

Disaster Preparedness for Safer Schools



Community people preparing Social Map during VCA/DP Plan Training

There are now more than 100 trainers at the school and the community level who have been actively engaged to deliver the Basic Disaster Management Training (BDMT) in all program schools of Bhaktapur and Nuwakot, the selected two program districts under the project Disaster Preparedness for Safer Schools (DPSS) in Nepal implemented jointly by NSET and Nepal Red Cross and with the funding support from American Red Cross (ARC).

Based on the project plan, this quarter (April to June 2010) was mainly focused on training of trainers (TOT) and end user training on different aspect of disaster risk management. During the quarter, four School Based Disaster Preparedness Training of Trainers (SBDToT), fifty Basic Disaster Management Training (BDMT), two Vulnerability Capacity Assessment/ Disaster Preparedness Plan (VCA/DP Plan) were conducted. Altogether thirty four Junior Red Cross Circle was formed. In addition, three different

curricula for four days Basic First Aid Training, three days Vulnerability Capacity/Disaster Preparedness Planning Training (VCA/DP Plan) and half day Community orientation session (CDA) was prepared during this quarter.

School Based Disaster Preparedness Training of Trainers (SBDToT):

Under the project, 4 School Based Disaster Preparedness Training of Trainers program was conducted in both program districts. Total 108 school teachers and Red Cross Volunteers participated in the training. Among them, 88 were school teachers, 20 were Red Cross volunteers; 26 were female and 82 were male. Teacher Sponsor and Deputy Teacher Sponsor from all the targeted school participated the training.

The overall purpose of the training was to build the capacity of teachers on disaster preparedness and to make them prepared to conduct basic disaster preparedness training at schools and awareness session in community. The training was divided into two parts. The first part was focused on disaster risk management concept and second part was focused on training delivery skill. The training was conceptualized to produce the trainers who can deliver the basic disaster management in school as well as at community level. Performances of the participants were evaluated

... Continued to page 3

17 Glorious Years of NSET



NSET President unveiling Earthquake Safety Monument

Bhookampa Pravidhi Rashtriya Samaj Nepal or the National Society for Earthquake Technology-Nepal (NSET) has completed 17 years of its institutional mission. To mark this precious occasion, a special function was organized at Community Earthquake Learning Center (CELC), Bhainsepati, Lalitpur where NSET headquarters reside. Nearly 300 distinguished invitees from NSET partner organizations, various agencies, community representatives and also individual personalities joined with NSET Founder Members, Board Members and Staff to celebrate this edition in very much festive mood.

NSET was officially registered at the District Administration Office, Kathmandu on April 28, 1994 and at the Social Welfare Council on August 10, 1998. However, NSET was conceptualized formally on 18th June 1993 and the day is observed annually so as to revisit year-long efforts of NSET and streamline further strategies of action toward promoting earthquake safety in Nepalese communities and the region. NSET's overall plans, programs and activities are aligned with its long term vision to make "Earthquake Safe Communities in Nepal by 2020".

Addressing the august gathering, Mr. Shiva B. Pradhanang, NSET President proclaimed about growing institutional capacity of NSET to implement and advance the processes of earthquake risk management in a developing country such as Nepal that has been struggling to come out of political and economic quagmire during the entire past decade. He thanked all the agencies, civic groups and individuals for their untiring support to NSET mission and reiterated his collective commitment

... Continued to page 5

:: In This Issue

PEER Activities 2

SESP Activities 2

EERT Activities 4

Orientation program 6

World Forum 7

REGIONAL TRAINING PROGRAM

Program for Enhancement of Emergency Response (PEER) Activities

Medical First Responder (MFR) Course in Bangladesh

The National Society for Earthquake Technology (NSET)/PEER in collaboration with Fire Service and Civil Defence, Bangladesh, conducted Medical First Responder (MFR) course under Partial Funding Assistance Program (PFAP), at Fire Service and Civil Defence Training Complex, Mirpur, Dhaka from May 16-28, 2010. There were 24 participants in the course and 23 of them successfully completed the course. The course was monitored by Mr. Bel Bahadur Thapa, Consultant, Nepal Red Cross Society and Mr. Rezaul Karim, Adjutant from Fire Service and Civil Defence Training Complex, served as Course Coordinator.

