

Government of Nepal
Ministry of Physical Planning and Works
Department of Urban Development and Building Construction
**Earthquake Risk Reduction and Recovery Preparedness
Programme for Nepal**
(UNDP/ERRRP-Project:NEP/07/010)
Babarmahal, Kathmandu, NEPAL



Introduction:

The program is designed in the context of the International Recovery Platform (IRP) for the fulfillment of the Hyogo Framework for Action (HFA) 2005-2015: Building the resilience of nations and communities to disaster. Taking into account, the South Asian Association for Regional Cooperation (SAARC) has developed risk reduction strategies based on the recommendation of HFA. The UNDP/BCPR (Bureau of Crisis Prevention and Recovery) with the support of Government of Japan initiated an earthquake risk reduction and recovery preparedness (ERRRP) program in five high risk south Asian countries: Nepal, Bhutan, Bangladesh, India and Pakistan. The project in Nepal is a part of the five country regional programme in South Asia that seeks to support regional cooperation through knowledge sharing and development of best practices in the context of the SAARC Comprehensive Framework on disaster management agreed in February 2006. In the 13th. SAARC summit also it was recognized that cooperation among the region for effective disaster preparedness is essential.

Earthquakes remain a major concern in Nepal, especially in urban areas. In fact, according to BCPR's (Bureau of Crisis Prevention and Recovery) 2004 report, *Disaster Reduction: A challenge for development*, Nepal is the 11th rank in the world in vulnerability to earthquakes hazards and seismic faults passing through Nepal makes the entire country susceptible to this phenomenon.

The country programme is designed to strengthen the institutional and community level capacity to plan and implement earthquake risk reduction strategies and disaster recovery preparedness in Nepal.

Program Period :	2007 to 2010
Project Modality :	National Implementation (NIM) project of UNDP-Nepal
Programme Component :	MYFF (Multi Year Funding Framework) Service Line 4.5 - Natural Disaster Reduction
Source of Fund :	Government of Japan

Goal: To reduce the impact of potential earthquakes on seismically vulnerable communities in Nepal

Purpose: To strengthen national capacity (institutional and community level) for pre-disaster preparedness and mitigation and post-disaster recovery planning with a focus on targeted earthquake-prone urban areas of Nepal

Key Activities:

1. Earthquake risk, vulnerability and capacity assessment conducted in the project areas, especially from gender and poverty perspective, to support the government and communities
2. Capacities of government institutions and communities living in high risk areas enhanced to adapt and implement earthquake preparedness planning and safe construction practice using appropriate earthquake resistant construction guidelines
3. Capacities of the government strengthened in disaster recovery preparedness to support

- enhanced recovery operations in post-disaster situations
4. Capacities of the government developed to implement national disaster management framework by supporting locally appropriate solutions for earthquake risk reduction proposed by Nepal

Selected municipalities for the project implementation: The Project Appraisal Committee has approved the following municipalities to be covered under this project.

1. Central Region Hetauda municipality
2. Eastern Region Biratnagar sub-metropolis
3. Western Region Pokhara sub-metropolis (including the transferring of the technology to the technical staff of the adjoining Lekhanath municipality)
4. Mid-western Region Birendranagar municipality
5. Far-western Region Dhangadhi municipality

Municipality Selection Criteria

Following are the criteria for selection of municipalities:

- Municipality located in high vulnerability zone from a seismological perspective
- Municipality with higher total and density of population and faster urban growth
- Municipality possessing demonstrative effect for replicability of the project results
- the capacity of the selected municipality to institutionalize the knowledge gained from the project
- Preferably, one municipality from each of the development region to balance the geographical coverage

