

Agenda of Regional workshop on Disaster Preparedness Plans for Natural Hazards Kathmandu 7-9 August, 2006

SUNDAY 6 AUGUST

19.00 Registration and ice breaker reception at Hotel Himalaya

MONDAY 7 AUGUST: Focus on DP plans on National Level

08.00 Vehicle leaves for ICIMOD from Hotel Himalaya

08.30-09.00 Registration

Session 1: Opening session: (Chair: Xu Jianchu)

09.00-09.15	Welcome address	Dr. Madhav Karki, ICIMOD
09.15-09.25	Opening remarks	Mr. Thir Bahadur G.C., Under Secretary, Disaster Management Section, Min. of Home Affairs, Nepal
09.25-09.35	Opening remarks	Mr. Abdul Bari Khan, Additional Secretary, Min of Food and Disaster Management, Bangladesh
09.35-09.45	Opening remarks	Mr. N.S. Napalchyal, Principal Secretary, Government of Uttaranchal, India
09.45-09.55	Opening remarks	Mr. Ghulam Khan, Director, National Crisis Management Cell, Min. of Interior, Pakistan
09.55-10.10	Workshop objectives	Dr. Mats Eriksson, ICIMOD
10.10-10.40	<i>Coffee & Tea</i>	

Session 2: Natural Hazards in the Himalayan Region (Chair: Sazedul Chowdhury)

10.40-10.55	Premonitory Phenomenon of sediment-related disasters, Mr. Masahiko Murata, Asian Disaster Reduction Center (ADRC)	
10.55-11.15	Landslide and mitigation measures for risk reduction, Dr. Ramesh Tuladhar, Department for Water Induced Disaster Prevention (DWIDP), Nepal	
11.15-11.35	Earthquake preparedness in Nepal, Mr. Amod Dixit, Executive Director National Society for Earthquake Technology-Nepal (NSET)	
11.35-11.55	Experiences and lessons learnt from the Pakistan earthquake, Mr. Aziz Ahmed Jamali, Earthquake Reconstruction & Rehabilitation Authority, Pakistan	
11.55-12.15	Flood mitigation in Bangladesh, Mr. Md. Waji Ullah, Center for Environmental and Geographic Information Services (CEGIS), Bangladesh	
12.15-12.35	Floods and flash floods in a regional perspective, Mrs Mandira Shrestha, ICIMOD	
12.35-13.00	Discussion	
13.00-14.00	<i>Lunch</i>	

Session 3: National disaster preparedness plans (Chair: Wolfgang Grabs, WMO)

- 14.00-14.30 Key note presentation: The importance of plans for disaster preparedness, Mr Aloysius Rego, Asian Disaster Preparedness Centre (ADPC), Thailand
- 14.30-14.55 Status report on DP plans in Bangladesh, Mr M H Siddiqi, Kranti consultants, Bangladesh
- 14.55-15.20 Status report on DP plans in India, Mrs Chandrani Bandyopadhaya, National Institute of Disaster Management (NIDM), India
- 15.20-15.50 *Coffee and Tea*
- 15.50-16.15 Status report on DP plans in Nepal, Mr Bhubanesh Kumar Pradhan, Association for Research and Management Services, Nepal
- 16.15-16.40 Status report on DP plans in Pakistan, Dr Asif Khan, National Centre of Excellence in Geology, University of Peshawar, Pakistan
- 16.40-17.30 Discussion on DP plans in the four countries; achievements, needs, gaps, implementation, etc.
- 17.30 Closure of the day/ Vehicle leaves for Hotel
- 19.00 Workshop dinner hosted by ICIMOD

TUESDAY 8 AUGUST: Focus on DP plans on local and intermediate level

- 08.20 Vehicle leaves for ICIMOD from Hotel Himalaya

Session 4: Vulnerable groups and indigenous knowledge (Chair: C. Bandopadhyay)

- 09.00-09.20 Disasters and vulnerable groups, Dr Manjari Mehta, ICIMOD
- 09.20-09.40 Local knowledge for disaster preparedness, Ms Julie Dekens, ICIMOD
- 09.40-10.00 Discussion
- 10.00-10.30 *Coffee and Tea*

Session 5: Community based disaster preparedness plans (Chair: Rahul Sengupta)