Medical First Responder (MFR) Course in Nepal

National Society for Earthquake Technology (NSET)/PEER in collaboration with Nepal Police conducted Medical First Responder (MFR) course under Partial Funding Assistance Program (PFAP), at National Police Academy, Maharajgunj, Kathmandu, from June 22 to July 4, 2010. There were 23 participants in the course and all of the participants successfully completed the course. The course was monitored by Dr. Sarita KC from Nepalese Army and Mr. Thule Rai from Nepal Police served as Course Coordinator.



Participant in practical station

SCHOOL EARTHQUAKE SAFETY PROGRAM (SESP) ACTIVITIES

Schools Safer Against Earthquake

Developing a Strategy for Improving the Seismic Safety of Schools in Nepal

NSET has been providing technical assistance to various schools under School Earthquake Safety Program through joint program of different institutions. One such joint endeavor is with the Global Facility for Disaster Reduction and Recovery (GFDRR) managed by the World Bank for

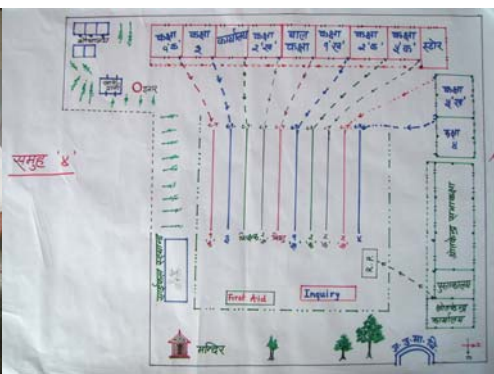
local mason, teachers, students and community of the selected two districts. The project duration is August 2008 to August 2010.

Under the pilot project implemented at Nawalparasi and Lamjung District the following activities were completed during the period:

- With an objective to train teachers of the project implemented schools of Nawalparasi and Lamjung



Teachers training participants involved in group work



the implementation of "Developing a Strategy for Improving Seismic Safety of Schools in Nepal". The program is being implemented jointly with the Department of Education, Ministry of Education; Government of Nepal. Two districts, Lamjung and Nawalparasi have been selected for the implementation of pilot projects. The project components includes preparing draft National Strategy on School Safety, Preparation of draft curriculum for School education, retrofitting of six school buildings, and training to

District about School Earthquake preparedness a 3 day 'Teacher Training on Earthquake Preparedness' was conducted at Gaidakot Resource Centre, Gaidakot, Nawalparasi during 21-23 April 2010. Altogether 30 teachers (Male: 20/Female: 10) were trained. District Development Corporation (DDC), District Education Office (DEO), Gaidakot Resource Centre, Nawalparasi were the local partners for organizing the training program.



During the teachers training at Nawalparasi

- Similarly a total of 23 teachers of Lamjung (Male: 15/Female: 8) also got trained on Earthquake Preparedness from the 3 day 'Teacher Training on Earthquake Preparedness'. The training took place on 26-28 April 2010 at Bhotedar Resource Center, Bhotedar, Lamjung. District Development Corporation (DDC), District Education Office (DEO), Bhotedar Resource Centre, Lamjung were the local partners for organizing the training program.



During the teachers training, Lamjung



Simulation exercise by student during BDMT Training

as to identify the best trainers to mobilize in other trainings.

The overall training was found excellent to prepare the disaster risk reduction resource person in each school level. Participants were given all the required skill and knowledge to provide basic disaster management training in their schools.

Basic Disaster Management Training (BDMT):

In order to train the students on disaster preparedness, three days Basic Disaster Management Training was conducted in all 50 program schools. This training was facilitated by Teacher Sponsor and Deputy Teacher Sponsor with the support of Program staffs and other trained persons at the District level. The overall purpose of this training was to enhance school level capacity on disaster preparedness and activate Junior Red Cross Circle for further DRR initiatives.

Total 1524 students and 24 teachers participated; among them, 699 were boy, 825 were girls, 6 were male teachers and 6 were female teachers. The training was focused in disaster terminologies, disaster management cycle, disaster in Nepal, disaster preparedness, role of school and community in disaster risk reduction and disaster preparedness plan at school level. All the participants' students and teachers were trained on how to disseminate the message of disaster within the family and in the community.

