

# The Asian Urban Disaster Mitigation Program (AUDMP)

## Monthly Activity Highlights

January, 1998

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- RADIUS Project Awards Case Status to Bandung
- State-of-the-art software delivered to India Project
- Funding for earthquake mitigation work in China?

### 1) National Demonstration Projects

Philippines: Flood mitigation in Naga; multiple hazards in San Carlos

Update on Naga -- PBSP management conducted a Strategic Planning Workshop with Naga City project task force. As a result, Naga has reformulated their six months preparatory plan for the Naga City Disaster Mitigation Project. The City Task Force is also conducting an inventory of disaster mitigation activities and projects being implemented in the city, with a corresponding analysis of the gaps. Ongoing inventories of disaster courses and human resources are also being done as groundwork for the capability building component of the program. A policy review is also being done to ensure that adequate local legislation and policies are in place for disaster mitigation. This inventory will also help identify policy recommendations.

The Naga City Task Force has expanded to include more local actors involved in mitigation and flooding; the group now includes representatives from the City Planning and Engineering offices, the Bicol River Rehabilitation Program, the Waste Management Program, and the Watershed Rehabilitation Program.

Update on San Carlos -- The San Carlos Task Force is conducting the inventory of current initiatives on disaster mitigation in the area to avoid duplication of efforts. They are working to reformulate the project to encompass multiple hazards. Both their revised six months preparatory plan and the inventory are due in February. Previously, the project focused on earthquake and volcanic eruptions, but the City has decided that a multi-hazard approach makes more sense.

Technical Support for Multiple Hazards -- PBSP has forged links with the Philippine Institute for Volcanology and Seismology (PhiVolcS) and PAGASA to get technical support for the city programs.

Upcoming events -- In February, both cities will analyze the outcomes of their inventories. Hazard and Risk Assessment Workshops will be held in each

location, in collaboration with PBSP and technical support institutions. Area visits will be used to feed into the capability building activities.

Indonesia: Earthquake mitigation in Bandung

RADIUS project award! -- The RADIUS project has announced that Bandung has been awarded auxiliary case study status, thanks to the hard preparatory work of the IUDMP team. Case study status brings with it US \$20,000 in additional funding for work on urban earthquake mitigation for the city and an opportunity to participate with other UN information sharing activities. This represents a major success in terms of attracting outside funding to bolster the work of the IUDMP and the AUDMP.

Pilot study area visited -- A site visit to the future pilot study area in the Kecamatan Andir and Kecamatan Bojongloa was conducted on 14 January. The area, selected for its location in a very seismically vulnerable zone, was found to be mainly dominated by very dense residential housing. Typical buildings are the non-engineered masonry houses with few seismic mitigation measures. A more intensive study of the area will be conducted, which will lead to a recommended mitigation strategy for the municipality.

India: Technological hazard mitigation in Calcutta and Baroda

Baroda Steering Committee -- A Project Steering Committee was formed and held its first meeting on 7 January. The progress of work was reviewed and a Technical Committee was convened, which will meet every two weeks. A few decisions outside of, but related to the project, were made: 1) It was decided to create a rolling fund for removal of accident vehicles containing hazardous materials from the highway; 2) a local chemical storage facility will be forced to upgrade its facilities. As a result of a deadly accident at a petrochemical refinery caused by improper decanting and cleaning procedures in January, the Chair person Mr. Rajiv Kumar Gupta, IAS, District Collector, Vadodara has informed the Gujarat Refinery authorities that they must create decanting facilities for tankers carrying hazardous and explosive materials.

New Consequence Analysis Software -- Two copies of the state-of-the-art consequence analysis software PHAST Micro, were purchased from the London-based suppliers and sent via express mail to the Baroda Citizens Council and the Times Research Foundation for use on the project. This sophisticated software will allow project partners to model chemical releases and spills based on the properties of actual substances stored and used within the city limits. The software interfaces with GIS systems and can be used for spatial analysis. The software has been installed and training, to be conducted by technical support consultant Mr. Dutt, will take place next month.

National Project Manager to be hired -- An advertisement for a National Project Manager has been published in national newspapers with good response. The

interviews will be held on 15 February and appointment will be made before end of the month. Ms. Ami Ravat, the interim manager, has been appointed the Assistant National Project Manager.

