

Host and Rohingya Enhancement of Lives Project (HELP)
Department of Public Health Engineering (DPHE)

Terms of Reference (TOR)

Position: Environmental Consultant

Package no. SD-5

A. Background

The Government of the People's Republic of Bangladesh (GoB) has received a grant and loan from the International Development Association (IDA) towards the cost Host and Rohingya Enhancement of Lives through a Multi-Sectoral Approach (HELP). The project will be implemented by Department of Public Health Engineering (DPHE) under Ministry of Local Government, Rural Development and Cooperatives (MLGRD&C). The PMU is mandated to manage the project in keeping with the Borrower's obligation to use the project fund with due regard to economy and efficiency and only for the purpose for which project financing was provided. DPHE intends to apply a part of the proceeds of this grant for hiring an Environment Consultant following the World Bank Procurement Regulations.

B. Objective

The main objective of Consultant is to: 1) oversee and coordinate on environmental due diligences, 2) ensure the quality of screening and approve it, 3) confirm proper implementation of EMP, 4) consolidate information and report to WB through PD, 5) manage contractual obligation on environmental requirements, 6) provide training to the contractor and field level staff, 7) provide technical advice to PD on ensuring environmental standards, 8) ensure that environment related activities and obligations under the Project are implemented smoothly and orderly.

C. Key tasks/responsibility

The specific tasks/responsibility for the Consultant:

1) Overall coordination and supervision on environmental management

PD is overall responsible to oversee overall project including Environmental management. Environmental Specialist will be responsible to assist the PD for completing all activities/tasks, its quality control and overall coordination associated with environmental standards. Ensure the effective implementation of all activities defined in the Project Environmental and Social Commitment plan (ESCP)

2) Review and endorsement of environmental screening of each physical intervention

The specialist will review the draft environmental screening report prepared by the Environmental team and will do the field verification accordingly. If required, s/he will prepare the environment screening report. S/He shall confirm the consideration of the followings into the screening form and the draft report:

- i. Basic geographic, physical, topographic, geologic, hydrological, morphological etc. features of the sub-project areas
- ii. Important and sensitive environmental features and sensitive receptors, including but not limited to any natural habitats / critical habitats, areas of conservation importance, known presence of protected or threatened species such as elephant,
- iii. Existing land and water use, nearby settlement patterns and topography, land slide risks, etc.
- iv. Known physical cultural resources or features
- v. Likely pollution issues in the sub-project areas



3) Endorsement of impacts and required mitigation and management measures identification.

- i. The Specialist shall coordinate with the team to complete the environmental screening.
- ii. S/He will monitor the team to undertake a preliminary impact analysis, based on primary and secondary information, environmental screening, and outputs from the stakeholder consultation process.
- iii. A close collaboration between the environment consultant and the design team is very much desired to integrate the Environmental Management Plan (EMP) measures into project design, execution, and ongoing operations, with a focus on ensuring the sustainability of infrastructure.
- iv. The Specialist shall provide support the team from field knowledge/experience/reality to analyze the nature, scale and magnitude of the impacts and risks that the sub-project is likely to cause on the environment, workforce, and surrounding communities, and classify the sub-project based on the risks/impacts. The preliminary assessment should discuss direct as well as indirect, induced and cumulative environmental, social, health and safety impacts and risks during all phases and activities of project activities.
- v. Given that all impacts cannot be fully identified due to the preliminary status of site planning, the Specialist shall identify potential or likely impacts which may result from various design options and/or alternative locations. For the potential adverse impacts and risks identified, alternative design option and/or site location shall be considered, and potential strategies/techniques for minimizing, mitigation and/or managing the impacts should be suggested. For the potential positive measures identified, alternative and preferred enhancement measures shall be proposed.
- vi. For site-specific impacts, the consultant shall indicate likely detailed site-specific management plans to be needed (for example, Environmental Management Plan, Community Health and Safety Plans, Cultural Resources Management Plans, site-specific Occupational Health and Safety Plans, etc.) for all phases of concession activities (construction, operation/maintenance, etc.).

4) Support and supervision of EMP implementation

- i. EMP implementation is responsibility of Contractor and team as well as Environmental Specialist has primary responsibility of ensuring EMP implementation at the field. The Environmental Specialist will guide and consult with the concerned officials of the Firms regularly and as necessary regarding the issues on EMP implementation identified by Environmental Specialist.
- ii. Support, oversees and guide (if necessary) the Consulting Firms on concerned issues on environment.
- iii. Support the M&E Consultant and other concerned Consultants in respective environmental issues.
- iv. Environmental Specialist shall review the detail project designs/site plan, and conduct site investigation to check if the necessary environmental mitigation measures are planned and to advice any additional mitigation measures required. The Environment Specialist will conduct field visit at least once in a month.
- v. Environmental Specialist will regularly visit the sub-project sites to monitor the implementation of ECoPs/EMPs and provide input to prepare sub-project specific monitoring report.

5) Monitoring and reporting

- i. Environmental Specialist will review the draft environmental monitoring report for each investment. When necessary or required, the monitoring reports shall be field verified by the environmental specialist.



