

Terms of Reference (TOR)
for
Consulting Services for Conducting Social Assessment Surveys, Preparation, Upgradation and Implementation and Monitoring of Resettlement Plan for the Proposed Grid Substations and Transmission Lines under 'Expansion and Strengthening of Power System Network Project under Chattogram Area'

1. Introduction:

The demand of electricity is increasing rapidly in Bangladesh. To meet this growing demand of electricity all over the country, massive plan has been taken to install power plants throughout the country. Some of these plants have started to come into operation. Considering the upcoming generation plants, a study of the transmission network has been done and it has been found that a considerable numbers of grid substations and transmission lines will be overloaded. Also, a number of existing grid substations are having difficulties for aged equipment's and unconventional designs.

These substations required renovations and modifications from small scale to large scale. Moreover, the maximum demand of electricity is expected to be 40000 MW in 2030 according to the Power System Master Plan (PSMP)-2016. To supply this huge demand, construction of new 400/230/132 kV, 230/132 kV&132/33 kV substations will be required all over the country.

In view of that, Power Grid Company of Bangladesh Ltd., with support from Asian Infrastructure and Investment Bank (AIIB) will implement a project named **"Expansion and Strengthening of Power System Network Project under Chattogram Area"**. The objective of the project is mentioned below:

1. To transmit electrical power from upcoming power station to load center at Chattogram.
2. To strengthen power transmission system in chattogram area along with ensuring reliable and efficient power supply.

The scope of work of this project is described below:

Package-01:

- a. Anowara – Anandabazar 400kV over Head Line (19.932 km).

Package-02:

- a. Anowara – Anandabazar 400kV Underground Line (5.253 km).
- b. Madunaghat – Khulshi 230kV Underground Line (14.580 km).
- c. Khulshi-Anandabazar 230kV Underground Line (6.10 km).
- d. Anandabazar-Rampur 230kV Underground Line (3.77 km).

Package-03:

- a. 230/132kV GIS substation at Anandabazar (New Mooring) with 2x350/450MVA, 230/132kV transformer.
- b. 230/132/33kV GIS substation at Khulshi with 2x350/450MVA, 230/132kV and 3x80/120MVA, 132/33kV transformer.
- c. Constructing two 230kV GIS bay extensions at Madunaghat substation.

For environment and social safeguards, due diligence has been conducted, ESIA and resettlement plan (RP) have been prepared for environment and resettlement respectively and disclosed on the PGCB



website.¹ However, based on the final line route, PGCB should review the final design and confirm if any change in alignment that would require an update of the ESIA— only if there is a change in design or unanticipated impact does it need to be updated. Also, a detailed social impact assessment has to be completed to prepare update RP. After approval of the updated RP, by AIIB, the Consulting Firm will implement it along with EPC Contractor and PGCB during construction of the physical activities of the subprojects.

The project will be implemented in accordance with all the applicable national and international environmental and social rules and regulations and the Environment and Social Framework of AIIB. Specifically, the project will be implemented in accordance with the project's environmental and social management provisions described in the ESIA/EMP and RP. Total resettlement activities are expected to be completed within 30th June 2024.

2. Objective of the Assignment:

The objective of the consultancy services is to implement social safeguard requirements in accordance with AIIBs ESF, other relevant corporate guidelines and the relevant laws and regulations of the Government of Bangladesh, for the construction and operation of the new transmission lines, substations and associated facilities under the project. This consultancy's main objectives are to assist PGCB's PMU to update the RP, support and monitor the implementation of RP by PGCB and collaborate with PGCB to ensure that the project complies with AIIBs Environmental and Social Standards. The consultancy firm in collaboration with PGCB will propose corrective measures to ensure compliance. Broadly the consultant on behalf of PGCB shall prepare and update (i) the RP and the ESIA; (ii) actively participate oversee and monitor the implementation of the RP.

3. Scope of Work

In accordance with relevant laws and policies of Bangladesh and AIIB, the consultant will undertake tasks including but not limited to the following:

Land Acquisition, Resettlement and Rehabilitation: Updating of the existing ESIA and RP and RP Implementation.

- Scope of Physical and Economic displacement: Identify and assesses the scope of impact on each affected unit including but not limited to households and business structures located in the final alignment. Specifically, identify affected structures, tower footing and substations land, trees and crops associated with affected households/persons including non-titleholders, community property resources, businesses, labourers, renters etc. The assessment should also include an inventory of losses.
- Assess the size and impact of labour influx in the project sites focusing on Gender and GBV considerations.
- Develop the projects relocation and livelihood restoration strategy.
- Identify vulnerable entitled households/persons and severely affected households/persons as per the definition outlined in the Resettlement Policy Framework for providing additional assistances.
- Identify primary and secondary stakeholders and carry out meaningful consultation focusing on topics such as nature of the project, relevant laws and policies, entitlement matrix, GRM, RP

https://web.pgcb.gov.bd/esia_reports/1/download



and timelines. Concerns should be incorporated in designing and updating compensation packages.