Vulnerability Capacity Assessment/ Disaster Preparedness Plan Training:

Vulnerability and the Capacity Analysis (VCA) is key component which will guide DRR initiatives at local level. Such VCAs are planned to be conducted for all schools/ communities. So as to

make the VCA realistic, 2 VCA/DP plan trainings were conducted at the district level. This training has provided basic skills required for the VCA and DP plan preparation at the school and community level. Teachers Sponsors, Deputy Teachers Sponsor and one school student were the participants of the training, among them 13 were female. Total 60 participants from 2 districts participated in the training. After the training each school will have to conduct the Vulnerability Capacity Assessment and prepare the Disaster Preparedness Plan.

VCA/DP plan training was conducted based on the practical knowledge on conducting the vulnerability capacity assessment. During the training all the participants were divided into four groups and assigned to conduct the VCA of school as exercise. Participants conducted the VCA in assigned school during the training and prepared the VCA report. After conducting the VCA, participants prepared the sample Disaster Preparedness Plan of school. Based on the preparedness plan, drill exercise was conducted giving the role to each participant. So, the training was also found helpful to conduct the drill exercise (simulation) in schools.

Formation and Reformation of Junior / Youth Red Cross Circle in School:

During this quarter, Junior Red Cross Circle were formed / reformed in 34 schools. All the Junior Red Cross Circle were formed/ reformed as per the Nepal Red Cross Society Central Junior and Youth Red Circle policy. A brief Red Cross orientation was provided while formation of Junior Red Cross Circle. The DPSS project has mobilized the members of JRC in awareness rising activities, managing the Basic Disaster Management training.

Cross-Cutting Themes:

During this quarter, half day disaster preparedness orientation was organized in Bhakatapur District. The orientation was targeted to the Office Heads of District Level government office. The purpose of the orientation was to sensitize the government offices for disaster preparedness in district level. The orientation was hosted by District Administrative Office and facilitated by the DPSS project.

Likewise, half day orientation was conducted in Nuwakot district for secretaries of Village Development Committee (VDC). All the Secretaries of VDCs in Nuwakot participated the orientation. The main purpose of the orientation was to give the disaster concept, coping mechanism to reduce the disaster risk in community and role



SBDTOT at Bidur Nuwakot

and responsibility of VDC Secretary and local government office to work on disaster preparedness. All the Secretaries of VDCs have committed to allocate the fund for disaster preparedness. Both of these programs were organized on request of district government office after sharing the project goal, objective and activity during stakeholder meeting in district level.

Plan of Action for next quarter:

The major activities planned for next quarter are as follow:

- 10 Basic First Aid Training
- 4 Light Search and Rescue Training
- VCA and preparation of Disaster Preparedness Plan in 20 schools
- Drill exercise (simulation) in 20 schools
- Small scale mitigation work led by Junior Red Cross Circle in 20 schools.
- Quiz and arts competition in school and district level.



DFID house visit, NSET professional explaining the occupants on seismic safety

- **Seismic Vulnerability Assessment of buildings**
Seismic vulnerability assessment of buildings possessed by various organizations that include the buildings of Asian development bank, PSI, UN Resident and Humanitarian Coordinator for Nepal was carried to determine the

reliability of buildings in large earthquakes.

- **Retrofit Design of British Embassy Buildings**
Second phase seismic vulnerability assessment and retrofit design of three staff residences of British Embassy at Lazimpat was accomplished with preparation of tender documents including Bill of Quantities and working drawing.
- **Development and Submission of Engineer Training Manual**
10 days Engineer Training Manual on "Earthquake Resistant Design of Buildings/ Nepal National Building Code and its implementation" was prepared and submitted to the office of Earthquake Risk Reduction and Recovery Preparedness Program (ERRRP-NEP/07/010). The manual comprised of three main documents such as power point slide, instructor's workbook and participants workbook and the main report.