Upcoming events -- An initial project interface meeting is scheduled for the end of February in Calcutta. It will be held in conjunction with the analytical techniques workshop.

#### Sri Lanka: Multi-hazard mitigation in Ratnapura

Risk identification and Training -- On 13 January, a risk identification workshop was held in Nawalapitiya UC with the participation of representatives of Nawalapitiya, Government departments and corporations, CBOs, and NGOs. The resulting report on risk identification has now been completed. Three other workshops were held with the assistance of UNDP-TOKTEN expert, Dr. Buddima Indraratna, Associated Professor from Wollongong University, Australia for the professionals involved in the disaster management activities. They are: 1) probabilistic analysis in geotechnical engineering and analysis of landslide risk; 2) introduction to risk assessment and identification of elements at risk; and 3) soil erosion and mitigation measures.

Outreach and Networking -- As a result of work done by NBRO, UDA and CHPB on developing an insurance scheme for victims of natural disasters, the Insurance Corporation of Sri Lanka is considering formulating a new policy to cover the impact of natural disasters. The project has increased its publicity this month through presentations and publications in journals. In addition to a technical presentation on the Management and Prevention of Landslide Hazard at the Institution of Engineers in Sri Lanka, Project Manager Mr. Arambepola was also interviewed on the Sri Lanka project for the Sri Lanka Engineering News, January 1998 Issue. Links have been established with National Disaster Management Center (NDMC) to appoint Project Director as a Steering Committee Member.

#### Nepal: Earthquake mitigation in Kathmandu Valley

Assessment of Critical Facilities -- The process of interviewing the managers of critical facilities in Kathmandu Valley on disaster management capabilities, as well as details on the structures and services, was completed this month. Altogether 31 institutions were brought into the interview and interaction process. Preliminary processing of the interview findings has been completed for 25 institutions and the results are being further analyzed by GHI in Stanford. Information is still to be obtained from six institutions, notably the Bhaktapur Municipality, the new municipalities of Madhyapur and Kirtipur, and the police. Analysis of the findings and the finalization of the earthquake hazard maps will feed into the Scenario Workshop planned for February 21-22.

Educating the Health Sector -- KVERMP actively participated in the Earthquake Awareness and Education Program on January 27-30, 1998. The program was organized by USAID/Nepal in conjunction with UNDP, the United States Office

of Foreign Disaster Assistance (OFDA) and the Department of Health and Human Services, Center For Disease Control and Prevention (CDC). The NSET staff made a 2-hour presentation to the conference on the project, including the preliminary findings of the survey conducted in 11 hospitals in the Valley and projections for the overall infrastructure damage the Kathmandu Valley can expect if a damaging earthquake occurs.

Upcoming Events -- All the activities of the project in the past month have been geared towards analysis and preparation for the Scenario Workshop scheduled on 21-22 February 1998. Extensive work has been carried out at Stanford and in Kathmandu to finalize the schedule and script for the scenario workshop. Shirley Mattingly and a Facilitator are also going to contribute to the workshop.

#### Cambodia: Flood mitigation for vulnerable areas

Project Development Status -- The draft project proposal for the Cambodian Community-Based Flood Mitigation Project was circulated for comments among Working Group members, with a 16 January deadline. No comments were received. The project will be presented at the upcoming Working Group Meeting Next month by Dr. Uy Samath of the Cambodia Red Cross (CRC) and the project design consultant Steven Sharp of PACT. On institutional developments, IFRC/CRC received word that the ARC delegate who was recruited to manage the project within CRC has unfortunately become ill and has declined the appointment. ARC indicates that they will broaden the recruiting net, which may mean that hiring will be delayed until March or April.

#### Bangladesh: Multiple hazards in Dhaka

Senior Manager David Hollister, Tom Brennan (OFDA) and A.S. Dasgupta (RUDO/SA) will travel to Bangladesh the last week of April or early May to work with CARE on developing a project proposal.

#### Lao PDR: Urban Fire and emergency management in Vientiane

Although David Hollister received an enthusiastic reception during his meetings with officials for the Lao Ministry of Labor and Social Welfare (MLSW) in November, no concrete positive response has yet been received by ADPC on developing a project under the AUDMP. In order to proceed, the GOL must send an official letter to ADPC inviting them to design the project. ADPC received a fax last month from the Director of the Social Welfare Department indicating that the GOL had not yet made a decision to approve the project development, and could offer no definite schedule for doing so.

