OF AWARENESS GENERATION

#### Organization of street plays

Use of mythological characters

#### **Involvement of the Media**

Print media: Restricted to the higher literary class

Broadcast media: Radio and Television

#### **Preparation of Emergency Toolkits**

**Food** 

First Aid Kits

Water

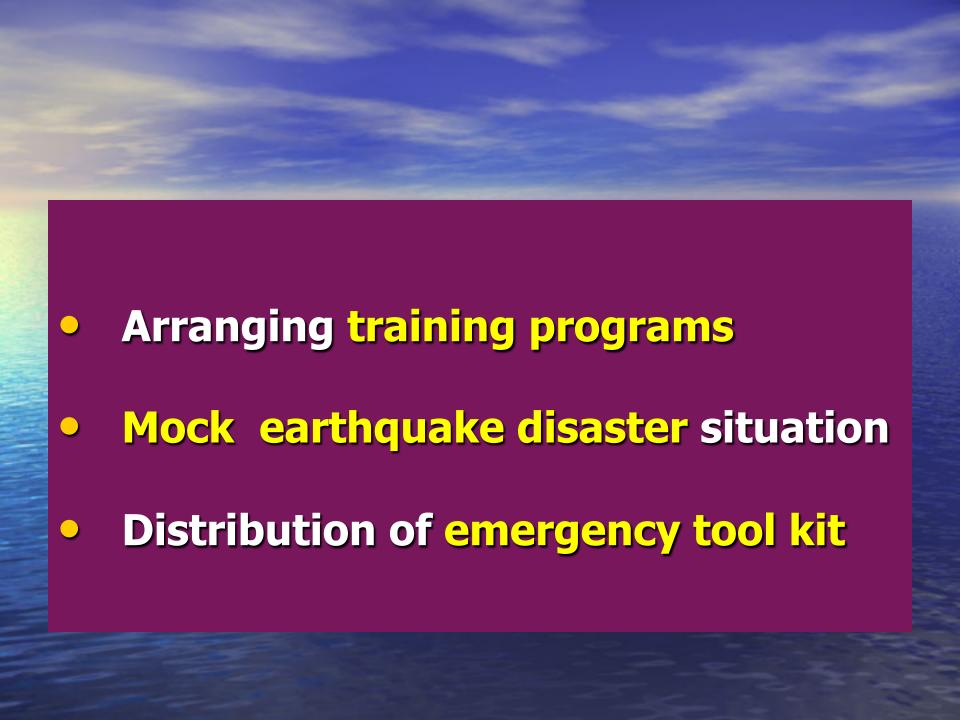
Clothing and bedding

**Tools** 

Special items

#### **METHODOLOGY**

- INFORMATION SPREAD ABOUT SEVERITY OF EARTHQUAKE IN PLACES MOST FREQUENTED BY LOCALITES
- In all governmental setups
- Religious institutions
- Community centres
- Places of entertainment like the theatre halls and Local fairs
- Illustrations were used, along with real-life disaster photographs, to convey the facts about the disaster.



#### Educating the Tea Garden Folks



Opened a Mother's Club – consisting of the 20–25 semi– educated married, elderly women, with a Team Leader – who were trained – and they, in their turn, educated others







## EXPERTS FROM ASSAM STATE DISASTER MANAGEMENT AUTHORITY DELIVERING LECTURES



## PRACTICAL DEMONSTRATION BY THE CIVIL DEFENCE TEAM ON RESCUE AFTER A DISASTER



## STUDENTS TAKING TRAINING ON RESCUE AND FIRST AID AFTER A DISASTER





### OFFICERS FROM ASSAM STATE FIRE AND EMERGENCY SERVICES OFFERING TRAINING AT THE INSTITUTE COMPLEX





## ASSAM STATE FIRE AND EMERGECY SERVICES DEMONSTRATING THE USE OF FIRE FIGHTING EQUIPMENTS



## PRACTIAL DEMONSTRATION ON THE FIRE FIGHTING EQUIPMENTS AND TECHNIQUES



## DEMONSTRATION OF VARIOUS FIRE FIGHTING EQUIPMENTS



## PRACTICAL TRAINING ON HANDLING TO CONTROL NORMAL HOUSEHOLD FIRE



# AT THE SUCCESSFUL COMPLETION OF THE TRAINING CERTIFICATES ISSUED BY THE PRINCIPAL



#### PROBLEMS WITH THE TARGET GROUP

 Lack of awareness and education about disasters

Poverty

Low intellectual ability

 Beliefs on age old traditions and rituals – the Supernatural

 Unsafe low cost dwellings – high concentration in a very small space

 Natural shyness towards awareness programmes.