- **Seismic Risk Assessment and Mitigation of DFID Staff Residences**

Seismic risk assessment and non-structural mitigation of the residential buildings of DFID, Nepal was carried as part of the earthquake emergency preparedness plan for DFID. The task identifies simple precautions and mitigation measures to reduce the potential damage due to earthquake. Identifying potential hazards ahead of time and advance planning can reduce the dangers of serious injury or loss of life from an earthquake

- **Support/Guidance to University students**

A student of ME level from Khwopa Engineering College was supervised and guided for his thesis program. The study was focused on determining the ductility of the most common engineered reinforced concrete frame building types in Nepal.

Other Activities

Brainstorms on Emergency Response Systems for Nepal



Participants of the workshop

A two-day national workshop for preparing "Framework of National Emergency Response System for Nepal" has been jointly organized by Government of Nepal, Ministry of Home Affairs (MOHA) and NSET in association with Asian Disaster Reduction & Response Network (ADRRN) and with financial support from AusAID during 14-15 March 2010 in Kathmandu.

The main objective was to help develop an outline of the emergency response framework for Nepal. Following specific objectives were envisioned while developing the outline:

- Review existing condition of emergency response system and capacities.

- Revisit the lessons learned during major disaster events such as 1988 earthquake, 1993 flood, and 2008 Koshi flood.
- Review international practices of emergency response system specifically of the countries similar to the context of Nepal such as Bangladesh, India, and Philippines etc.

The following existing gaps, problems and challenges have been identified during the national strategy formulation process.

- Emergency response planning and capability enhancement not institutionalized at the centre, district or community levels; response capacity exists only at the central level and it may be considered adequate for smaller disasters, but not adequate for medium or large disasters.
- There is a lack of fully equipped emergency operation centers at the central and district levels.

- Emergency preparedness or response plan exists for limited number of lifelines and critical facilities only; none of the ministries, departments and industrial establishments has adequate emergency response and business continuity plans.
- The Fire Brigade is not a unified institution and the coordination is ad-hoc.
- There is a lack of agreed upon standards for emergency response: even the existing Norms for Relief are not widely known to people because of the lack of proper mechanisms.
- There is no system for the enrolment and sustained operation of volunteers programs. Community as the first responder is usually not recognized and not assisted by any nationally organized program so far.
- No system for periodic assessment/updating of and monitoring of disaster response capability made. Disaster drills have taken place few and far in between.



Small group discussion



Altogether 48 participants among from Members of Constituent Assembly and representatives from Government Ministries and Departments; Nepal Army, Nepal Police, Armed Police Forces; Associations of Local Authorities; Municipalities within Kathmandu Valley; Academic Institutions; UN agencies; donor agencies; NGOs/INGOs and Red Cross Movement participated the program.

The program has become successful in terms of paving key footsteps on the intended outcomes.

- Critical issues related to Framework of National Emergency Response System and thematic areas identified.
- Major actions to address the thematic issues identified and Institutions to take lead and support in materialising these actions identified.

Thematic areas suggested to be included in the Framework of National Emergency Response System include (a) Information, communication and Coordination (b) Search, Rescue and Evacuation (c) Damage control (d) Damage and needs assessment (e) Relief (food and non-food) (f) Recovery, reconstruction, rehabilitation and Capacity Building.

Continues '17 Glorious Years of NSET' ...

that NSET would continue to strive towards making our communities safer.

“NSET strongly believes that earthquake protection of people can be achieved by enhancing the awareness of communities: helping them to understand the seismic risks and providing simple methods in mitigating them through easy to follow guidelines. We are proud that our work has been accepted by the Nepali people in general and the poorest of the poor in the South Asia region. Our measures have assisted rural communities as well as public institutions in the cities. NSET’s approach, methodologies, and innovative initiatives have been recognized in Nepal and in the region”, Mr. Pradhanang stated.

Earlier, welcoming distinguished guests, Mr. Surya Narayan Shrestha, NSET Deputy Executive Director, explicitly portrayed institutional views on Development of NSET and Achievements in past years. He affirmed: “NSET was established on 18th June of the year 1993 and since then 17 active and fruitful years have passed leaving behind a lot of encouraging experiences, lessons and memories which we hope will guide and show path for our future. We would like to remember joys, excitements, hard works of those struggling days and get encouragements from the past to work further actively in the future towards achieving our goal of making communities safer against earthquakes and the disasters”.