- 10.30-10.50 DP plans on community level in Bangladesh, Dr. Ahsan Ahmad, BUP, Bangladesh
- 10.50-11.10 DP plans on community level in India, Mr Kamal Kishore, UNDP, India
- 11.10-11.30 DP plans on community level in Nepal, Red Cross Nepal
- 11.30-11.50 DP plans on community level in Pakistan, Speaker to be announced
- 11.50-12.30 Discussion on DP plans on community level; linkages to national level, shortcomings gaps, needs etc.
- 12.30-13.30 *Lunch*

Session 6: Knowledge sharing and training

- 13.30-13.50 The importance of knowledge sharing, Dr Zbigniew Mikolajuk, ICIMOD
- 13.50-14.10 Training for multi-hazard risk assessment, Mr Pradeep Mool, ICIMOD

Session 7: Group work

- 14.10-14.30 Gap analysis of disaster preparedness plans, Mr Gehendra Gurung, Practical Action
- 14.30-14.40 Introduction to group works for Gap Analysis, Dr Mats Eriksson, ICIMOD
- 14.40-16.20 Group work (including coffee/tea)
Based on the presentations of DP plans on national and community level, we will form country-wise groups to discuss and identify gaps and shortcomings in the existence and implementation of DP plans.
- 16.20-17.00 Presentation of group discussions
- 17.00-17.45 Plenary discussion on the outcome of group works, the need in the region and the way forward.

WEDNESDAY 9 AUGUST: Excursion day

- 08.20 Vehicle leaves for ICIMOD from Hotel Himalaya

Session 8: Closing session

- 09.00-10.00 Conclusions and closing remarks.

Summary of the working groups findings,
(Dr Mats Eriksson & Gehendra Gurung)
The way forward: Bangladesh, India, Pakistan, Nepal
Upcoming activities in the region
Closing remarks
- 10.00-10.30 *Coffee and Tea*
- 10.30-13.00 *Excursions:*
- A) City Excursion: Earthquake vulnerability and preparedness walk in Patan.
 - B) Visit to a Landslide risk mitigation site, Bungamati

Please, sign up on the excursion lists in order to participate!!

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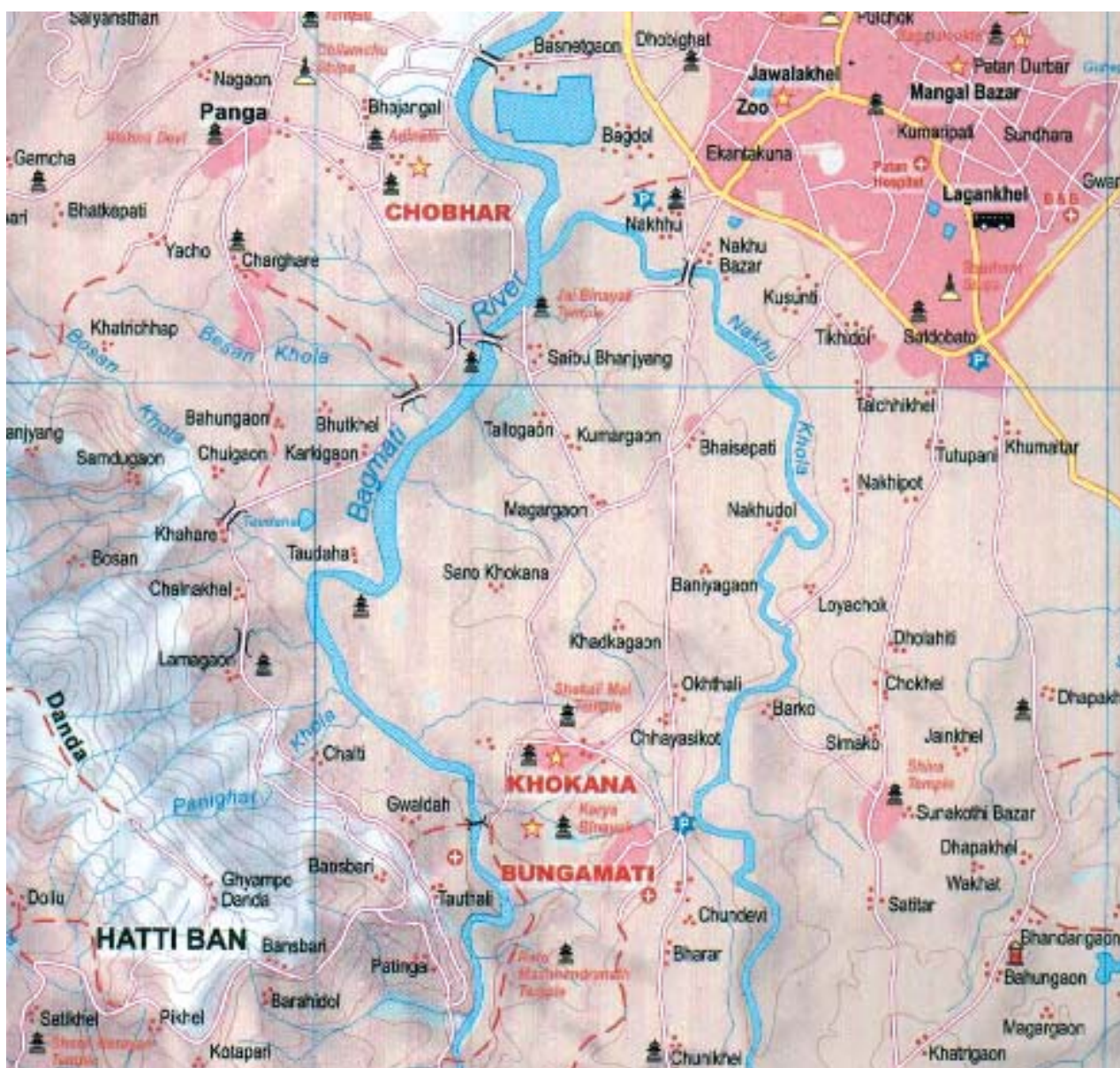
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Field Trip – Regional Workshop on Disaster Preparedness Plans for Natural Hazards