Implementing Organizations and its role

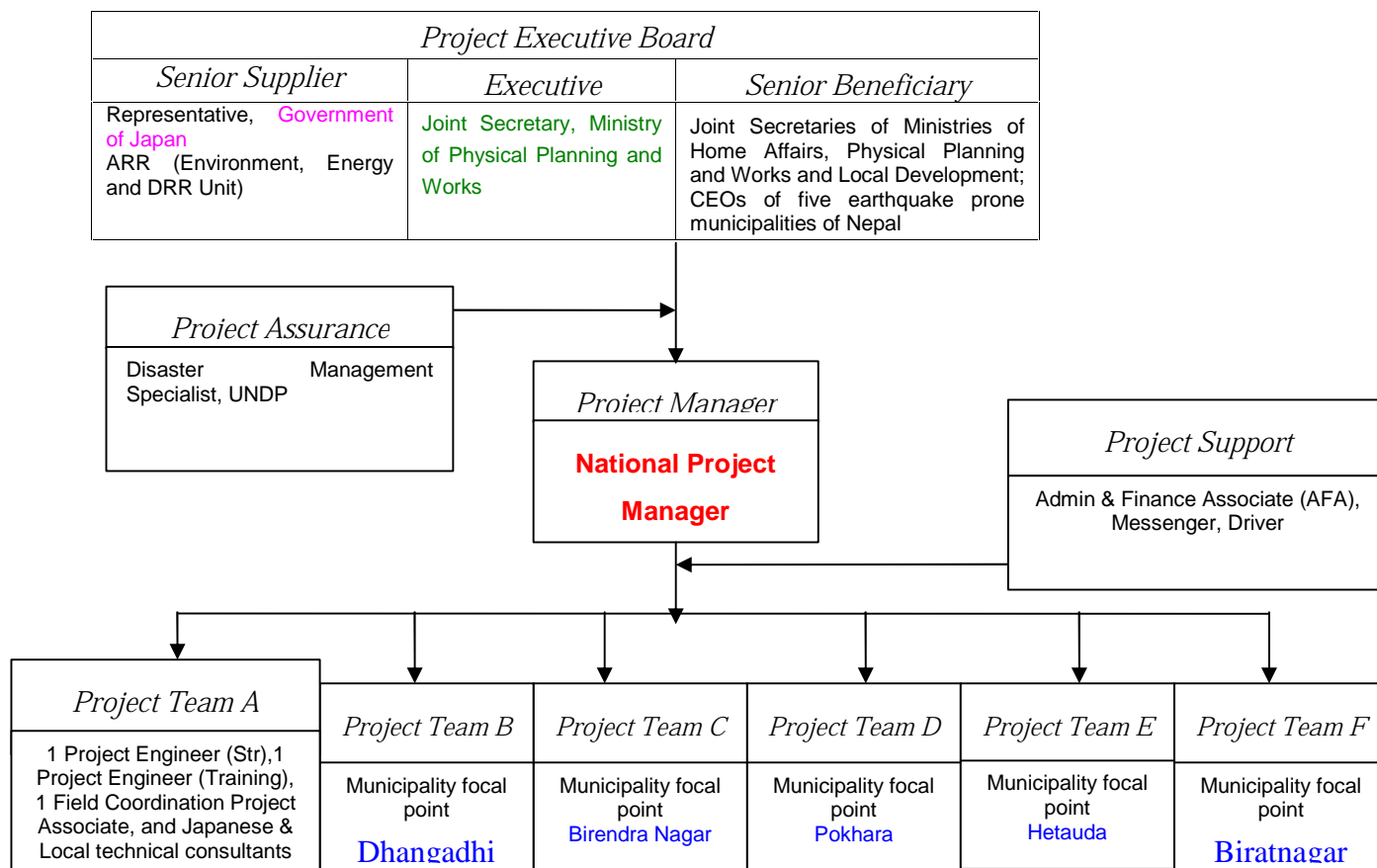
This being a National Implementation (NIM) project of UNDP, the implementation responsibility of the project will be with the Government of Nepal. From the perspective of project management the following government organizations will be involved :-