NSET as Mr. Shrestha declared is planning to up-scale its activities to a new height. Following are some of NSET further dreams to take the responsibility to a new height:

- Establishment of a Graduate School of Disaster Risk Management where Master’s and Ph.D. students can do practical researches on several aspects of disaster risk management.
- Establishment of Institute for Disaster Risk Management where several short training courses in different aspects of disaster risk management will be conducted.
- Turning building vulnerability assessment and retrofitting works

into a regular business of NSET and develop a culture that people do vulnerability assessment of their buildings and do retrofitting if required. Possibly, this may allow NSET to generate significant resources.

- Establishing an endowment fund for NSET so as to help NSET run conveniently.

On the occasion, Mr. Shankar Koirala, Joint Secretary and Head of Disaster Management Division, Ministry of Home Affairs in his keynote speech highlighted on government initiatives and efforts to address potential disaster threats in Nepal. He expressed his happiness to witness NSET endeavors toward earthquake risk reduction. Mr. Umesh Dhakal, Executive Director, Nepal Red Cross showed his heartfelt satisfaction to partnering with NSET on different areas on different times and wished for the every success of NSET in the direction of achieving its institutional vision. Mr. Khadga Sen Oli, Advocacy and Outreach Manager, NSET briefed about salient features of “Earthquake Safety Monument” and “Bhubaneshwory Temple” recently established in the CELC premises.

While during the celebration, NSET President Mr. Shiva B. Pradhanang and Joint Secretary Mr. Shankar Koirala jointly unveiled this year’s edition of NSET Annual Report “Safer Society”. NSET President Mr. Pradhanang also unveiled the “Earthquake Safety Monument” established in CELC premises and conferred “Letter of Appreciation” to professional individuals and firms for their contribution to NSET in making CELC and other facilities. Ms. Rekha Saha Kandel, Architect, Managing Director, NBR Engineering Services was awarded for her valuable contribution to NSET in developing Architectural Designs of Community Earthquake Learning Center (CELC). Ms. Kandel had rendered her professional services as an Architectural Designer. M/S Dragon Construction, Civil Contractor was awarded for its valuable contribution to NSET in



NSET President and Joint Secretary from MOHA releasing Safer Society 2010

undertaking construction of Community Earthquake Learning Center (CELC). Mr. Jagan Nath Gautam, Proprietor, M/S Dragon Construction had rendered its professional service as a Building Constructor. Mr. Prithvi Narayan Shrestha, Sculptor was awarded for his valuable contribution to NSET in designing and constructing monumental structures at Community Earthquake Learning Center (CELC). Mr. Shrestha had rendered his professional services for carving sculptures of Earthquake Safety Monument (in Marble), design & fabricating sculpture of Goddess Bhubaneshwory and designing & supervising construction of Bhubaneshwory Temple located at CELC premises.

On this auspicious occasion, Mr. Amod Mani Dixit, NSET General Secretary and Executive Director, in his statement through Annual Report has expressed his sincere gratitude to Ministry of Home Affairs (MOHA), Ministry of Physical Planning and Works (MPPW), Ministry of Local Development (MOLD), Kathmandu Metropolitan City (KMC), Lalitpur Sub-Metropolitan City (LSMC) with whom NSET worked very closely; and also to USAID/OFDA, The World Bank, United Nations Development Programme (UNDP), European Commission Humanitarian Aid Department through DIPECHO Partners in Nepal who supported NSET efforts on Disaster Risk Management in Nepal. Also he added his thankfulness to NGOs/INGOs, CBOs and various communities in Nepal who continuously encouraged NSET to work with.

Interaction with CA Members on DRR

NSET Deputy Director Mr. Surya Narayan Shrestha made keynote presentations on Disaster Risk Reduction in series of Interaction Programs with Constituent Assembly (CA) Members on 24th Feb, 7th April and 29th April 2010 in Kathmandu. The program was organized jointly by Humanitarian Aid Department of European Commission, Australian Government-AusAID, ActionAid and Co-Action Nepal in association with Oxfam, DPNet-Nepal and Eco-Nepal with the view to inform and sensitize the Constituent Assembly members on disasters, risks and need for increasing attention and framework to address disaster risks. Such an initiative has been believed to produce and propagate substantial dynamism in accelerating nation level policy formulation processes and developing effective plans and programs at various levels. Participating CA Members were found highly concerned over issues of disaster risks and their management. CA members were availed with Disaster Risk