- ii. Environmental Specialist shall consolidate the relevant information on environmental management including environmental monitoring report, site-specific environmental management plans, screening report for high-risk operation, GRM records and accident report and report to the World Bank through PD in a timely manner. The Specialist will be responsible to ensure preparation and delivery of quarterly/half yearly environmental monitoring report to the WB after approval by the PD.

6) Management of contractual obligation on environmental management

- i. Environmental Specialist shall ensure that the relevant ESS obligation of the project will be duly reflected into the legal agreement with contractor. Such obligation would include implementation of ESMP and sub-sequent site-specific ES instruments. Environmental Specialist will approve the contractor's ESMPs.
- ii. Environmental specialist with assistance from the team and in coordination with PD, shall lead to address environmental related non-compliance issues of contractors according to the project specific non-compliance rectification procedures.

7) Training Provision and Support

Environmental Specialist shall lead the trainings related to environmental management to raise the capacity of contractor, field level staff and other relevant stakeholders to implement and monitor the EMPs implementation. Key topics to be focused on include forest conservation, human-elephant conflict, occupational and community health and safety and pollution management. The training plan both at the HQ and field level will be approved by the Environment Specialist.

8) Public Consultation/GRM

- i. Environmental Specialist shall coordinate consultation necessary during preparation and implementation of the project. Such consultation includes consultation during preparation on ES instruments and construction and operation of each investment.
- ii. S/He will ensure the quality of public consultation at the field level and will reflect the concern in the project implementation.
- iii. The Specialist is also responsible to review and take necessary actions on the complaints received through the project GRM in coordination with PD.

9) Overall support on hydrogeological activities

- i. Examine the records of existing operational production tube wells (PTW) and test tube wells (TTW), especially borelogs, aquifer properties, water qualities to get an insight into the aquifer conditions and related data/info along with Technical Support Unit (TSU) Consultants.
- ii. Prepare guidelines for installation of TTWs and PTWs in different field condition accordingly provide training to the concerned field-level supervisors and drillers.
- iii. Supervise and guide in preparation of report on findings and provide guidance for drilling new wells as per design;
- iv. Guide the field level hydrogeologist in finalizing the design of PTWs based on field requirement.
- v. Monitor the field supervision for installation of TTWs and PTWs.
- vi. Maintain close contact with field level hydrologists and guide them to strictly maintain the standard procedure of well installation.
- vii. Review and evaluate all arsenic, iron and manganese mitigation measures in place and see to the execution of specific studies.
- viii. Provide necessary data/info/recommendations to the Project Management Unit (PMU)/local DPHE for drilling proposed PTWs in the scheme areas.



10) Technical Advice to PD

When necessary and required by PD, Environmental Specialist shall provide technical advice related to environmental issues to PD. Such advice would include coordination with other governmental organizations, development partners, UN agencies and NGOs working at Rohingya camps, strategies to address major environmental issues and complaints, handling grievances and enhancement of ES capacity of PMU.

D. Key Qualifications

Educational Qualifications and Professional Experience of the Consultant:

a) Educational Qualification:

- Master's in Environmental Engineering, Forestry/ Wildlife, Environment Science/ geology/hydrogeology/earth sciences or related field.

b) Experience:

- 10 years of experience as Environment Engineer/ Environmental Scientist/ Forestry/ Wildlife expert/ Environmental Planner/ Geologist or related field.
- Experience in conducting environmental assessments of road/ water/ wastewater or other infrastructure sector of similar nature and complexity.
- Experience must include at least one World Bank/ADB or other development partner funded project.
- Experience of preparing one or more Environmental Social Impact Assessments (ESIAs), Environmental Management Plans (EMPs) or Environmental and Social Management Frameworks (ESMFs) in accordance with World Bank ESF.
- Competence in writing guidelines, manual, etc. in WASH sector
- Expertise in the related to FDMN is preferred;
- Fluency in both oral and written in English.

E. Duration of the Assignment

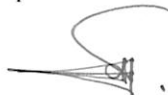
The Consultant shall perform the Services for 24 months. However, the duration may be increased based on performance of the individual, availability of budget and project needs.

F. Institutional Arrangement

The position is full time Cox's Bazar based and provides support to Regional Project Management Unit (RPMU) at Cox's Bazar. The Consultants will work under direct control of the Deputy Project Director. S/he will report directly to the Deputy Project Director with close collaboration with other officials of the Project. The Consultant shall be accountable to the Deputy Project Director for his/her day-to-day activities.

G. Reporting Obligations

- I. Monthly Activity Report
- II. Review and endorsement of environmental screening of each physical intervention
- III. Any other reports as mentioned in the scope of works and as required by PMU.



H. Remuneration

The Consultant will be paid a negotiable consolidated remuneration inclusive of all applicable Taxes and VAT as per law of Bangladesh. Payment shall be made on monthly basis upon satisfactory performance output certified by the Project Director.

I. Selection method

The Consultant will be hired and contracted as per the “Individual Consultant (IC)-Open” Selection method of World Bank Procurement Regulation (PR), 2016, updated in September 2023.

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