#### Government of the People's Republic of Bangladesh

Office of the Project Director (ACE), RHD Sylhet-Charkhai-Sheola Highway Improvement Project Foreign Aided Projects Bhaban Roads and Highways Department Road No. 27, Block-A, Banani, Dhaka-1213.

Memo No. 35.01.2607.077.07.026.23-95

Request for Expressions of Interest (REOI) CONSULTING SERVICES FOR UPDATING DESIGN AND SAFEGUARD DOCUMENTS for Sylhet-Charkhai-Sheola Highway Improvement Project under ACCESS PROGRAM

Date: 02 November 2023

Assignment Title: Consulting Services for Updating Design and Safeguard Documents Reference Package No.: SP-04

- The Government of the People's Republic of Bangladesh (GoB) has received a credit from the World Bank towards the cost of Accelerating Transport and Trade Connectivity in Eastern South Asia (ACCESS) Program – Bangladesh Phase 1. Roads and Highways Department (RHD) will be implementing Sylhet-Charkhai-Sheola Highway Improvement component under the project. It intends to apply a part of the proceeds of this credit for the above-mentioned consulting service.
- The overall objective of this assignment is to modify/update the existing social safeguard related as well as engineering design related documents for successful implementation of the project. The assignment includes following 03 tasks related to Sylhet-Charkhai-Sheola Highway Improvement Project:

Task-1: Updating the existing Resettlement Action Plan (RAP) and Land Acquisition Plan (LAP) according to the guideline of the project Resettlement Policy Framework (RPF).

Task-2: Updating the existing Environmental and Social Impact Assessment (ESIA), Environmental and Social Management Plan (ESMP) according to the guideline of World Bank's Environmental and Social Framework (ESF).

Task-3: Updating the existing Geometric Design, Technical Specification & BoQ for Civil Work Packages.

- The expected date for commencement of the services is February 2024 and the tentative duration of the entire assignment is about 05 (five) months. The consultant will be selected through Consultant's Qualification-based (CQS) selection method set out in the World Bank Procurement Regulations for IPF Borrowers, July 2016, and updated in September 2023. The Contract type shall be Lump-sum Contact. The Payment shall be made based upon the submission and subsequent acceptance of **Deliverables** as described in Terms of Reference (TOR). Detailed TOR and other information will be available upon request from the address provided below either through email or in person. The TOR can also be found at the following website: www.rhd.gov.bd
- RHD will select Consulting firm (or Joint venture of Consulting Firms) for the above-mentioned Consulting services having at least 10 (ten) years of general experience and 08 (eight) years of specific experience. The following previous experience of rendering consulting services (within last 8 years) shall be considered as specific experience:
  - Experience in preparation of Land Acquisition Plan (LAP) and Resettlement Action Plan (RAP) for at least 02 (two) highway development project; and
  - Experience in preparation of Environmental and social Impact Assessment Plan/activities (EIA or ESIA) for at least 02 (two) highway/bridge development project; and
  - Experience in Highway Design for at least 01 (one) infrastructure Project.
  - In all above cases, prior experience in World Bank financed project is preferred but not mandatory.
- For submission of EOI, the list of following information should be included but not limited to:
  - The firm's registration certificate, Company profile; including management, personnel, firm's specialty, performance, the latest Annual Report, Summary of permanent professional employees with qualifications and time with the firm, Consulting Firm's relevant experience details with supporting documents, Audited Financial Report for last 3 (three) years, History of litigation in court or any arbitrations proceedings (if any) etc.
- The attention of interested Consulting Firm is drawn to the Section III, Para 3.14,3.16, and 3.17 of the World Bank's" Procurement Regulations for IPF Borrowers, July 2016 and updated in September 2023, setting forth the World Bank's policy on conflict of interest.
- Further information can be obtained at the address below during office hours (09:00 AM to 05:00 PM Bangladesh Standard Time). Expression of Interest must be delivered in a written form to the address below (in person, or by mail, or by fax, or by e-mail) by 01:00 PM (Bangladesh Standard Time), December 06, 2023. (Khan Md Kamrul Ahsah) 111 2023

ID No. 005081

Project Director (ACE), RHD Sylhet-Charkhai-Sheola Highway Improvement Project

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# GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH Ministry of Road Transport and Bridges Road Transport and Highways Division Roads and Highways Department

# TERMS OF REFERENCE

Consulting Services for Updating Design and Safeguard Document

OF

SYLHET-CHARKHAI-SHEOLA HIGHWAY IMPROVEMENT PROJECT

November 2023

# **TERMS OF REFERENCE**

# Consulting Services for Updating Design and Safeguard Document

## **Key Information**

Name of the Project	Sylhet-Charkhai-Sheola Improvement Project	
Name of the Package	Consulting Services for Updating Designs and Safeguard Documents	
Package No.	SP-4	
Organization	Roads and Highways Department (RHD)	
Selection Method	CQS (Consultant's Qualification based Selection)	
Market Approach	Open - National	
Contract Type	Lump-Sum	
Duration of Contract	05 (Five) Months	

# 1. Background

The Sylhet-Charkhai-Sheola Highway Road segment is an important part of Bangladesh-China, India and Myanmar (BCIM) corridor and South Asia Sub Regional Economic Corridor (SASEC) 5. The BCIM corridor will cover encompassing an estimated 440 million people in China's Yunnan province, Bangladesh, Myanmar, and Seven Sisters in North-Eastern India through the combination of road, rail, water and air linkages in the region. The BCIM envisages greater market access for goods, services and energy, elimination of non-tariff barriers, better trade facilitation, investment in infrastructure development, and joint exploration and development of mineral, water, and other natural resources. The Government of the People's Republic of Bangladesh is receiving financing from the World Bank for the Accelerating Transport and Trade Connectivity in Eastern South Asia (ACCESS) Program - Bangladesh Phase 1 Project, a part of the World Bank's Multiphase Programmatic Approach (MPA). There are four components in this project and among them sub-components 2e under component 2 includes upgrade the 43 Km two-lane Sylhet-Charkai-Sheola road to a climate-resilient four-lane road, connecting the Sheola Land Port with the Dhaka-Sylhet Highway. This component will be implemented by Roads and Highways Department (RHD), under the Ministry of Road Transport and Bridges (MoRTB) Bangladesh and is termed as SYLHET-CHARKHAI-SHEOLA HIGHWAY IMPROVEMENT PROJECT (the "PROJECT"). The Project has been approved by GOB in ECNEC meeting on 11 April 2023.