- Gap analysis between applicable laws and AIIB policy.
- Develop the Institutional and Implementation arrangement for RP implementation.
- Collect and computerize all resettlement related data, including census, inventory of losses, socioeconomic data etc to prepare a resettlement databank and prepare GIS map based on the KMZ file. Maintain relevant pictures, files and records of the affected households/persons.
- Prepare implementation timeline including resettlement and livelihood restoration implementation plan timeline as per ground situation.
- Update and prepare the RP based on the latest data and information collected.
- Prepare entitlement cards/compensation agreements for each affected household. The selected Consulting Firm will assist PGCB in processing entitlements for the entitled persons (EPs) and making payment of compensation/resettlement benefits to them. The Consulting Firm will compile & process data and develop & operate a menu driven computerized Management information System (MIS), prepare Entitled Persons' (EP) files with type and quantity wise losses and Entitlement Card (EC) mentioning amount of compensation/benefits for each of the EPs and prepare indent mentioning category wise amount of compensation/benefits.
- Guide affected households/persons on entitlements and benefits of each option as mentioned in the RP especially in the entitlement matrix and Rehabilitation and Restoration package (R&R) sections and advice how to use their compensation money in productive ventures.
- Help affected persons in opening of their bank accounts for compensation and advise them how to arrange credit/grants for income generation or livelihood restoration as needed.
- Assist affected households/persons in identifying and selecting alternative place/land/location for resettlement as needed.
- Facilitate linkages with relevant agencies such as the DCs office, department of agriculture or department of agricultural extension services for affected persons to participate and benefit from tree planting programs or programs that introduce alternate crop varieties including related training programs conducted by those agencies.
- Review, appraise and update the already completed social impact assessment studies from a social impact/risk aspect and recommend the most feasible process of payment of compensation along the RoW for loss of assets (crops, trees, structure etc) following the AIIB safeguard policies and Government's policies in consultation with PGCB (TL route and Substation location in an annexure.
- Determine the replacement costs of all categories of losses; and prepare a Resettlement Action Plan (RP) for payment of compensation for losses along RoW of the transmission lines and substation locations with specific sourcing and approval process. Assist the process of compensation payments to ensure that the process is following the AIIB guidelines.
- Prepare budget to estimate the cost of land acquisition and resettlement and rehabilitation.

Environmental and Social Monitoring.

- Review the RP, ESIA, DPP, the final design and reconfirm if any further change in alignment that would require an update of the ESIA/ESMP and RP documentation.
- Monitor the timely disbursement of compensation and other entitlements and verify that the amount is provided at replacement cost based on the as per the RP.
- Support PGCB and PMU staff in ensuring compliance with loan covenants related to environmental and social safeguards.



- Support PGCB to publicize project notifications, carry out ongoing meaningful consultations (whilst ensuring the safety of all concerned with respect to COVID-19) and disseminate environmental and social information including the assessment through booklets and posters distributed in the project affected areas and communities.
- Support PGCB to review contractor's environment, health and safety documentation, e.g. health and safety plans.
- Support PGCB, PMU staff and the Contractors to undertake community awareness raising activities with particular emphasis on community health and safety issues associated with transmission infrastructure.
- Support PGCB to establish the environmental and social Grievance Redress Mechanism (GRM) and form a grievance redress committee (GRC) including providing training for committee members.
- Support operationalization of the GRM implement the GRM with proper record keeping of all grievances however minor and support PGCB and Contractor in promptly responding to any grievances raised.
- Conduct meaningful consultations with community.
- Ensure PCGB or their contractor has obtained all necessary statutory clearances and permits.
- Liaise with various officials of government, PGCB, PMU staff and the Contractors to ensure they fully understand national requirements, international good practices for environmental management, and the ESIA/ESMP and RP measures to be implemented during pre-construction, construction, and operation, including provision of formal training and capacity building activities to help them understand AIIBESF, ESIA/ESMP and RP requirements. Fill any capacity gaps identified.
- Visit the project sites, oversee quantitative environmental monitoring activities by contractors, to confirm appropriate methodologies being used and results correctly interpreted, and consult potentially affected people about the environmental nuisances.
- Randomly interview the labors about health and safety compliance.
- Provide environmental and social safeguards inputs to the quarterly project progress report (QPR) to be submitted by PGCB to AIIB.
- Prepare the semi-annual E&S monitoring reports in a form agreed with AIIB.
- Supervise the implementation of the ESIA/EMP and RP.
- Update the ESIA and RP as necessary if any unanticipated impacts or changes in the scope of the project (including project scope, location or design changes) occurs during project implementation, such updates should be submitted by PGCB to AIIB for clearance and disclosure on the AIIB's website.
- Discuss findings with PGCB to resolve any issues or problems on implementing ESMP and RP. If there are concerns or non-compliance events, discuss with PCGB the issues/problems arising and prepare a corrective action plan with necessary actions to be taken by PGCB and the EPC Contractors for approval by AIIB in order to bring the project back into compliance with national requirements and AIIB. Immediately report to PCGB to inform AIIB within 24 hours any major concerns identified, such as, fatalities.
- On project completion produce a final report detailing the history of environmental and social performance on the project and final compliance of the project with the ESIA/EMP and RP requirements.



