

# Kathmandu Valley Earthquake Preparedness Initiative

(Enhancing the culture of preparedness and addressing the existing risk)

NSET Information Kit | 014 | 2011



## BACKGROUND

A study carried out during the implementation of Kathmandu Valley Earthquake Risk Management Project (KVERMP) estimates that a major earthquake in the Kathmandu Valley today would cause 40,000 deaths, injure 95,000, leave 600,000 – 900,000 homeless, damage 60% of the building stock beyond repair, and severely damage the road network including countless bridges as well as the public water supply system. To combat such events, this program uses a combined approach of building the capacity of the volunteers of Nepal Red Cross Society (NRCS), pre-positioning critical relief supplies and rescue equipment, drilling water points, training people in basic first aid and rescue techniques, and helping the general public to identify and advocate for safer building practices.

Project Period:	February 2004 to March 2005
Implementing Partners:	NRCS Districts and respective subchapters, Municipalities and respective wards
Executing Agency:	NRCS and American Red Cross
Project Area:	10 wards within five municipalities of Kathmandu Valley
Technical Support:	National Society for Earthquake Technology-Nepal (NSET)
Funding Support:	American Red Cross (ARC)

## GOAL

To improve resiliency of communities to deal with seismic hazards and reduce sufferings in case of an earthquake.

## OBJECTIVES

1. To build disaster management capacity of NRCS at the national, district, and sub-chapter level
2. To build preparedness and response capability of 10 municipal wards in Kathmandu Valley
3. To increase public awareness about earthquake safety and preparedness practices at the ward level

## ACTIVITIES

- Conduct national and district level disaster management training including: disaster management training of trainers, inventory and warehouse management and earthquake preparedness technical training.
- Pre-position of basic relief supplies in 4 strategic locations in the Kathmandu Valley.



# Kathmandu Valley Earthquake Preparedness Initiative

(Enhancing the culture of preparedness and addressing the existing risk)

NSET Information Kit | 014 | 2011



- Development of curriculum for community level search and rescue.
- Drill two 30- metre tube-wells in Tundikhel Park as a contingency to be used in the event of major earthquakes. This was rather a symbolic effort to draw the public attention on pre-positioning of water for use in emergency.
- Conduct ward level training in disaster management, basic first aid, and light search and rescue.
- Test ward disaster plans by conducting a simulation or drill in each ward, revise disaster plans as necessary.
- Identify 4 storage spaces in each ward where excavation and search and rescue tools can be pre-positioned e.g. - ward office, high school, and health post.

- Organize ward "Earthquake walks" to identify local hazards within the community safer building practices and
- Develop and distribute public awareness materials on earthquake safety.

## PROGRAM OUTPUTS

- Formulation of Ward level Disaster Management Committees
- Pre-position rescue equipment kits at 4 wards in Kathmandu Valley
- Development of curricula and implementation of training programs on Warehouse Management, Disaster Management, Training of Trainers (TOT), Earthquake Preparedness and First Aid
- Two tube-wells constructed at Tundikhel for water supply during emergencies
- Improved NRCS human resource capacity, volunteer base, and ability to provide disaster management training and technical assistance
- Enhanced capacity to deliver relief services to the most vulnerable
- Hazard maps created and preparedness and response plans in place and practiced in different Wards
- Improved human resource base in Wards to administer first responder services in the aftermath of an earthquake
- Increased access to information for the general public on what to do before, during, and after an earthquake

### Program implemented Wards of Kathmandu Valley:

Kathmandu Metropolitan City

Ward 2, 18 & 16

Lalitpur Sub-metropolitan City

Ward 7 & 9

Kirtipur Municipality

Ward 9 & 10

Bhaktapur Municipality

Ward 3 & 13

Madhyapur Thimi Municipality

Ward 6