The upgradation of Sylhet-Charkhai-Sheola road aims to ensure substantial safety provisions for the movement of local traffic and slow-moving vehicular traffic (SMVT) through enabling separate service lane on both sides of the highway where necessary, ensuring a safer road for the vulnerable road users by providing EWCD (Elderly, Women, Children and Differently abled person) friendly highway infrastructures and reducing road accidents and road hazards.

The scope of civil works under the Investment Project includes the Improvement of the existing 2-Lane Road over the length of approximately 42.985 km into a 4-Lane divided carriageway with Service Lanes on both sides. To withstand heavy load (truck traffic) as well as extreme weather conditions, polymer modified bitumen (PMB) will be used for pavement. As a part of regional connectivity, Sylhet-Charkhai -Shoela Highway (42.985 km) will be developed with improvement/widening of 03 bridges, improvement/widen 31 culverts, construction of 04



Foot Over Bridges, construction of Flyover, Overpass, Bus Bay and intersections. In addition, the project will consist of the following component:

Component: Installation of ITS components along the highway including setting up a Transportation Management Center (TMC). This component will require installation ITS elements like CCTV, fiber optic cable, vehicle detection components, travel advisory display message board installation etc.

# 2. Rationale of the Service:

The project will involve construction activities that bear potential risk on physical, biological, social and cultural environment of any area. Because of high dependency of people on natural resources and widespread poverty, the social and environmental impacts are visibly significant, particularly when construction works are undertaken in project areas. The environmental and social risks will be triggered by land acquisition, displacement/damage of permanent assets and loss of land, loss of trees, biodiversity and agricultural land, effect to water sources due to sedimentation and water logging etc. for the project.

Earlier, through an ADB financed Technical Assistance (TA) project, Subregional Road Transport Project Preparatory Facility (SRTPPF-II), RHD conducted feasibility study and prepared Detailed Design for Sylhet-Charkhai-Sheola-Sutarkandi Road. Within SRTPPF-II project scope, project design consultant Hifab and Associates submitted Final Detailed Design Report (FDDR) in May 2022. Among other, FDDR includes Detailed Design Drawings, Land Acquisition Plan (LAP), Resettlement Plan (RP) and related Tender Documents for the construction and maintenance of Sylhet-Charkhai-Sheola-Sutarkandi Road. All these activities place between 2017-2022. The detailed design and safeguard documents prepared by SRTPPF-II consultant, need to be further reviewed and updated by an independent Consulting Firm (the "CONSULTANT"), to be engaged under this Service Package - 04 (SP-04) of the PROJECT.

# 3. Objective and Summary of the Assignment

The overall objective of this assignment is to modify/update the existing social safeguard related as well as engineering design related documents for successful implementation of the project. This assignment includes 03 tasks.

**Task-1**: Updating the existing Resettlement Action Plan (RAP) and Land Acquisition Plan (LAP) for Sylhet-Charkhai-Sheola Highway Improvement Project according to the guideline of the project Resettlement Policy Framework (RPF).

**Task-2**: Updating the existing Environmental and Social Impact Assessment (ESIA), Environmental and Social Management Plan (ESMP) for Sylhet-Charkhai-Sheola Highway Improvement Project according to the guideline of World Bank's Environmental and Social Framework (ESF).

**Task-3**: Updating the existing Geometric Design, BoQ & relevant Technical Specification for Civil Work Packages for Sylhet-Charkhai-Sheola Highway Improvement Project.



#### 4. Detailed Tasks

4.1 Task 1: Updating the existing Resettlement Action Plan (RAP) and Land Acquisition Plan (LAP) for Sylhet-Charkhai-Sheola Highway Improvement Project according to the guideline of the project Resettlement Policy Framework (RPF).

Consistent with the project's risk requirements and considering the large-scale land-related impacts envisaged under the project, RHD as the implementing agency will prepare/update a Resettlement Action Plan (RAP) as per the guidelines of the project RPF for managing the impacts emerging from specific investments in this road section as elaborated under task 1 above. The task will also include review/updating of the existing land acquisition proposal (LAP), as required, based on the revised design and RoW of the road.

# 4.1.1 Objective of the Task

The Feasibility study and Detail Engineering Design of the Project was done from SRTPPF-II project of RHD financed by ADB. The RAP prepared under the project is needed to be prepared/updated according to the guidance of the World bank available under the Resettlement Policy Framework (RPF) developed for the RHD components of the ACCESS Bangladesh Phase-1 Project. The Consultant will coordinate the Task-1 activities (RAP related) with both the E&S team (Task-2 related) and technical team (Task-3 related), for scoping the scale, magnitude, and specificity of all land acquisition related risks, conduct stakeholder consultations and develop the RAP.

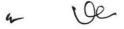
The Consultant will update the estimate of total land requirements of the Sylhet-Charkhai-Sheola road section and the site specific land parcels needed to be acquired for the purpose, or restrictions on land use that may cause physical displacement (relocation, loss of residential land or loss of shelter), economic displacement (loss of land, assets or access to assets, leading to loss of income sources or other means of livelihood), or both. The Consultant will also need to assess the direct impact of acquisition on landowners as well as indirect impacts on income and livelihood on dependents of land adjacent to those acquired for the purpose. This assessment will also need to scope all access and use related restrictions on land and its related resources on which the Project Affected Persons/families (PAPs/PAFs) may be dependent for their livelihoods and income.

## 4.1.2 Detail scope of work

Based on the overall guidance provided in the RPF prepared for the RHD components of the project and based on the specific design details being finalized by the project, the Consultant will prepare the RAP that would be aligned to these project documents and would govern all the resettlement related issues in the Sylhet-Charkhai-Sheola Road alignment. The Consultant will use the final design specifications to base its land-related surveys and studies to assess impacts and compensations.

The RAP preparation will closely follow the guidance of the RPF which is prepared as the ESS5 and its various provisions related to defining land acquisition, payment of compensations, involuntary resettlement including economic and physical displacement and will follow the structure proposed for RAP preparation provided at the end of the ToR.

