

ABOUT THE ORGANISERS

SAARC DISASTER MANAGEMENT CENTRE

SAARC Disaster management Centre was set up in 2006 at the premises of National Institute of Disaster Management in New Delhi. The centre has the mandate to serve eight Member countries of South Asian Association for Regional Cooperation (SAARC) - Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka - by providing policy advice and facilitating capacity building services including strategic learning, research, training, system development and exchange of information for effective disaster risk reduction and management in South Asia. It carries out studies research, organizes workshops and training programme, published reports, documents and provides various policy advisory services to the Member Countries.

DEPARTMENT OF GEOLOGY, TRIBHUVAN UNIVERSITY

Tri-Chandra College was established in 1918 AD and is the ever first higher educational academic institution established in Nepal. Later, Tribhuvan University, the first public university in Nepal, was born out of this college. Founded over 40 years ago, the Department of Geology, Tribhuvan University has been in the forefront of teaching and research in the field of earth science.

CLIMATE

Situated at an altitude of about 1,300 m the Kathmandu Valley has a mild climate most of the year. Summer temperature ranges between 19-30°C, and in winter the temperatures is between 1-20°C. The month of May is moderately hot with occasional short bursts of rain.

For detail contact:



P. G. DHAR CHAKRABARTI

Director,
SAARC Disaster Management Centre,
NIDM Building, IIPA Campus,
I.P Estate, ITO Ring Road, New Delhi 110002.
Phone: 0091-11-23705583
Fax: 0091-11- 23724051
Email: director.sdmc@gmail.com



Dr. TARA NIDHI BHATTARAI,

Head, Deptt. of Geology, Tri-Chandra Campus,
Tribhuvan Universtiy, Ghantagar,
Kathmandu, Nepal
Email: tnbhattarai@wlink.com.np
Phone: 00977-1-4268034, Cell No. 00977-9851107328

S



SAARC Training Program

On

LANDSLIDE RISK MANAGEMENT IN SOUTH ASIA

May 02-08, 2011

Venue

Department of Geology, Tri-Chandra Campus,
Tribhuvan University, Ghantagar,
Kathmandu, Nepal

For

Civil and Geotechnical Engineers/Geoscientists/Environmental Scientists,
Foresters/Urban Planners/Soil Scientists

Organized by

SAARC Disaster Management Centre, New Delhi

In collaboration with

Department of Geology, Tri-Chandra Campus,
Tribhuvan University, Ghantagar,
Kathmandu, Nepal

BACKGROUND

Landslides are among the most damaging natural hazards in the mountainous terrains of tropical, subtropical and temperate regions. Most of the SAARC countries lie in a mountainous terrain, which is characterized by rugged topography, steep relief, variable climatic conditions, complex geological structures affected by active tectonic processes and seismic activities. Owing to such challenging topographical, geological and climatic conditions, mountains are vulnerable to landslides, debris flows, soil erosion and other mass wasting hazards. Besides, bank scouring by deeply incised and high gradient rivers contribute significantly to promote the process of landslides along river valleys, where cultivated lands and settlements have been developed in general. It has substantial negative impact on environment and development including infrastructures, food production, biodiversity, income generation, poverty reduction and economic growth of the SAARC countries.

Every year a huge loss of lives and civil infrastructures including roads, bridges, irrigation canals etc are reported to be damaged and destroyed by landslides in the Himalayan and other mountainous region of SAARC countries, especially Afghanistan, Bangladesh, Bhutan, India, Nepal, Pakistan and Sri Lanka. Therefore, there is a need for concerted efforts in disseminating knowledge and techniques to the professionals and researchers of the SAARC member states that have so far been developed and practiced in the region. Nepal is one of the landslide prone disastrous countries in the region and over the years it has gained rich experience in the landslide risk management for mutual benefit for the people which can be transmitted to other SAARC member countries. Department of Geology, Tri-Chandra Multiple Campus, Tribhuvan University Nepal has achieved impressive success in understanding landslide mechanism, hazard mapping and risk analysis which may impart a comprehensive training on “Landslide Risk Management in South Asia”. The training program aims to impart expertise on landslide hazard mapping, mitigation measures, risk assessment and related topics which in turn may provide an opportunity to all stakeholders of SAARC member countries to meet challenges of landslide risk mitigation and landslide disaster management of the respective country. SAARC Disaster Management Centre is scheduled to organize a training program for a week on the said topic in collaboration with Tribhuvan University at Department of Geology, Kathmandu, Nepal to train Civil and Geotechnical Engineers/Geoscientists/Environmental Scientists/Foresters/Urban Planners and Soil Scientists of SAARC countries.

