

TERMS OF REFERENCE FOR ENVIRONMENTAL SAFEGUARD SPECIALIST

Contract: PPCR/DHM/S/IND-5			
Project	PPCR- BRCH (Building Resilience to Climate Related Hazards)		
Expertise:	Individual Expert for Environmental Safeguard Specialist		
Source	National	Category	Independent
1. Background:			
<p>Government of Nepal (GoN) has prepared Strategic Program for Climate Resilience (SPCR), which was approved by Climate Investment Fund (CIF). SPCR has identified five projects for investment in Nepal. one of them the "Pilot Project for Climate Resilience (PPCR) - Building Resilience to Climate Related Hazards (BRCRH). Components A, B and C under BRCRH are being implemented by the Department of Hydrology and Meteorology (DHM), Ministry of Science, Technology and Environment (MoSTE). Component D of the BRCRH is being implemented by the Ministry of Agriculture Development (MoAD). A dedicated Project Management Unit (PMU) has been set up at DHM for the implementation of project components A, B, and C.</p> <p>The project aims at upgrading hydro-meteorological network, weather forecasting system and flood forecasting system. The process involves acquiring private and/or public land, construction of buildings and establishment and operation of telecommunication systems including radar. Assessment of social and environmental impacts considering the losses of agriculture products, deforestation, loss of natural habitats, impacts on indigenous population, electromagnetic radiation of telecom equipment, security of installations are some of the important social and environmental aspects of the project.</p> <p>PPCR-BRCH at DHM requires consulting services from an individual consultant with expertise in relevant environmental field, who will work as a member of PMU to accomplish the objectives of the project.</p>			
2. Objective/Purpose of the Assignment:			
<p>The consultant will work for PMU, which has been established to support the implementation of PPCR-BRCH. Under the supervision of the Project Technical Coordinator, s/he will report to the Project Director or NPM on the following responsibilities.</p> <ol style="list-style-type: none">1. Provide overall environmental management oversight during the implementation of PPCR-BRCRH, supporting and advising the client in addressing a variety of environmental issues at all the stages of the implementation of the PPCR-BRCH Project and in environment related training/awareness raising and coordination activities..2. Implement environmental related activities as outlined in the Environmental and Social Management Framework (ESMF) of the project.3. Prepare necessary documents, such as environmental guidelines and tools in consultation with stakeholders and help the client in commissioning and managing additional and/ or special studies/ assessment, if necessary.			

3. Scope of Work:

The incumbent will work closely with other members of Project Management Unit (PMU), integrator/general consultant and DHM staff for attainment of the project's goal. The scope covers the whole project's environmental oversight responsibilities including those implemented by DHM and by Ministry of Agriculture Development through Agriculture Management Information System (AMIS). The consultant's main duties and responsibilities are as follow.

4. Duties and Responsibilities of Consultant:

Under the direct supervision of Project Technical Coordinator, the incumbent will be responsible for, but not limited to, the following duties.

- a. Ensuring that each subproject and activities under the project is subjected to the Project ESMF process and procedures.
- b. Prepare guidelines, tools and notes for use in the project based on relevant environmental policies, acts and regulations/ directives of the Government of Nepal (GoN) and relevant safeguard policies of World Bank Group and the ESMF;
- c. Carry out environmental screening of subprojects and activities, and help to prepare subproject or activity specific Environmental Management Plans (EMPs).
- d. Organize environmental orientation & awareness, and training
- e. Help commissioning and managing Initial Environmental Examination (IEE), if necessary and other special studies/ assessment such as hazardous & e-waste management. Prepare environmental information materials and help the client in disseminating the information to the relevant stakeholders.;
- f. Review subproject and activity plan, design, cost, and bid documents to ensure environmental factors and mitigations are incorporated, and subproject/ activity documents and environmental documents are in harmony. Larger or sensitive investments such as DHM building and Radar stations shall be reviewed from early on (starting from concept stage) ;
- g. Carry out site supervisions during implementation of subprojects and activities, and provide feedback to the PMU.;
- h. Support the client in recruiting and managing independent consultant for mid-term and end-term evaluation of ESMF Compliance.
- i. Identify requirements of permission for setting up observation and measurement system in areas secured for conservation and protection;
- j. Coordinate with relevant agencies for obtaining permission;
- k. Communicate with vendors, contractors, and subcontractors for necessary environmental compliance;
- l. Evaluate environmental risks associated with floods, landslides, erosion, bank cutting and shifting channel as a result of project activities;
- m. Monitor potential collaboration with specific key stakeholders, such as Ministry of Science, Technology and Environment, Department of Wildlife and National Parks, Department of Forest, Department of