Similarly, the consultant will review and update the existing LAP by incorporating new PAPs if this results from changes in the RoW of the road. The revised LAP will include all required information as per the prescribed format of the government. The consultant will collect/update the required information through field surveys along with land ownership and registration information from land records office of the DC and as well as the local tehsildar office as relevant.



The main goal of the RAPs is to identify the PAPs, strategies for compensation associated with the identified resettlement impacts (temporary or permanent loss of land, housing, assets or livelihoods) as per the RPF, lay out the process and institutional responsibilities for addressing and compensating (at full replacement levels) any negative impacts to ensure that assets and livelihoods of affected persons are improved or at minimum restored to levels at which they were before initiation of project implementation.

To achieve this goal the following tasks will be completed by the consultant:

- a. Update the legal section of the RPF (if necessary) and make sure that any additional legal and policy framework for land acquisition, as well as the laws, regulations that apply to reclaiming informally settled public land and involuntary eviction and resettlement are adequately considered in RAP preparation (based on gaps in legal review assessed in the RPF).
- b. Ensure that the RAP is developed in full compliance with these policies and Resettlement Policy Framework (RPF) and ESS5.
- c. Add new categories of PAPs identified during the RAP preparation.
- d. Identify the precise resettlement impacts, requirement for relocation along with a relocation strategy, livelihood and business restoration as well as additional social risks (if applicable) that will be associated with the implementation of the schemes listed above.
- e. Prepare socio-economic inventory/census survey for the PAPs to identify and quantify different categories of PAPs who would require some form of assistance, compensation, rehabilitation or relocation, with relevant plan/strategy.
- f. Prepare an entitlements matrix listing all likely effects as per relevant typologies to be developed on assets and resources.
- g. Conduct valuation of assets/compensations as per different PAP categories and their agreed entitlements.
- h. Provide information on vulnerable groups or persons, for whom special provisions may need to be made. Describe the mechanism by which compensation and any other resettlement assistance to be provided will be estimated and delivered to these vulnerable PAPs. Develop complete list of affected households/persons and relevant compensations.
- i. Prepare standards for compensation and restoration of the social and economic base of the PAPs to replace all types of loss, as appropriate. Provide information on vulnerable groups or persons, for whom special provisions may have to be made. Describe the mechanism by which compensation and any other resettlement assistance to be provided will be estimated and consulted with PAPs. Develop complete list of affected households/persons and relevant compensations.
- j. Prepare a livelihood/business restoration plan for the PAPs that is proportionate to the risks and impacts to the resettlement related activities.
- k. Develop a clear executive time plan for the RAPs implementation linking the various steps to the various project components and implementation plan, including institutional responsibilities, and monitoring parameters. Develop a timetable and budget.
- Conduct public consultation with PAPs, document the various consultation activities to be conducted as part of the RAPs and ensure that information has been shared transparently through an active and consultation process.
- m. Develop communication and consultation plans to be adopted by the project authority along the various stages of the project cycle.
- n. Review and if needed update the monitoring plan for RAP implementation as spelt out in the RPF (specifying roles and responsibilities of the relevant institutions), including updating the institutional responsibilities detailed in the RPF for implementation, grievance redress, monitoring and reporting
- o. Describe the process of coordination between land acquisition and resettlement implementation with procurement and commencement of civil works to ensure the readiness for contract award and commencement of works
- p. Carry out any other activities required by RPF for the ACCESS Bangladesh Phase-1 Project (RHD) for preparation of RAPs. Each RAP document will contain the following seven main elements:



## i) Review and updating of the LAP

The consultant will review the current LAP and will update it with the additional data/information if there are changes in the quantum of land acquisition as a result of changes in the RoW. The updated LAP will include an exhaustive list of land ownership data including compensation amount following the prescribed format of the government.

#### ii) Census survey of displaced persons and valuation of assets

This will include a summary of the results of the census survey of displaced persons and valuation of assets, as well as the description of compensation and other resettlement assistance to be provided, including:

- Eligibility. Definition of displaced persons and criteria for determining their eligibility for compensation and other resettlement assistance, including relevant cut-off dates.
- Valuation of and compensation for losses. The methodology to be used in valuing losses to
  determine their replacement cost; and a description of the proposed types and levels of compensation
  under local law and such supplementary measures as are necessary to achieve replacement cost for
  lost assets.
- Resettlement measures. A description of the packages of compensation and other resettlement
  measures that will assist each category of eligible displaced persons to achieve the objectives of the
  policy of the ESS5. In addition to being technically and economically feasible, the resettlement
  packages should be compatible with the cultural preferences of the displaced persons, and prepared in
  consultation with them.

# *iii)* Description of compensation and other resettlement assistance to be provided Describe the process and methodology used for valuation, consistent with the RPF.

# iv) Consultations with affected people about acceptable alternatives

Describe the consultations with displaced people about acceptable alternatives, as well as the involvement of PAPs and local community members, including

- The strategy for consultation with and participation of PAPs and other local stakeholders (e.g. residents not participating in the project, businesses, CSOs, etc.) in the design and implementation of the resettlement activities;
- A summary of the views expressed and how these views were taken into account in preparing the resettlement plan;
- A review of the resettlement alternatives presented, and the choices made by displaced persons
  regarding options available to them, including choices related to forms of compensation and
  resettlement assistance, to relocating as individuals families or as parts of preexisting communities or
  kinship groups, to sustaining existing patterns of group organization, and to retaining access to cultural
  property (e.g. places of worship, pilgrimage centers, cemeteries, etc.); and
- Develop provision to ensure that the ownership and payment of compensation for the economic and
  physical displacement should be issued in the names of both spouses or female head of households
  as relevant; all allied resettlement assistance, like skill upgradation, employment, access to credit, etc.
  should be available equally to both women and men and adapted to their needs.

# v) Institutional responsibility for implementation and procedures for grievance redress

Describe the institutional responsibility for implementation and procedures for grievance redress, covering:

- The organizational framework for implementing resettlement, including identification of agencies responsible for delivery of resettlement measures and provision of services; arrangements to ensure appropriate coordination between agencies and jurisdictions involved in implementation; and
- Any measures (including technical assistance) needed to strengthen the implementing agencies'
  capacity to design and carry out resettlement activities; provisions for the transfer to local authorities or
  PAPs themselves of responsibility for managing facilities and services provided under the project and



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for transferring other such responsibilities from the resettlement implementing agencies, when appropriate.

