

Integrating Disaster Risk Reduction and Climate Change Adaptation in Local Development Planning and Decision-making Processes

TERMS OF REFERENCE

Hazard Specialist (Rainfall Induced Landslide)

1. Background

The project aims to mainstream the integrated concerns of disaster risk reduction and climate change adaptation into local decision making and planning processes by: (a) enhancing local awareness and understanding of climate change and its aggravating effect on existing natural hazards, (b) developing tools to enable the formulation of physical framework/land use and development plans that address existing hazards whilst considering climate change risk;(c) demonstrating practical integrated DRR/CCA approaches at the community level; and d.) improving the national enabling environment through national and local DRR enhanced CC plans and multi-stakeholder coordinating mechanisms.

There are five planned outputs:

Output 1: Local government and other stakeholders' awareness, understanding of and competencies on integrated disaster risk reduction and climate change adaptation are enhanced.

Output 2: DRR/CCA concerns are incorporated in the land use and development plans and target regions/provinces/municipalities/cities.

Output 3: Practical strategies for DRR/CCA are demonstrated at the local level.

Output 4: Policy/programme instruments for enhanced multi-stakeholder cooperation to address climate change developed

Output 5: Mechanisms for multi-stakeholder cooperation on integrated disaster risk reduction and climate change adaptation at national and local levels strengthened.

The project will be implemented over a period of three (3) years at an estimated cost of Aus\$ 2.5 M. The project will be financed by the Australian Agency for International Development (AUSAID), administered by the United Nations Development Programme (UNDP) and executed by the National Economic and Development Authority (NEDA), in cooperation with the Department of Environment and Natural Resources (DENR) - Environmental Management Bureau (EMB), the Housing and Land Use Regulatory Board (HLURB), and the Office of the Presidential Adviser on Climate Change (OPACC).

2. Duty Station

Metro Manila. The position is Manila-based for accessibility and availability to allow for discussions/reporting on progress of activities as may be required by NEDA or UNDP. Domestic travel is contingent on project requirements.

3. Responsibility

The *Hazard Specialist* (for Rainfall Induced Landslide) is primarily responsible for developing the methodology of incorporating potential effects of climate change into the current disaster risk assessment (DRA). Said methodology will form part of the *Supplemental Guidelines on Mainstreaming DRR/CCA into Land Use/Physical Framework Plans*. The *hazard specialist* shall provide technical assistance and support during the pilot-testing of the methodology.

The specific tasks of the Hazard Specialist are as follows:

- Review and assess existing disaster risk assessment (DRA) methodology (specifically: Chapter 4 as well as Annexes 1, 2, 3 and 5 of the Mainstreaming DRR Guidelines); and recommend improvements or refinements thereof;
- Formulate a methodology to incorporate the potential effects of climate change (using inputs from PAGASA) on rainfall induced landslide;
- Conduct modelling and simulation to validate proposed DRA method;
- Regularly confer with Chief Technical Advisor (CTA) on issues and problems, and propose technical directions on issues and/or activities related to this TOR;
- Provide technical assistance and guidance to pilot areas in the use of the proposed methodology;
- Undertake field visits and consultations with NEDA and other concerned institutions as may be necessary;
- Provide inputs and assist CTA in the preparation and review of project activities or outputs related to this TOR;
- Coordinate with other members of the Team to ensure timely and efficient delivery of outputs; and
- Perform other duties/functions as may be deemed necessary for project implementation and coordination in relation to this TOR.

4. Expected Outputs

- Technical Paper on a proposed method and approach that incorporate potential effects of climate change on rainfall induced landslide in the current DRA, based on results of review of current disaster risk assessment methodology;
- Revised disaster risk assessment methodology that incorporates potential effects of climate change on rainfall induced landslide in the current DRA; and

- Final Report that includes technical and policy recommendations towards a more comprehensive/accurate DRA model for rainfall induced landslide (e.g., data requirements, mapping specifications).

5. Reporting

This position reports to the Project Manager through the Chief Technical Advisor.

6. Qualifications

- Advanced degree (M.S. or Ph.D.) in geology or related field
- At least 10 years of proven track record in the geology, hazard assessment, and related field.
- Experience on natural hazard risk assessment
- Strong communication skills, including demonstrated written and presentation skills and the capacity to relate to both internal and external constituencies of the project
- Demonstrated ability to work well in multidisciplinary teams and manage complex tasks

7. Duration of Engagement

A short-term engagement with lump-sum compensation. Contract duration shall not exceed three (3) calendar months.

*Please send application letter together with comprehensive curriculum vitae including three (3) work-related references with contact numbers, on or before **March 25, 2010** to:*

Director Susan Rachel G. Jose
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