1. **Ministry of Physical Planning and Works Department of Urban Development and Building Construction (MOPPW / DUDBC) :** Responsible for the overall implementation of the project as the focal agency in GoN for Nepal National Building Code implementation
2. **Ministry of Home Affairs:** Responsible for inter-ministerial coordination as the nodal agency in GoN for disaster management
3. **Ministry of Local Development:** Responsible for inter-municipality coordination as the focal agency in GoN for all local level coordination
4. **Selected Municipalities:** Responsible for the municipality level activities of the project

- *This is the first project of UNDP that is entirely under taken by Government of Nepal*
- *The Project Executive (NPD) and National Project Manager (NPM) both are nominated from Govt. of Nepal*

Project office:

The project office is located in the Department of Urban Development and Building Construction (DUDBC), Babar Mahal, Kathmandu, Nepal



CPAP Output :

Capacities of key line ministries, local bodies, civil societies and urban/rural communities enhanced for planning and implementation of disaster risk management, emergency response and early recovery.

ANNUAL TARGETS 2008 :

Earthquake risk and vulnerability assessment of 5 selected municipalities completed

PLANNED ACTIVITIES

1. Earthquake risk, vulnerability and capacity assessment conducted in the project areas
2. Capacities of government institutions and communities enhanced to adapt and implement earthquake preparedness planning and safe construction practice
3. Capacity of the government strengthened in disaster recovery preparedness : Postponed for next year
4. Capacities of the government developed to implement locally appropriate solutions for earthquake risk reduction

1. Earthquake risk, vulnerability and capacity assessment conducted in the project areas

- **Nomination of Focal Persons & Establishment of Focal Desk in Selected 5**

Municipalities.

- **Municipality level meeting organized at 5 program municipalities at the very beginning of the project (April-May 2008) and Reports were prepared**
- **IEC material Developed – Brochures, Cap, Posters, web site etc.**
- **Outcome Board Meeting Organized Chaired by Secretary, Ministry of Home Affair (MoHA) on 3rd. July 2008**
- **Development of municipal profile of selected municipalities in terms of earthquake risk and vulnerability-Consulting firm hired is completed and Work is being carried out.**
- **Review report on existing policies on earthquake preparedness and response prepared- Consulting firm hired is completed and Work is being carried out.**
- **Report on impact of settlement pattern, land use practice and options in high risk areas of the selected municipalities-Consulting firm hired is completed and Work is being carried out.**

2. Capacities of government institutions and communities enhanced to adapt and implement earthquake preparedness planning and safe construction practice

- **Training on earthquake resistant construction for institutional professionals, project municipal engineers, masons, supervisors etc. i.e Supervisor Training –Biratnagar (33 supervisor were trained); Training on Structural Analysis and Earthquake Resistance Design of Buildings using SAP 2000 – Pokhara, ; Mason Training – Hetauda and Dhangadh ; NBC Training -Surkhet (As per training need assessment)**
- **Sensitized program organized in five program municipalities 54+120+72+86+105=351 Nos. local stakeholders were sensitized on Earthquake Risk Reduction in program municipalities**
- **Seismic vulnerability evaluation guidelines for private and public buildings Consulting firm hired is completed and Work is being carried out.**
- **Existing building code reviewed and recommendation report made for update of NBC prepared- Consulting firm hired is completed and Work is being carried out.**

3. Capacity of the government strengthened in disaster recovery preparedness- Purposed for 2009

- **Support for regional workshop in Nepal (August 10-12, 2008) : Regional Programme Coordination Workshop on Earthquake Risk Reduction and Recovery was organized in Kathmandu Nepal : Participated by delegates from Bhutan, Bangladesh, India, Pakistan, Nepal and Japan**

4. Capacities of the government developed to implement locally appropriate solutions for earthquake risk reduction

- **Selection, design and cost estimation of 1 public buildings in each of the municipalities completed for demonstrative seismic safe construction / Retrofitting**
- **Buildings had been identified as per recommendation from Project Municipalities**
- **Consulting firm hiring is completed and Work is being carried out**