 Describe measures to ensure that vulnerable groups and disadvantaged people are adequately represented in the consultation and implementation process.

## vi) Arrangements for monitoring and implementation

Describe the arrangements for monitoring and implementation, including:

- Arrangements for monitoring of resettlement activities by the implementing agency, supplemented by independent monitors as considered appropriate by the Bank, to ensure complete and objective information;
- Performance monitoring indicators to measure inputs, outputs, and outcomes for resettlement activities;
- Involvement of the PAPs / displaced persons in the monitoring process;
- Evaluation of the impact of resettlement for a reasonable period after all resettlement and related development activities have been completed; using the results of resettlement monitoring to guide subsequent implementation.

#### vii) Timetable and budget

Present a timetable and budget, including tables showing itemized cost estimate for all resettlement activities, including

- Allowances for inflation, population growth, and other contingencies;
- Timetables for expenditures;
- sources of funds; and arrangements for timely flow of funds, and
- funding for resettlement, if any, in areas outside the jurisdiction of the implementing agencies.

The RAP Document shall include a complete list of affected households/persons and relevant compensations and the following documentation in Annex:

- Inventory of loss including loss by each PAP with regard to their total asset base;
- Entitlement by PAPs (monetary compensation and other benefits under the project)
- Extract from public registry or other documents for proving the titles (if not registered in public registry).
- Consents from the PAPs regarding the implementation of rehabilitation works on their property (understanding that PAPs have the choice to opt out of the Project);
- Prepared Cadastral Drawings (if needed) Contact information of the PAPs:
- Copies of the PAPs' National ID card with contact address and phone number;
- Videos/Photos of the project affected property/area etc.

The scope of the assignment (preparation of RAP) in this ToR might require adjustment based on the project demand and situation during implementation of the project.

The Consultant firm/ NGO will also be responsible for finalization of the draft RAP based on inputs received from different reviewers/ stakeholders, holding consultations/ workshops for select disclosure, translation of relevant portions of RAP into local dialect/ language and support to implementing agency (RHD) for RAP finalization and its public disclosure.





# 4.1.3 Component of Deliverables (Task-1):

The Deliverables under the task as described in Table-4 must include the following components:

- i) Detailed Workplan and Inception Report highlighting its Approach & Methodology and Tentative Work Schedule.
- ii) Draft RAP (two copies) for review and comments of the RHD and the World Bank.
- iii) Final version of the RAP (two sets) incorporating feedback received from RHD and the World Bank including Bangla version of the reports in a comprehensible format
- iv) DVD of video filming (two copies) would be submitted to RHD within 30 days of capturing video of the road alignment. The video filming will cover all structures within the right of way/selected area and would be edited as per instruction of the RHD.
- v) All database of the survey output would be delivered to the RHD with user-friendly menu-driven software.
- vi) All documents relating to surveys, census, consultation meetings etc. would be submitted to RHD as and when required.
- vii) Updated/revised LAP.

Any other documents relating to RAP have to be provided in a standard acceptable to RHD and the World Bank. The final RAP document will be limited to 60 pages excluding different annexes. For specific deadlines for key deliverables, please refer to the timeline of this ToR in Table-4 of Section-6.

4.2 Task-2: Updating the existing Environmental and Social Impact Assessment (ESIA), Environmental and Social Management Plan (ESMP) for Sylhet-Charkhai-Sheola Highway Improvement Project according to the guideline of World Bank's Environmental and Social Framework (ESF).

A site-specific ESIA was prepared for the Sylhet-Charkhai-Sheola road corridor during preparation of the ACCESS Program, which in addition to fresh survey data, also used data/information from a previous ESIA following ADB safeguards policy, prepared under a Technical Assistance project supported by the Asian Development Bank (ADB), in 2019. This ESIA will be updated following World Bank's Environmental and Social Framework (ESF), along with a final ESMP.

Thus, the current assignment is to update and finalize the existing ESIA and ESMP for this section Sylhet-Charkhai-Sheola. The updated ESIA, will be based on final design and alignments, will reassess (from an Environmental and Social perspective) all changes made into the project design and measure specific impacts as they were unknown during the preparation stage.

The selected Consultancy Firm will keep track of the existing feasibility studies and road design, maintain regular communication, and share information with RHD and the technical feasibility, design/DPR consultants to be able to understand specific/final alignments and design features, utilities planned, new road width etc., to be able to scope the scale and area of social and environmental impacts, and equally importantly, to ensure integration of ESIA findings in the engineering design; their specifications including exact location, designs and layouts and their overall spatial spread.



# 4.2.1 Objective of the Task

An Environmental and Social Impact Assessment (ESIA) for the Sylhet-Charkhai-Sheola road section was prepared as part of the ACCESS Program preparation. This ESIA now needs to be updated before the implementation phase and therefore the scope of work will involve the following:

- a) Update the risks and impacts identified in the ESIA during the preparation phase and identify any additional E&S risks and impacts (as per the World Bank's ESF) associated with the identified project investments that may not have been identified during preparation;
- b) Update the environmental and social screening of the project's ESIA if required based on the final alignment that are part of the current package based on the final design specifications;
- c) Carry out further assessment as needed on the specific requirements of the vulnerable and marginalized groups/peoples as per the requirements of the ESS1 of the World Bank's ESF.
- d) Undertake additional stakeholder consultations to cover groups/ communities/ stakeholders not covered during the initial assessment or engagement, to elicit their views and suggestions on actions and measures for inclusion in the ESMP;
- e) Finalize the ESMP based on the risk-mitigation hierarchy addressing site specific risks and impacts;
- f) Update the implementation and monitoring arrangements proposed in the earlier ESMP, including the project-specific grievance redress mechanisms, capacity building measures within the implementing agency (RHD) to effectively handle E&S risks and revised budgetary estimates for implementing the ESMP, based on the new assessment.
- g) This updated ESIA will include in its scope all direct, indirect and cumulative<sup>1</sup>, and relevant E&S risks and impacts emerging as a result of project investments in this corridor.