Reduction Tool Kit, a brief but comprehensive publication material on Disaster situations and priorities in Nepal which is a professionally designed information pack on disaster risk reduction, specially designed to inform constituent assembly members on DRR, sensitize the policy makers on disaster issues and solicit their informed involvement and leadership to strengthen DRR framework in Nepal. The Tool Kit comprises of overview of disasters in Nepal, NSDRM, existing legislation on disaster management, HFA, need for strengthening DRR framework through an inclusive approach addressing special needs of differentially vulnerable people, disaster map of Nepal, disaster fact sheet and proposed flood early warning strategy as a key DRR measure for Nepal.



Deputy Executive Director of NSET presenting for CA members

This compilation has been produced by key DRR stakeholders including Ministry of Home Affairs, partners of the DIPECHO program under European Commission Humanitarian Aid Department, United Nations Development Program in Nepal, Oxfam GB, Association of International NGOs, DPNet, Nepal Red Cross and NSET.

ORIENTATION PROGRAMS

Earthquake Orientation

NSET provided a number of orientation programs on earthquake preparedness for different agencies during the period.

April 2010: An orientation program on earthquake preparedness was conducted for the Rotary Youths at RYLA 2010, held at Gyanodaya Residential School, Bungmati, Lalitpur.

April 2010: An orientation program on earthquake preparedness followed by an evacuation drill was conducted for the staff of Handicap International (HI Nepal) at the HI Office, Maharajgunj, Kathmandu.

April 2010: NSET professional made presentation on Disaster Risk Management in a series of orientation program organized by Ministry of Local Development (MOLD) in Biratnagar, Dhangadi, Pokhara, Kathmandu respectively.



Participants attending the orientation lecture

CONFERENCE / WORKSHOPS

(April - June 2010)

Month / Year	Conference/ Workshops	Venue	Participation
April	ERRA - International Conference 2010, 19-21 April, 2010	Islamabad, Pakistan	Mr. Amod Dixit
April	Global Earthquake Model (GEM) Final Review Meeting, 26-30 April, 2010	Pavia, Italy	Mr. Amod Dixit
May	GFDRR Kyoto Meeting and Policy Forum , 16-21 May 2010	Kyoto, Japan	Mr. Amod Dixit
June	Outreach Meeting of the Global Earthquake Model (GEM), 1-4 June, 2010	World Bank, Washington DC, United States of America	Mr. Amod Dixit

Nearly 30 Asian cities sign up to the 'Making Cities Resilient Campaign'

28 cities signed up to the new 'Making Cities Resilient: My City is Getting Ready' campaign at a regional launch event in New Delhi on 8 June 2010. The event was hosted by the National Institute of Disaster Management (NIDM), SAARC Disaster Management Centre and the Indian Ministry of Urban Development. Among the cities that joined the campaign are New Delhi and Pune (India), Dhaka (Bangladesh), Karachi (Pakistan), Kathmandu (Nepal), Kabul (Afghanistan), Colombo (Sri Lanka), Thimpu (Bhutan) and Male (Maldives). All cities commit to sustainable development practices that increase their cities' resilience to disasters and to take the necessary steps to put in place much-needed disaster risk reduction plans.

The two-year campaign targeted more than 1,000 local government leaders worldwide to commit to sustainable development practices that increase their cities' resilience to disasters and to take the necessary steps to put in place much-needed disaster risk reduction plans.

"Urban risk reduction is an opportunity that cities and their populations cannot afford to miss," said Margareta Wahlström, UN Special Representative of the Secretary-General for Disaster Risk Reduction. "I encourage all cities to join and take an active role in the campaign so that our cities and urban centres can become safer today and for generations to come."

The campaign proposes a checklist of Ten Essentials for Making Cities Resilient that can be implemented by mayors and local governments. This includes improving urban planning, infrastructure and building safety; reinforcing drainage systems to reduce

flood, storm and health threats; installing early warning systems; conducting public preparedness drills; and taking measures to adapt to the increasing impacts of climate change.