THE TRAINING COURSE

This course has been designed to provide a comprehensive overview on understanding landslides, its causes, prevention and mitigation measures as well as landslide risk management methods and practices. It is intended to give an exposure to participants in all aspects of landslides which will enable them to implement mitigation measures more effectively. During the course, sufficient lectures and reference materials will be provided from experienced experts and professionals. Hands on training along with field visits will also be organized for better exposure of participants on landslide identification, prevention, mitigation and risk management. The participants will be provided with in-depth ground situation to demonstrate the efficacy of various methods for landslide stabilization.

DURATION OF COURSE

Duration of the course will be for a week (7 days).

COURSE CONTENTS

Following are the major topics that are expected to be dealt with during the training programme:

- Overview of landslide disaster in SAARC region;
- Major causes and triggering agents of landslides
- Landslides Mechanics
- Rainfall threshold and landslides
- Landslide hazard mapping and susceptibility analysis
- Landslide prevention and stabilization methods
- Bioengineering as potential mitigation measures of landslides
- Site visit to observe landslide stabilization measures
- Landslide risk assessment methodology and management practices
- Spatial data processing for landslide risk assessment and management

WHO SHOULD ATTEND

The course is intended for civil and geotechnical engineers, geoscientists, environmental scientists, foresters, urban planners and soil-scientists who are involved in landslide risk management and landslide disaster mitigation activities in member countries. This course is also useful to the faculties and researchers working at universities and research institutes.

COURSE FEE

No fees shall be charged of the course. As per the SAARC Harmonized Provisions for the Regional Centres, the travel expenses of the participants shall be borne by their sponsoring organisations in the member countries, while local hospitalities like accommodation, food, local transport, study material etc, shall be borne by the SAARC Disaster Management Centre.

LOCATION AND TRAINING VENUE

The training will be conducted in Kathmandu, Nepal at the Department of Geology, Tri-Chandra Campus, Tribhuvan University. The department will provide the required facilities like class rooms, audiovisual facilities, laboratory and field equipment, internet, computers etc. Accommodation will be arranged in a hotel in Kathmandu city, which is an approximately 30 minute’s drive from the Tribhuvan International Airport (TIA).

CERTIFICATE

Participants successfully completing the course will be awarded with a certificate.

LANGUAGE

Teaching medium will be English and all course materials will be provided in English only.



**SAARC Training Programme on
LANDSLIDE RISK MANAGEMENT IN SOUTH ASIA
Tri-Chandra Campus, Tribhuvan University, Kathmandu, Nepal
(Date: 02-08 May 2011)**

Name: _____

Date of Birth: _____ Sex: _____

Address: _____

Phone No.: _____ Fax. No.: _____

Email: _____

Passport details No.: _____ Place of Issue: _____

Date of Issue: _____ Date of Expiry: _____

Education Qualification: _____

Current responsibility in the organization: _____

What way the proposed training will help your organization: _____

Organization Address: _____

_____ Phone no.: _____ Fax No. : _____

Sponsoring authority (name with signature): _____

For Contact Detail

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>P. G. DHAR CHAKRABARTI Director, SAARC Disaster Management Centre, NIDM Building, IIPA Campus, I.P Estate, ITO Ring Road, New Delhi 110002. Phone: 0091-11-23705583, Fax: 0091-11- 23724051 Email: director.sdmc@gmail.com</p> | <p>Dr. TARA NIDHI BHATTARAI, Head, Deptt. Of Geology, Tri-Chandra Campus, Tribhuvan Universtiy, Ghantagar, Kathmandu, Nepal Email: tnbhattarai@wlink.com.np Phone: 00977-1-4268034, Cell No. 00977- 9851107328</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|