Annual Work Plan 2009

1. *Earthquake risk, vulnerability and capacity assessment conducted in the project areas, especially from gender and poverty perspective : to support the government and communities*
2. *Assessment of Building permit process conducted in five municipalities : to support the implementation of building code*
3. *Capacities of government institutions and communities living in high risk areas enhanced : to adapt and implement earthquake preparedness planning and safe construction practice using appropriate earthquake resistant construction guidelines*
4. *Capacity of the government strengthened in disaster recovery preparedness : to support enhanced recovery operations in post disaster situations*
5. *Communities are made aware of seismic safe construction through demonstration with demonstrative construction of new and strengthening of existing building stock*

1. *Earthquake risk, vulnerability and capacity assessment conducted in the project areas, especially from gender and poverty perspective, to support the government and communities*

- **Assessment of program municipalities in terms of Earthquake Risk and vulnerability and Prepare Municipal Profile and report on “Impact of Settlement pattern, land use practice and option in high risk areas of five program municipalities**
- **Preparation of Seismic Vulnerability Evaluation Guideline for Private and Public Building (For pre disaster vulnerability and post disaster damage assessment)**

2. *Assessment of Building permit process conducted in five municipalities to support the implementation of building code*

- **Update and review existing government and municipal policies on earthquake risk reduction , preparedness and response and prepare report**
- **Suggestion/recommendation for upgrading of existing building bye laws at municipalities based on Review Report**
- **Preparation of Recommendation report for update of Nepal National Building Code**

3. *Capacities of government institutions and communities living in high risk areas enhanced to adapt and implement earthquake preparedness planning and safe construction practice using appropriate earthquake resistant construction guidelines*

- **Preparation of IEC Material- Broachers, Pamphlets, T-shirts, Video Documentary etc**
- **Training on earthquake resistant construction for institutional professionals from the project municipalities ,DUDBC and local consultants/designers will be conducted**
- **Training program on Building Vulnerability Assessment and Retrofitting in 5 program municipalities will be organized**
- **Trainings program on Damage Assessment, Vulnerability Assessment , Retrofitting Design and Construction Techniques will be organized**
- **Training/Orientation on land use planning from the perspective of earthquake risk reduction and recovery preparedness for the municipal officials and political representatives at the municipality level will be organized.**

4. Capacity of the government strengthened in disaster recovery preparedness to support enhanced recovery operations in post disaster situations

- **Meeting / Workshop with the different stakeholders working on disaster recovery preparedness sector will be organized**
- **Development of recovery principles and guidelines.**

5. Communities are made aware of seismic safe construction through demonstration with demonstrative construction of new and strengthening of existing building stock

- **Selection, design and cost estimation of 1 public buildings in each of the municipalities**
- **Retrofitting / construction of one demonstrative public building in 5 project municipalities will be completed by Nov 2009**

Project Assurance: Project assurance would be undertaken as per the monitoring systems established by the new Results Management Guide and Monitoring and Evaluation unit of the country office using appropriate tools developed for the same. The reporting mechanism will include Quarterly Progress Reports (QPR) and Annual Progress Report. These reports will be the part of the annual review process.

Monitoring and Evaluation

The monitoring will involve field travel to the project municipalities for reviewing compliance with the annual work plan aimed at achieving the results as established in the project document.

Output indicators:

Earthquake risk and vulnerability of project areas and capacity of central and respective local institutional mechanism in reducing the same assessed; Capacities of focal line ministries and selected municipalities enhanced in earthquake risk reduction; Recovery preparedness framework prepared; Lifeline buildings retrofitted and / or demonstrative housing will be constructed.

For More Detail Please also see the site : www.errrp.org.np

Contact :

Mr. Amrit Man Tuladhar, Senior Divisional Engineer / Section Chief

National Program Manager (UNDP/ERRRP Project)

Ministry of Physical Planning and Works

Department of Urban Development and Building Construction

Babarmahal, Kathmandu, NEPAL

email: amritmtuladhar@yahoo.com

Tel : (00-977-1- 4262474

Fax: (00-977-1- 4262431

web : <http://www.errrp.org.np>

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