### VILLAGE WORSHIP AND CULTURAL CENTRE (NAMGHAR)



### **AWARENESS CAMPAIGN THROUGH THE VILLAGES**



- ONE PRIMARY SOURCE OF SPREAD OF INFORMATION
  - -The Media influences people's mindset
  - Most economical and efficient way of spreading the information through
  - News, entertainment, cinema, street plays, television, radio, newspapers and magazines, social functions (through popular songs with lyrics changed)

- Prime guideline in making the Disaster Mitigation Plan –
  - -the level of awareness and preparedness of the people concerned
  - Focus was at minimizing damage of all kinds during and after a disaster

## AWARENESS THROUGH NRITYA NATIKA (DANCE DRAMA)



## **AWARENESS THROUGH BHAONA (LOCAL DRAMA)**



#### As Hanumaan, the Hindu God



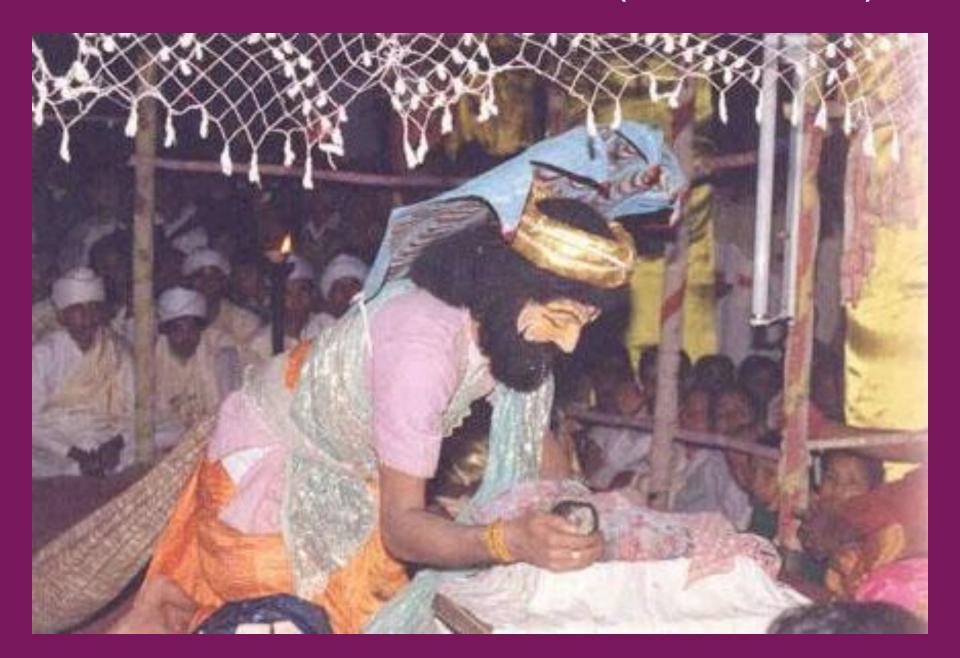




## AWARENESS THROUGH BHAONA (LOCAL DRAMA)



## AWARENESS THROUGH BHAONA (LOCAL DRAMA)



## A TYPICAL ASSAM TYPE HOUSE



# STRUCTURAL REPLICA OF A TYPICAL ASSAM TYPE HOUSE PRESENTED IN A DRAMATIC WAY FOR AWARENESS





#### **CONCLUSIONS**

- Earthquake Preparedness = Prime Need Of The Hour -----Region Of High Vulnerability
- Lowest rung of society should be given most importance - most vulnerable due to lack of education and awareness
- Society composed of different intellectual capabilities - so varied tools should be developed

 Community education best form of education for the lower rungs of the society.

 Audio visual aids and street plays = very effective and responsive amongst the lesser educated people of the society.

 Emergency Disaster Supplies Kit (DSK) a must for every household for immediate use in case of a disaster.  Printed materials and use of media can increase the awareness level very quickly and efficiently and the viewers and the listeners can acquire the earthquake disaster related information in their households.

• A strong need is felt to shift the paradigm from post disaster relief to preparedness and mitigation when disaster strikes.