"A city and its citizens can benefit greatly from the opportunities presented by urban risk reduction actions," added Margareta Wahlström. "When successfully mobilized, resilient cities may benefit from growth and employment, business opportunities, balanced ecosystems, better health and improved education."

Since its global launch on 30 May 2010, 21 cities have already signed up to the campaign, including Bonn, Mexico City, Port-au-Prince, Tehran, Mashhad and Durban.

UNISDR is the overall coordinator of the 2010-2011 World Disaster Reduction Campaign. UN agencies, including UN-HABITAT, WHO and UNICEF are key partners, along with a number of city associations and organizations.

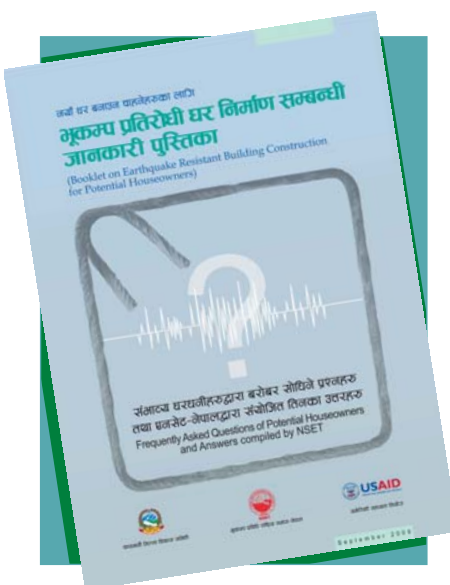
NSET NEW PUBLICATIONS

Booklet on Earthquake Resistant Building Construction for Potential House-owners

The booklet entitled "Frequently Asked Questions of Potential House Owner and Answers compiled by NSET-Nepal" is yet another effort of NSET towards developing earthquake safe communities through exchanging knowledge and ideas amongst key stakeholders. Bringing such a supporting document in a very handy & user-friendly print has been made. This compilation aims to respond much common but pertinent questions of potential house owner in regard to earthquake safe building construction. Based on past and ongoing interactions and consultations with and to the people from various sectors and clusters, we have found these questions perfectly set in terms of disseminating information effectively. However, questions could be many but this has been

made in view to establish an array of contents in sequence so that concerned potential house-owner could be privileged with. And, responding to the questions gathered, NSET has compiled the knowledge, idea and information in very simple, precise and accurate ways. Not only academically and technically proven, these responses are built on decade-long experiences of NSET as an institution while due in course of paving the journey of building safe communities in Nepal.

This publication is highly believed to satisfy the very needs and concerns of potential house owner in connection to construction of earthquake resistant building. possible with the financial support from Kathmandu District Development Committee.



NSET PARTICIPATION

NSET professional Mr. Bijay K. Upadhyay participated in the Regional Workshop organized by Ministry of Local Development (MOLD) as a resource person for sessions on Earthquake Risk Reduction and National Building Code during April-May 2010, held at Pokhara, Syanja.

NSET Professional Mr. Ganesh K. Jimee participated in the 9 days training on 'Disaster Response Recovery' training organized by Malaysian Technical Cooperation Programme (MTCP) in collaboration with Mercy Malaysia held in Kula Lumpur, Malaysia during June 1-9, 2010.

NSET professional Mr. Khadga Sen Oli participated the International Training Workshop on Natural Disaster Reduction (ITW) - 2010 during May 10-14, 2010 in Taipei organized by NCDR, Taiwan. The main theme of program was on 'The impact, prevention and mitigation of slopeland disaster' that provided platform for exchanging and sharing the technology as well as the experience on disaster reduction.

QUAKE MONITOR (International)