The Bungamati's Landslide Model Site

The Bungamati landslide is located in Bungamati VDC of Lalitpur, Kathmandu at about 3 km south-west of Ring Road at Ekantakuna on the left bank of Nakhu Khola. This area forms the eastern bank of Bagmati River along the Nakhu Khola in the southern part of the Kathmandu Valley covered by around 2.5 million years old Lukundol Formation of Fluvio-lacustrine deposits of the Kathmandu Basin. Due to its continuous movement, the Bungamati Landslide has been threatening the only road linking Bungamati with Lalitpur. Therefore, DWIDP carried out some countermeasures works to control the landslide. Initially, the focus was on river bank protection work, which prevented further sliding of the toe part. However, with the identification of the slip surface of the landslide its probable relationship with the groundwater and surface water the countermeasures have been focused towards controlling the ground water as well as the surface water by mitigation measures mentioned below.



Structural Mitigation Measures undertaken:

1. Drainage Works:
 - a) Surface Drainage Works:
 - i) A- Type with Ground Sill = 154m
 - ii) D – Type = 90m
 - b) Sub-surface Drainage Works:
 - i) at Upstream = 27m x 15m (405m²)
 - ii) Middle Portion = 3 No. x 15m (45m)
1 No. x 16m (16m)
2. Retaining Wall = 200m
3. Slope Stabilisation Works: Earth Trimming and Filling
as per need
4. Check Dam: 1 No. along with Gully
5. Topographical Survey of the Landslide Area to the
Scale 1:500 & C.I = 0.5
6. Installation of 60 Nos. Moving Peg

These structural Mitigation measures have been found effective and the Bungmati Landslide is considered to be Semi-stabilized now.

Recommendation for future works:

The Bungmati Landslide Mitigation works was started without any detailed investigation. The countermeasures were designed primarily based on field observation only. The rate of the landslide movement, therefore, is not known yet. Monitoring of the landslide movement through Moving Peg Survey has become essential –

- To determine the effectiveness of the countermeasures undertaken
- To further design countermeasures, if necessary

In view of these the following works are recommended:

1. Monitoring of installed Moving Pegs
2. Extension of the A-types Drainage & Sub-surface Drainage covering cultivated land
3. Pile works at the main sliding block

Route and Excursion Demo

Stop 1: General description of the Bungmati Landslide Model Site followed by observation of the Sub-surface Drainage network in the Upper Area.

Stop 2: Observation of small check dam cross the main gully

Stop 3: Observation of the main A and D – Type Surface Drain

Stop 4: Observation of Main Retaining Wall and assumed Slip Surface

Stop 5: Observation of newly constructed Surface Darin

Stop 6: Observation of Lukundol Formation of fluvio-lacustrine deposite of the Kathmandu Basin