Staff requirements

The Consulting Firm which shall be national one is free to determine the number of members working in the team. Contract type will be lump sum contract. The consulting firm shall have at least 10 years of experience in the implementation of social safeguards plans on major construction projects including transmission lines and substation construction. The firm shall have social consultants with relevant qualifications and expertise. Experience in implementing similar projects in Bangladesh supported by multilateral financial institutions will be an advantage. The approach and methodology for implementing the TOR, the qualifications and experience of the consulting firm and its individual experts will need to be detailed by each shortlisted firm in their proposal. The team composition of the key individual experts to be provided, along with an estimate of their person months is provided in Table 1.

Table 1. Indicative Expertise

Type of staff	Minimum educational qualification	background	Overall experience	Specific experience and responsibilities
Social Development Specialist (Team leader, 12 person months)	Master degree	Masters in anthropology, sociology, applied social science, or other related fields. Bachelor's degree combined with specialized experience in similar organization/s, may be considered in lieu of a master's degree.	At least 10 years experience in the relevant field	The Team Leader is the spokesman for the Consulting Firm. He/She shall have relevant experience in preparation of ESIA and RP and implementation of RP, report writing etc. and must be fluent in English. He will maintain liaison with PGCB officials
Environment, specialist (deputy team leader, 6 person months)	Master degree	Masters degree in environmental science, environmental management, or other related field. Bachelor's degree combined with specialized experience in similar organization/s,	At least 10 years experience in the relevant field	The specialist will supervise and monitor implementation of the ESIA/EMP and will take responsibility for reporting to PGCB with relevant environment safeguard deliverables.
Social field officers (total 36 person months)	Bachelor degree	Preferably Social Science	At least 5 years experience in the relevant field	The field officers will be responsible for socio economic survey, collecting and supporting information dissemination including consultations. Also, the field officers will educate the affected people on the entitlement and provide livelihood support. The field officers will take the lead in preparation including development of methodology, protocols and questionnaires and administration of the socio-economic survey. In addition, the field officers work as a liaison between PMU and relevant agencies to undertake these surveys. The field officers will recruit, train and prepare enumerators for conducting the surveys and take lead in data analysis, presentation and finalization of the survey findings in a format acceptable to PMU and AIIB. Lastly, the specialist will provide inputs for the team leader to each report. He/she will assist MIS Specialist in preparation of data in tabular format.
MIS specialist(6 person months)	Bachelor degree	Computer Science/Mathematics/ Statistics	At least 5 years experience in the relevant field	Will be responsible for updating/preparation of user-friendly menu driven software as per survey forms for computerization, editing and analyzing of data. Create data entry screen and ensure data entry without error. Prepare report in tabular format as approved by PGCB. Updating/



Type of staff	Minimum educational qualification	background	Overall experience	Specific experience and responsibilities
				modifying table as per demand of PGCB is also responsibility of the MIS Specialist.

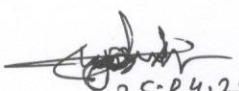
5. Deliverables

Table 2. Indicative List of Reports

No	Activity	Due by Month
1	Inception report with survey design, questionnaire reporting plan, and methodology	XX
2	Draft RP and social impact assessment report including socioeconomic, census, inventory of all permanent and temporary assets and income losses by substations and along the RoW of the transmission line and estimation of compensation of all losses following RP and the government of Bangladesh's laws and policies.	Xx
3	Final inventory of loss and estimated compensation, and manual on process of payment of compensation. DVD of video filming (two copies) to be submitted by the end of week four after filming. The video filming will cover all structures within the right of way/selected area and will be edited as per instruction of the PMU.	Xx
4	Updated resettlement plan	xx
5	Summary of environment and social safeguards implementation status as an input to monthly project progress reports	Monthly
6	Summary of environment and social safeguards implementation status as an input to quarterly project progress reports	Quarterly
7	Semi-annual environmental and social monitoring reports including details on compensation payment and certification	Semi annually
8	Environmental compliance monitoring report for Department of Environment	Annually

6. Duration of Engagement

The duration of the consultancy is 36 months up to completion of project from the signing of the contract or the date of actual completion of payment of compensations. Minimum man-month that the firm shall be engaged is 48.


 25.04.2021
 Mohammad Jashim Uddin
 ID No: 00264
 Project Director
 ESPNCA Project
 PGCB