Year	Magnitude	Location	Remark
04/04/10	7.2	Baja California, Mexico	Two people killed and at least 233 injured in the Mexicali area
06/04/10	7.8	Northern Sumatra, Indonesia	No reports of damage or casualties
11/04/10	6.8	Solomon Islands	Felt (III) at Honiara, Guadalcanal. Also felt at Auki, Malaita
11/04/10	6.3	Spain	No reports of damage or casualties
13/04/10	6.9	Southern Qinghai, China	At least 2183 people killed, 84 missing, 12,135 injured and many buildings damaged in Yushu County
26/04/10	6.5	Southeast of Taiwan	No reports of damage or casualties
09/05/10	7.2	Northern Sumatra, Indonesia	Reports of slight damage and a power outage on Simeulue island. Felt (V) at Banda Aceh and Meulaboh; (IV) at Medan
16/05/10	5.8	Puerto Rico	Minor damage to homes at Lares and Vega Baja. A landslide was reported at Utuado. Felt (V) at Adjuntas, Aguada, Anasco, Barranquitas, Jayuya
27/05/10	7.1	Vanuatu	No reports of damage or casualties
12/06/10	7.5	Nicobar Islands, India Region	No reports of damage or casualties
15/06/10	5.7	Southern California	No reports of damage or casualties
16/06/10	7.0	Near the north coast of Papua, Indonesia	At least seventeen people killed, 10,000 displaced, 2,556 buildings damaged or destroyed (VI), landslides and utilities disrupted on Yapen. Several buildings damaged or destroyed (VI) on Biak
23/06/10	5.0	Ontario-Quebec border region, Canada	No reports of damage or casualties
26/06/10	6.7	Solomon Island	No reports of damage or casualties
30/06/10	6.2	Oaxaca, Mexico	One person killed at San Andres Huaxpaltepec

Source: USGS

FOR TIPS ON EARTHQUAKE RISK MITIGATION TUNE IN TO...

Radio Sagarmatha (FM 102.4) at 7.30 PM, Tuesday
Radio Annapurna (FM 91.8) at 7.30 AM, Wednesday

WATCH ...

Nepal Television every Saturday 8:25 am
"Bhukampa Bishesh" section on Janachaso Program

*Think about making your home
Earthquake-Resistant*

Attend our House Owners
Consultation Program
"Every Friday: 2-5pm"

**FRIDAY FREE
EARTHQUAKE CLINIC**

at NSET Office

PROFILE

Mr. Surya Prasad Acharya

Program Manager, SESP

**National Society for Earthquake
Technology – Nepal (NSET)**



Mr. Surya Prasad Acharya is Civil Engineer by profession and has been working as Program Manager since April 2009 for School Earthquake Safety Program (SESP) of the National Society for Earthquake Technology-Nepal (NSET). SESP aims at making communities safer against earthquake by disseminating earthquake awareness and knowledge of safe construction by working through public schools in improving the seismic performance of the school buildings either through seismic retrofitting or by constructing new earthquake-resistant buildings. SESP also includes conduction of a host of training programs targeted to mason, self-builders, building technician, petty contractors, professionals (engineers/architects) and also the political leaders/decision-makers. SESP also includes a host of community-based program for empowering local communities to enhance their capacities in earthquake/ disaster risk reduction and planning for emergency response. Hence, his responsibilities at NSET also include community mobilization, coordination with local authorities at district/village levels, developing partnerships with local clubs, volunteers, and senior citizens. He has good experience in construction management and resource mobilization as he was involved in civil engineering works in Nepal with private contracting and consulting firms for more than five years before joining NSET in April 2002.

Mr. Acharya holds a Bachelors Degree in Civil Engineering from the Institution of Engineers, India as well as Master of Science Degree in Disaster Mitigation from Sikkim Manipal University, India. He has attended several national / international training programs on Earthquake Risk Management. He has a rich work experience in Nepal, Japan, India, and Pakistan. Aftermath October 2005 earthquakes in Pakistan, he was involved in Capacity Building Project and Training Support for Earthquake Resistant Reconstruction Program in Pakistan along with NSET team where he organized and imparted training on earthquake-resistant construction and earthquake damage assessment to engineers, technicians, masons, home-owners, and local leaders, including members of the Engineering Unit of Pakistan Army.

Mr. Acharya is the member of several professional engineering associations.

FOR MORE INFORMATION ON

Earthquakes and NSET's efforts towards earthquake risk reduction log on to www.nset.org.np



National Society for Earthquake Technology- Nepal (NSET)

Sainbu V.D.C. Ward No. 4, Bhainsepati Residential Area, Lalitpur
P.O.Box: 13775, Kathmandu, Nepal
Tel: (977-1) 5591000, Fax: (977-1) 5592692
E-mail: nset@nset.org.np, Website: www.nset.org.np

www.nset.org.np