## 4.2.2 Detailed Scope of Work

Specific responsibilities of the selected Consultant will include but not limited to:

- (i) To update the ESIA along with ESMP according to the World Bank's Environmental and Social Policy Framework (ESF) considering the final right of way of the road including its influence area and the design standards.
- (ii) The ES team of this consultancy service will work closely and parallel with the design team to ensure incorporation of different environmental aspects into the design to protect the surrounding natural environment from any related risk and impacts. The environmental considerations viz reduce waterlogging, proper slope direction, adequate opening for natural water flow in waterbodies, provisions to avoid air /noise pollution at surrounding habitat, traffic safety, land use & ecology, route alignments to reduce visual hazard, tree plantation, spoil management etc.
- (iii) Prepare specific ES BoQ and relevant tender clause based on the updated design and specification. Develop additional plans and documents as required by the relevant standards (see below on additional plans and documents to be prepared).

<sup>&</sup>lt;sup>1</sup> Cumulative impact assessment will be based on IFC Good Practice Handbook for CIA, but this should not be treated as the exclusive guidelines. The CIA will be conducted following ESS1





- (iv) The Consultant shall prepare the ESIA and ESMP in line with the World Bank's Environmental & Social Standards (ESS) and the Environmental, Health and Safety Guidelines. The consultant will evaluate the project design to assess any potential environment and social risks and impacts arising from the project activities, in the context of the relevant Environment and Social Standards.
- (v) The Firm will be responsible for finalization of the ESIA and ESMP incorporating feedback received from reviewers, including RHD, its PIU/PIC and the World Bank. The firm will also be responsible for finalizing the documents for disclosure by the implementing agency, including their finalization, translation of relevant documents (executive summary of ESIA, ESMP) into Bangla, and their disclosure on the RHD website. The firm will also organize project or district level consultation and disclosure workshops for sharing the draft ESIA/ESMP and seeking comments/ suggestion from civil society and other stakeholders. The Consultant would maintain and if required disclose the detailed records of all public consultations held as part of ESMP preparation to seek the views of stakeholders- including the date and location of such consultations, list of attendees and contact addresses, videography of consultation workshops (if possible) and summary minutes.

# 4.2.3 Component of Deliverables (Task-2):

The Deliverables under the task as described in Table-4 must include the following components:

- a) Detailed Workplan and Inception Report highlighting its Approach & Methodology and Tentative Work Schedule.
- b) Draft updated ESIA and ESMP report
- c) Final ESIA and ESMP report including Bangla version of the reports in a comprehensible format

The final ESIA/ESMP will be no more than 100 pages (Calibri 11 fonts), excluding various annex. For specific caption and deadlines for each deliverable, please refer to the timeline of this ToR in Table-4 of Section-6.

# 4.3 Task-3: Updating the Geometric Design, Technical Specification & BoQ for Civil Work Packages for Sylhet-Charkhai-Sheola Highway Improvement Project.

# 4.3.1 Objective of the Task

The task includes a quick scrutiny of existing detailed engineering design, updating the design, BoQ & relevant Technical Specification for preparing civil works bidding documents. RHD will be responsible to supply soft copies of the following listed documents to the Consultants.

- i. Final Detailed Design Report, May 2022 (FDDR) including all Appendices (A-L)
- ii. Highways & Structural Drawings Volume 3 (Section 6) of Tender Documents
- iii. Volume 1 (Section 6 Bill of Quantity) of Tender Documents
- iv. Volume 2 (Section 6 Technical Specification) of Tender Documents
- v. Appendix E of FDDR: Road Safety Audit & responses
- vi. Appendix F of FDDR: Cost Estimate

# 4.3.2 Detail Scope of Work:

The Consultants needs to perform the following two sub-tasks (1-2) under **Task 3**, some of these sub-tasks will require check/validation and/or update of the design document through validation, and rest of the sub-tasks will require design document modification through inclusion or exclusion of any design components. The Sub-tasks are:



# 4.3.2.1 Sub-Task 1- Review of Volume 3: Section 6 (Drawings: Highway Drawings) of Construction Packages of the Tender Documents and update the existing geometric design of the highway.

- During the regulatory approval process of the Project Proposal (DPP), some changes have been made
  to the scope of work for civil work Contact Package C2. Earlier, the highway geometry and pavement
  X-section was done considering SMVT lanes at both sides, but as per current FDDR (May 2022), it has
  discarded the SMVT lanes from the design Highway Drawings (Volume 3, Section 6: Part 1) of C2. In
  this context, the Consultant needs to check and subsequently modify (if required) the existing highway
  design and drawings of all the civil work contracts in accordance with the updated/modified LAP and
  approved DPP provision of the project.
- The Consultant needs to check the inconsistencies between highway drawing and structural drawing of FDDR and subsequent action has to be taken to solve the issue.

# 4.3.2.2 Sub-task 2 - Review of Volume 3: Section 6 (Drawings: Highway Drawings and Structure Drawings) to Update the relevant Technical Specification & BoQ of the civil work packages.

- Consultants need to check the Bidding Document: Volume 1, Section 6: Bill of Quantity of civil work Contract Packages to understand whether this BOQ is aligned with the highway drawing and structural drawings.
- If Volume 1, Section 6: Bill of Quantity of civil work Contract Packages does not match with the relevant highway drawing and structural drawings, update the BOQ and associated Cost Plan/estimate with recommendations regarding value engineering opportunities.
- Consultants need to check the Bidding Document: Volume 2 (Technical Specification) of civil work
  Contract Packages to understand whether there is any inconsistencies in design, BoQ and Technical
  Specification that can impact quality of works.
- if Volume 2 (Technical Specification) of civil work Contract Packages needs correction and modification, update the relevant part of Technical Specification accordingly.

# 4.3.3 Component of Deliverables (Task-3):

Each delivery needs to be first submitted in draft version for RHD and World Bank review. Upon receipt of review feedback, Consultants need to address all the feedback, if justified. If feedback cannot be accommodated in the Final deliverables, it needs to be communicated with RHD and World Bank in writing. The deliverables under the task as described in Table-4 must include the following components.

- (i) Revised BoQ and Cost Plan for all 03 nos of Civil work Contract Packages.
- (ii) Revised Geometric design of highway.
- (iii) Modification/update of Technical Specification.
- (iv) All the agreed meeting minutes as a single document.