Water Induced Disaster Prevention (WIDP), Nepal Red Cross Society (NRCS), Civil Aviation Authority, Telecommunication Authority, cultural agencies etc on important environmental issues;

- n. Organize local-level interaction programs on environmental screening and environmental awareness as well as Organize national level consultations with major stakeholders and academia, if necessary;
- o. Coordinate with hazardous waste and e-waste assessment works in evaluation of alternative technologies to replace hazardous wastes and to minimize pollution as well as in evaluating recycling options and developing waste disposal schedule or auction process;
- p. Evaluate the impact of new structures such as gauge house, cable way weir etc on aquatic environment and other environmental issues ;
- q. Identify necessary environmental requirement to clear site for DHM building, Radar site, meteorological station and hydrological station;
- r. Assess appropriate technologies suitable for construction activities at field sites and at the headquarters considering low carbon foot print.
- s. Advise the building designers of DHM New building in the use of natural lighting, optimal use of solar energy, low GHG emission, rainwater harvesting, planting local species and waste management.
- t. Assess the impacts of electromagnetic radiation on health and other telecommunication installation in the project area and provide necessary advice;
- u. Assess baseline condition of project sites in Kathmandu and field locations;
- v. Produce report in a manner understood by non-technical people for effective dissemination purpose. Produce relevant summary documents in Nepali language for dissemination in local levels; and
- w. Undertake other duties as per the requirements of the project or as directed by Project Director and Project Technical coordinator.

5. Competencies

- i. Must be able to work with multiple people of different background and be a good team member;
- ii. Strong interpersonal and communication skills, commitment to team work and to work across disciplines;
- iii. Consistently approaches work with energy and a positive, constructive attitude;
- iv. Demonstrates good oral and written communication skills in substantive and technical areas;
- v. Demonstrates openness to change and ability to manage complexities;
- vi. Excellent writing, editing and analytical skills and capability of working independently; and
- vii. An ability to work effectively, take initiative and deliver results, even under pressure, and willing to visit sites in remote areas.

6. Required Qualification and Experience:

- a. The consultant must have a minimum of Post-Graduate or Masters Degree in environmental sciences, environmental engineering, environmental studies or equivalent;
- b. At least seven years of relevant experience;

- c. Proficiency in the usage of computers and office software packages (word processing, spreadsheet etc) and experience in handling of web-based data and information management systems;
- d. Work experience in GON, NGO's, INGO'S, donor funded projects and other relevant institutions will be an added advantage; work experience as environmental specialist in/ with World Bank or Asian Development Bank funded activities will be an asset, and
- e. Fluency in both oral and written Nepalese and English language.

7. Duration of Service:

The consultant will be assigned initially for 12 months and possibilities of further extension, in case of satisfactory performance. The consultant is expected to work full time office hours within Kathmandu valley with frequent travels outside Kathmandu valley within Nepal on project related matters.

8. Duty Station: Kathmandu, Nepal with field visit as per requirement.

9. Reporting Requirements:

The consultant will report time to time to the Project Director/Project Technical Coordinator/ and other concerned regarding the accomplishment of his/her assignment.

10. Selection Criteria:

The consultant shall be selected based on the individual consultant selection method of the World Bank's consultant selection guidelines. Main criteria for the selection will be relevant work experience and qualifications.

11. Payments:

- a. The consultant shall be paid a remuneration monthly based on the inputs of the consultant in the month, which should include all his overheads, social charges and other associated costs including local transportation within Kathmandu valley and insurance premium costs.
- b. The consultant shall be responsible for all taxes and duties including income tax applicable as per Government of Nepal rules and regulations.
- c. In case of travel requirement outside Kathmandu valley and within Nepal for project related assignments, consultant shall be paid travel expenses and hotel expenses on actual basis and suitably determined subsistence allowance to cover all other costs.

12. Facilities to be Provided by DHM:

DHM shall provide following facilities to consultant during his tenure of service:

- Office space with computer and furniture
- Email and internet access
- Required office stationary
- Photocopying facilities

Places of Assignment:	Days Estimated Dates	initially for 12 months
Kathmandu		
TOTAL DAYS (state if Intermittent) Not applicable		