The Working Group Meeting next month will provide a forum to discuss whether or not to continue pursuing a project in Lao.

#### Other project possibilities:

Funding for earthquake mitigation work in China? -- AUDMP staff submitted a preliminary abstract for an urban earthquake mitigation project under a joint protocol between the US National Science Foundation (NSF) and the Government of the People Republic of China. To pursue this AUDMP synergy project, a full funding proposal would need to be developed in collaboration with a Chinese organization. ADPC's focal point in China on disaster management, the Ministry of Civil Affairs, has shown great enthusiasm and has offered to assist ADPC to link up with an appropriate research institute. Representatives from the Ministry have also mentioned a few likely cities in China to serve as demonstration project sites, ones which are both vulnerable to earthquakes and have already shown a high level of interest in mitigation. They recommend a project scoping trip to identify the best institution to work with, and offered to make all necessary official contacts. If the design were funded, the Chinese project would represent a major attraction of outside funding to the Program.

## **2) Information and Networking**

"Style Guide" -- The Urban Information Manager has developed and distributed a "Style Guide" for AUDMP national project partners. The style guide sets forth guidelines for the use of institutional names and logos on all public information materials disseminated by the AUDMP and its project partners. This guide was designed to be useful for the production of materials such as brochures, reports, meeting banners, and Web pages. The pack also included sample ADPC logos which people can enlarge or reduce for printing.

## **3) Training, Resource Materials, and Continuing Education**

3rd TRMCE Monthly Review -- The third monthly meeting to review the progress of TRMCE was held on the 21st and 29th Jan 98 attended by the senior staff of LPD & AUDMP. The main topics of the meeting included: a.) The format of a set of guidelines summarizing the preliminary proposal analysis procedures entitled "NPTI - Summary of Institutional Status and Review of proposal"; b.) Drafting of MOUs between ADPC and the National Partner Training Institutions (NPTIs); c.) Engagement of Curriculum Outline Development Consultants (CODCs); d.) Urban Disaster Mitigation (UDM) course manual finalization; e.) Revision in the approach to Training of Trainers (TOTs)

Selection of National Partner Training Institutions (NPTIs) -- Letters of acknowledgment for the receipt of proposals were sent to PBSP-Philippines, NASC & DPTC-Nepal and SLIDA-Sri Lanka. Follow-up letters requesting proposals were sent to UMTF-Indonesia and NDMC-Sri Lanka. Preliminary review of the proposals using the guidelines is being done for India, Nepal, Philippines, and Sri Lanka based on the submission of proposals and in-country visits. In order to draft an MOU for the cooperation between ADPC and NPTIs, earlier MOUs entered into by ADPC with other institutions, and MOUs entered into by PAHO, HSMI and CDC with other local institutions are being compiled for reference.

Curriculum development -- The draft of the UDM course information booklet produced by Jane Preuss is under review for comments and suggestions. A list of CODCs was prepared and a letter stating detailing the scope of work and outlining the expected output will be drafted and circulated.

#### **4) Program Management and Administration**

This month has focused on preparations for the upcoming Working Group Meeting. The third annual AUDMP Working Group Meeting will be held February 23 - 25 in Kathmandu. Approximately forty people will gather for the meeting, representing national project partner institutions, affiliated training institutions, ADPC, and USAID. The meeting will feature presentations on the national demonstration project, the regional AUDMP training and information components. Special sessions will be conducted for national partner institutions on understanding USAID's monitoring and evaluation system and for finalizing national project indicator systems and targets. Two field trips will expose meeting participants to issues of earthquake vulnerability in Kathmandu Valley, and better understand the approach of the Nepal project. This promises to be the most important Working Group Meeting yet, as it marks the half-way point in the project and the start of the AUDMP Midterm Evaluation.

Following the presentation portion of the meeting, the Core Working Group will hold a follow up meeting to decide on key programmatic issues raised during the course of the meeting. Key issues include project target countries (e.g. the inclusion of Lao PDR, Cambodia final proposal review, Bangladesh process design), strengths and weaknesses and management issues with on-going projects, project schedule (possible extension of 4 year time frame and budget implication if any), program pipeline analysis and future requests for additional fund obligations, ADPC autonomy, recent ADPC/AIT recipient contracted audits, and AUDMP staffing issues.

#### Distribution list

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