For specific deadlines for each deliverable, please refer to the timeline of this ToR in section 6 (Table-4).



# 5. Team Composition and Qualification Requirements

The following Table-1 is an indicative list of skills required. The Consultant will provide key personnel with an estimated total of 24 person months of input from key experts. Total person months required as inputs are estimated at 46. The Consultant shall note that the distribution of the total person months among the positions is **indicative**. However, the Consultant should NOT revise the key expert positions. To meet the scope of the ToR, consultant may engage additional resources, adjust appropriate skills among key staff if required and the financial proposal will be submitted accordingly. No additional claim will be entertained during negotiations or during carrying out the services to meet the objective and scopes. An indicative team composition of the Consultant is shown in Table 1. However, the Consultant will propose non-essential personnel with budget, as may be required, such as: enumerators, database operator/manager, etc. including additional expenses on reimbursable basis require for completion of the deliverables.

Table 1: Team Composition

	Table 1. Team Composition					
SI.	Positions	Key/Non-	No of	Indicative Person-		
No.		Key	Person	months		
1	Team Leader (Highway	Key	01	05		
	Engineer)					
2	Resettlement and Social	Key	01	05		
	Development Specialist		1			
3	Gender Specialist	Key	01	03		
4	Environment Specialist	Key	01	04		
5	Quantity Engineer	Key	01	04		
6	Structural Engineer	Key	01	03		
	Sub-Total			24		
7	Resettlement Officer	Support	01	04		
		Staff				
8	Junior Environmental Engineer	Support	01	04		
		Staff				
9	CAD Operator	Support	01	04		
		Staff				
10	Computer Operator	Support	01	05		
		Staff				
11	Office Assistant	Support	01	05		
		Staff				
	Sub-Total			22		

Qualification requirements for key personnel are as follows:



Table 2: Qualification Requirements for Key Experts

SI.			Ley Experts	
No.	Positions	Qualification Requirements	Major Task/Responsibilities	
1	Team Leader (Highway Engineer)	<ul> <li>Bachelor's degree in civil engineering, postgraduate degree in relevant field preferred</li> <li>Minimum 20 years of professional experience</li> <li>Minimum 15 years of experience in planning, preparation, design, and construction supervision of highway projects</li> <li>Must Have worked in Senior Position for minimum one project in the above relevant field in WB's Development Member Countries (DMCs) in the last ten years.</li> <li>Working experience of minimum 8 years on projects with funding from multilateral or bilateral development agencies is preferred.</li> <li>Must have experience in highway/bridge projects where Land acquisition and Resettlement activities were an integral part of the Project.</li> </ul>	- Lead the team - Determine the most cost- effective improvement option for each project road section. Where new pavements are to be provided, they will be designed, using an internationally recognized procedure. Consider options for extended pavement design life and document economic comparison between options Detailed Engineering Design for execution of the improvement works shall include improvement of road geometrics, drainage structures, retaining and protection structures, slope stabilization and bioengineering works, etc Detailed design of major intersections along the road section as well as minor intersections for roads intersecting the highway, - Review the existing reports and design of the alignment of the project road Identify, Suggest and design the necessary improvements of the alignment considering safety aspect Prepare Risk mapping of the project road network Provide solutions to improving black spots identified in the project corridor.	



SI. No.		Qualification Requirements	Major Task/Responsibilities	
			<ul> <li>Provide standard solutions for typical infrastructure elements in multileg junctions, U-turns, slip lanes, merging lanes, SMVT crossing, pedestrian crossing, pedestrian movements etc.</li> <li>Prepare New Land Acquisition Plan as per revised Design.</li> <li>Suggest Modification for the relevant part of the Technical Specification.</li> </ul>	
2	Resettlement and Social Development Specialist	<ul> <li>Master's degree in social science</li> <li>Minimum 15 years of professional experience in implementing resettlement plans in Bangladesh.</li> <li>Minimum 08 years of experience in resettlement for road/infrastructure projects.</li> <li>Working experience on projects with funding from multilateral or bilateral development agencies preferred.</li> </ul>	<ul> <li>Prepare social safeguards documents such as resettlement Action, plans, indigenous peoples plan, due diligence reports and other related documents relevant to project preparation.</li> <li>Prepare the census survey report based on updated census survey.</li> <li>Monitor the field team's activities deployed for census survey and Land Acquisition plan preparation/update.</li> </ul>	
3	Gender Specialist	<ul> <li>Bachelor's degree in social science, postgraduate degree preferred.</li> <li>Minimum 10 years of professional experience</li> <li>Minimum 07 years of experience in social development and gender preferably for road/ infrastructure projects</li> <li>Experience in designing and conducting community awareness campaigns</li> </ul>	<ul> <li>prepare detailed plans to implement the gender equality and social inclusion (GESI) action plan.</li> <li>Ensure that women, girl and children are properly focused in project initiatives.</li> <li>Ensure all safeguard documents going to be prepared under this assignment complies with the WB's gender policy framework.</li> </ul>	



SI. No.		Qualification Requirements	Major Task/Responsibilities	
		- Experience in implementing gender equality and social inclusion related activities in projects.		
4	Environment Specialist	<ul> <li>Bachelor's degree in civil/environmental engineering or environmental science, Master's degree preferred.</li> <li>Minimum 15 years of professional experience</li> <li>Minimum 08 years of experience in environmental management and compliances for highway projects</li> </ul>	<ul> <li>Review the existing environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) for the project.</li> <li>Preparation/update of environmental and social Impact Assessment (ESIA), Environmental and Social Management Plan (ESMP) according to WB's policy framework for the project.</li> <li>Suggest Modification for the relevant part of the Technical Specification.</li> </ul>	
5	Quantity Engineer	<ul> <li>Bachelor's degree in civil engineering or construction management</li> <li>Min. 15 years of professional experience</li> <li>Min. 10 years in quantity survey/ measurement, invoicing etc in highway construction projects</li> </ul>	<ul> <li>Review existing highway and structural drawings and prepare quantity needs</li> <li>Estimate the quantity and costs of materials due to changes in design suggested by highway and structural Engineer</li> <li>Assist in preparing/updating relevant cost part of the contract documents</li> <li>Suggest Modification for the relevant part of the Technical Specification.</li> </ul>	
6	Structural Engineer	<ul> <li>Bachelor's degree in civil/structural engineering, master's degree preferred</li> <li>Minimum 15 years of professional experience</li> <li>Minimum 08 years of experience in structural design for Bridge/highway projects.</li> </ul>	<ul> <li>Review Structural drawings of Detail Engineering Design Report and find any mismatch with other relevant documents.</li> <li>Suggest any value engineering opportunities in structural design</li> </ul>	



SI. No.	Positions	Qualification Requirements	Major Task/Responsibilities
			- Provide recommendations for
			PIC to improve the structural
			design of the project.
			- Suggest Modification for the
			relevant part of the Technical
			Specification.

Table 3: Qualification Requirements for Support Staff

(CVs to be evaluated as Pass/Fail Basis)

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SI. No.	Positions	Qualification Requirements		
07	Resettlement Officer	<ul> <li>Bachelor degree</li> <li>Minimum 05 years of professional experience</li> <li>Minimum 03 years of experience in the relevant field</li> </ul>		
08	Junior Environmental Engineer	<ul> <li>Bachelor's degree in civil/environmental engineering or environmental science</li> <li>Minimum 02 years of professional experience</li> </ul>		
09	CAD Operator	<ul> <li>Diploma in civil engineering/Surveying</li> <li>Minimum 05 years of professional experience</li> <li>Minimum 03 years of experience as CAD Technician/Operator preferred.</li> </ul>		
10	Computer Operator	<ul><li>Minimum H.S.C.</li><li>Minimum 05 years of experience as Computer Operator</li></ul>		
11	Office Assistant	<ul> <li>S.S.C.</li> <li>Minimum 03 years of professional experience</li> <li>Minimum 18 years of Old</li> </ul>		



# 6. Consulting Firm's Qualification and EOI Submission guideline:

RHD will select Consulting firm (or Joint venture of Consulting Firms) for the above-mentioned Consulting services having at least 10 (ten) years of general experience and 08 (eight) years of specific experience. The following previous experience of rendering consulting services (within last 8 years) shall be considered as specific experience:

- Experience in preparation of Land Acquisition Plan (LAP) and Resettlement Action Plan (RAP) for at least 02 (two) highway development project; and
- Experience in preparation of Environmental and social Impact Assessment Plan/activities (EIA or ESIA) for at least 02 (two) highway/bridge development project; and
- Experience in Highway design for at least 01 (one) Project.
- In all above cases, prior experience in World Bank financed Project is preferred but not mandatory.

For submission of EOI, the list of following information should be included but not limited to:

- The firm's registration certificate.
- Company profile: including management, personnel, firm's specialty, performance.
- The latest Annual Report.
- Summary of permanent professional employees with qualifications and time with the firm.
- Consulting Firm's relevant experience details as mentioned above including Client's name, name of service, contract value, total man-month, contract duration etc.
- Audited Financial Report for last 3 (three) years.
- History of litigation in court or any arbitrations proceedings (if any).

# 7. Output, Reporting Requirements and Payment Schedule:

All reports/deliverables shall be in the English language. Both hard and electronic copies of the finished deliverables as well as raw data need to be submitted as tabulated below. PDFs are requested in addition to the raw design (e.g., AutoCAD, ArcGIS) files. Google Maps .kmz or .kml files are requested for all map-based schematics presented in the design and reports. Consultant shall distribute electronic submittal copies to the client and their partners through FTP links or other electronic means. Separate presentations on Resettlement Action Plan (RAP), updated ESIA & ESMP, Findings/modification in engineering Design, Technical Specification & BoQ are expected from the Consultant prior to submission of Draft Reports. Feedback received on the presentations and draft reports shall be addressed in the Final Report. Draft version of reports shall be submitted in 05 hard and 01 electronic copy. Final version of all reports shall be submission.

The **Payment** shall be made based upon the submission and subsequent acceptance of **Deliverables** by the Client (RHD) and the development partner (World Bank). Detailed payment schedule shall be finalized in the RFP document. The reporting requirement and timeline is as follows:



Table 4: Reporting Requirement and Timeline

Task Reference	Deliverables	Submission Deadline (from the date of signing of Contract)	Payment Schedule (Against Contract Value)
-	Inception Report (Work plan, methodology initial analysis of data and available information, team organization, mobilization schedule of the team members, output milestone targets)	Within 02 weeks	0%
Task-1	A. Updated Land Acquisition Plan (LAP)	Within 02 months	5%
	B. Detailed Census Survey Report for preparation/update of RAP.	Within 02 months	20%
	C. Updated Resettlement Action Plan (RAP)	Within 04 months	10%
Task-2	A. Updated Environmental and Social Impact Assessment (ESIA) Plan	Within 03 months	15%
	B. Updated Environmental and Social Management (ESMP) Plan including ES BoQ.	Within 04 months	5%
Task-3	A. Updated Geometric design of highway section for civil work Contract Packages	Within 04 months	10%
	B. Updated Technical Specification & BoQ of Civil Work Packages.	Within 03 months	15%
-	Final submittal, including all items listed above with comments adequately addressed to client's satisfaction.	Within 05 months	Rest of the Amount

# 8. Implementation Arrangements and Staffing

The RHD will engage a consulting firm (or Joint Venture of Consulting Firms) and administer the contract following the World Bank's Procurement Regulation for IPF Borrowers, September 2023 and PPR-2008. The Consultant shall be selected through Consultant's Qualification-based (CQS) selection method and the Contract type shall be Lump-sum Contact.

- 12. The RHD will provide the following assistance to the consultants.
  - (1) Assistance in accessing data and information of the relevant research, reports and surveys previously conducted.
  - (2) Assistance in obtaining necessary visas, residence permits and custom clearances; Assistance in obtaining other necessary approvals, permits, and licenses etc. not specified in the above.

Security measures adopted in other projects where necessary, and Counterpart officials and representatives.



## Annexures:

# Annex A: Outline of Environmental and Social Impact Assessment and Management Plan

#### INTRODUCTION

Project Background
Objectives of the Environmental and Social Impact Assessment Study (ESIA-ESMP)
Approach and Methodology

#### REGULATORY FRAMEWORK, STANDARDS AND GUIDELINES

National, State and Local Legislative Framework and Regulations World Bank's ES Framework Policy, Directives and Standards World Bank Group Environmental, Health and Safety Guidelines (EHSG Comparison of National legislations and ESSs

#### PROJECT DESCRIPTION

Project Components

Project Footprint Area

Project Footprint and Activities considered for ESIA

**Project Activities** 

Pre-construction stage project activities

Construction stage project activities

Operational stage activities

Associated facilities

#### **ANALYSIS OF ALTERNATIVES**

#### **ENVIRONMENTAL AND SOCIAL BASELINE**

Assessment of Environmental Baseline Assessment of Social Baseline

#### STAKEHOLDER ENGAGEMENT AND INFORMATION DISCLOSURE

Public Participation Process
Stakeholder Identification and Analysis
Outcome of Stakeholder Consultations
Information Disclosure

#### **ENVIRONMENTAL AND SOCIAL IMPACTS AND RISKS**

Evaluation of PMSIP Environmental and Social Risks and Impacts Impacts during Pre-construction and Construction Phase Impacts during Operation Phase Overall Impact Significance





## **ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP)**

Management Plan and Mitigation Measures
Environmental and Social Monitoring Program
Reporting System
Institutional Arrangement and Capacity Building
Implementation Schedule
Environmental and Social Budgetary Provisions

#### LABOUR MANAGEMENT PROCEDURE DURING CONSTRUCTION

Selection and Layout of Construction Camp
Hiring and Recruitment Procedure
Facilities at workers' camps
Record keeping & Maintenance
Auditing & Inspection
Grievance Redress Mechanism
Closure of the Construction Site and Construction Laborer Camps

#### **EMERGENCY RESPONSE AND DISASTER MANAGEMENT PLAN**

# Annex B: Indicative Outline for the Resettlement Action Plan2

- 1. <u>Project Description</u>. General description of the project, its components and identification of the project area.
- 2. Potential impacts. Identification of: (a) the project components or activities that give rise to displacement, its land requirements (as per category of land required- common property, government, public land, private land, type of land acquisition process proposed to be adopted), explaining why the selected land must be acquired for use by the project; (b) the area/ corridor or zone of impact of such components or activities including its justification; (c) the scope and scale of land acquisition and impacts on structures and other fixed assets and the time within the project cycle when the land would be required; (d) any project-imposed restrictions on use of, or access to, land or common property resources; (e) assessment of alternatives considered to avoid or minimize displacement and why those were rejected; and (f) the mechanisms established to minimize displacement, to the extent possible, during project implementation.
- 3. <u>Objectives.</u> The main objectives of the resettlement program and the principles guiding compensation for land acquisition and involuntary resettlement
- 4. <u>Census survey and baseline socioeconomic studies</u>. The findings of a household-level census identifying and enumerating affected persons, structures and other fixed assets likely to be affected by the project.
- 5. <u>Legal framework</u>. Analysis of the review of the existing legal-policy framework governing: (a) the scope of the power for compulsory acquisition, use of eminent domain and imposition of land use restriction (b) the nature of compensation, valuation methodologies and timing of payment; (c) applicable legal and administrative procedures, including a description of the remedies available to displaced persons in the judicial process and the project specific grievance redress mechanisms; (c) laws and regulations relating to the agencies responsible for implementing resettlement activities; and (d) analysis of policy gaps, between national-local laws and practices covering land acquisition, imposition of land use

<sup>&</sup>lt;sup>2</sup> Alternatively, the Firm could use the structure of RAP proposed under Annex A of ESS5 of the World Bank Environment and Social Framework.



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restrictions, provision of resettlement and ESS5, and the measures being proposed to bridge these gaps.

- 6. <u>Institutional framework.</u> The findings of an analysis of the institutional framework covering: (a) the identification of agencies responsible for resettlement activities and NGOs/CSOs that may have a role in project implementation, including providing support for displaced persons; (b) an assessment of the institutional capacity of such agencies and NGOs/CSOs; and (c) any steps that are proposed to enhance the institutional capacity of agencies and NGOs/CSOs responsible for resettlement implementation.
- Identification and Eligibility of PAPs. Definition and identification of displaced persons, criteria for determining their eligibility for compensation and other resettlement assistance, including relevant cutoff dates.
- 8. <u>Valuation of and compensation for losses</u>. The methodology to be used in valuing losses and determining their full replacement costs including supplementary measures necessary to achieve replacement cost; description of the proposed types of compensations based on land, assets or access related restrictions imposed by the project.
- 9. <u>Community participation</u>. Strategies for involvement of displaced persons: (a) a description of the strategy for consultation and participation of, displaced persons in planning and implementation of resettlement activities; (b) summary of suggestions and how these views are incorporated into the resettlement plan; (c) review of resettlement alternatives presented and choices made by displaced persons; and (d) institutionalized arrangements by which displaced people can communicate their concerns to project authorities throughout planning and implementation, and measures to ensure that such vulnerable groups as indigenous people, ethnic minorities, the landless, and women are adequately represented and have voice/ platform to express views/ grievances.
- Implementation schedule. An implementation schedule providing anticipated dates for displacement, and estimated initiation and dates for all fixation of compensation, its disbursement, and completion of all resettlement activities.
- 11. <u>Costs and budget</u>. Tables showing categorized cost estimates for all resettlement activities, including allowances for inflation, population growth, and other contingencies; timetables for expenditures; sources of funds; and arrangements for timely flow of funds, and funding for resettlement, if any, in areas outside the jurisdiction of the implementing agencies.
- 12. <u>Grievance redress mechanism.</u> Description of affordable and accessible procedures for third-party settlement of disputes arising from displacement or resettlement
- 13. <u>Monitoring and evaluation.</u> Arrangements for monitoring RAP, including displacement and resettlement activities, supplemented by third-party monitors as considered appropriate to ensure complete and objective information; performance monitoring indicators to measure outputs of various resettlement activities; tracking involvement of displaced persons in monitoring process; evaluation of results.
- 14. <u>Arrangements for adaptive management.</u> Using the flexibility offered under the new ESF, the plan should include provisions for adapting resettlement implementation in response to unanticipated changes in project conditions, or unanticipated obstacles to achieving satisfactory resettlement outcomes.

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