

Government of the People's Republic of Bangladesh
Electrification at Bhasanchar of Noakhali District
Bangladesh Power Development Board
Biddut Bhaban (level-04), Abdul Gani Road, Ramna, Dhaka
www.bpdb.gov.bd

Memo No: 27.11.0000.535.04.002.25-46

Date: 12/02/2025

Country: Bangladesh

Name of the Proposed Project: Electrification at Bhasanchar of Noakhali District under Host and Rohingya Enhancement of Lives Project (HELP)

Grant Number.: E325-BD

WB Project Id: P501274

REQUEST FOR EXPRESSIONS OF INTEREST
For Selection of Environmental Specialist (Individual, National)
(Package Number: SD-2)

1. The Government of the People's Republic of Bangladesh (GoB) has received grant from the International Development Association (IDA) towards the cost of Individual Consultant (Environmental Specialist) Facility under the Electrification at Bhasanchar of Noakhali District under Host and Rohingya Enhancement of Lives Project (HELP) program to be implemented by Bangladesh Power Development Board and intends to apply a part of the proceeds of this grant for the services of an individual Environmental Specialist Consultant.
2. **Scope of Services:** The Scope of Services of the Consultant includes, but not limited to the following:
 - a) **Environmental Safeguard Coordination and Supervision:** The Environmental Specialist will assist the PD in coordinating and supervising all environmental safeguard activities, ensuring quality control, and liaising with field-based Environmental Specialists, EST, PD, and relevant stakeholders. This includes reviewing and endorsing environmental screening and site-specific assessments, especially for sensitive ecosystems and social sensitivities.
 - b) **ESMP Implementation and Monitoring:** The Environmental Specialist will oversee the implementation of the Environmental and Social Management Plan (ESMP) by contractors and EST, ensuring that environmental mitigation measures are properly planned and executed. They will conduct regular site visits, monitor the implementation of Environmental Code of Practices (ECOPs), and ensure that environmental monitoring reports are prepared and submitted to the World Bank.
 - c) **Training, Public Consultation, and Stakeholder Engagement:** The Environmental Specialist will lead training efforts to build capacity in environmental safeguards among contractors, field staff, and stakeholders. They will also coordinate public consultations during project preparation and implementation and address any grievances received through the Grievance Redress Mechanism (GRM), ensuring that concerns are reflected in the project's implementation.
 - d) **Technical Support, Compliance, and Advice:** The Environmental Specialist will provide technical advice to the PD on environmental safeguard matters, finalize the Terms of Reference (TOR) for the Cumulative Impact Assessment (CIA), and ensure environmental clearance processes are completed. They will also manage compliance issues, ensure contractual obligations for environmental safeguards are met, and guide the PIU in addressing major safeguard challenges and enhancing capacity.
3. **Duration:** Duration of the consultancy services shall be 6(six) man-months as need basis within the project period.
4. **Selection Procedures:** Bangladesh Power Development Board now invites the eligible Applicants to submit the Expressions of Interests (EoI) for providing the services. The Interested Applicants need to provide information demonstrating that s/he has the required qualifications and relevant experience to perform the services. The selection criteria are:
 - i. B.Sc./Master's in Environmental Engineering / Forestry / Wildlife / Environment Science or related field.
 - ii. At least 10 years of minimum experience as Civil/Environment Engineer/ Environmental Scientist/ Forestry expert/ Environmental Planner or related field and at least 5 years of



experience as Environmental Specialist in conducting environmental assessments of energy, road, water, wastewater or other infrastructure sector of similar nature and complexity. Experience must include at least one World Bank/ADB / other development partner funded project or UN agencies.

- iii. Expertise in the project area is preferred.
- iv. Having experience in Environmental Clearance is an added advantage.
- v. Prior experience preparing one or more Environmental and Social Impact Assessments (ESIAs), Environmental Management Plans (ESMPs) or Environmental and Social Management Frameworks (ESMFs) in accordance with World Bank Safeguard Policy requirements is a plus.
- vi. Excellent verbal and written communication skills in both Bangla and English.

Applicants are required to submit their Expressions of Interest (EOI), comprising of a CV (including employment history with duties and responsibilities) (as per attached format) and a forwarding letter describing briefly the reasons that the applicant considers him/her-self best suited to perform the assignment. Applicants are also requested to submit Indicative Remuneration & Expenses (as per attached format).

5. The attention of interested Consultants is drawn to paragraphs 3.14, 3.16, and 3.17 of the World Bank Procurement Regulations for IPF Borrowers, Fifth Edition, September 2023 (“Procurement Regulations”), setting forth the World Bank’s policy on conflict of interest.
6. Detailed Terms of Reference (ToR) and additional information can be obtained upon request via email at pd.eob.bpdb@gmail.com or in person at the project office. The ToR, along with relevant attachments is also available on the BPDB website at www.bpdb.gov.bd.
7. The consultant will be selected following the Selection of Individual Consultant method of the World Bank Procurement Regulations.
8. Expression of Interest needs to be submitted (either through e-mail or in person or by mail) to the undersigned office by 14:00 hours BST on 05 March, 2025. Please clearly mention “Expression of Interest (EOI) for selection of Environmental Specialist (Individual, National) (Package Number: SD-2) in the e-mail’s subject line or on the top of the envelope.
9. The authority reserves the right to accept or reject any or all EoIs without assigning any reason, whatsoever.

Baker
12/02/25

(Muhammad Ali Baker)
Project Director

Electrification at Bhasanchar of Noakhali District
Bangladesh Power Development Board, Dhaka
Email: pd.eob.bpdb@gmail.com

Memo No: 27.11.0000.535.04.002.25-46

Date: 12/02/2025

Copy for information & necessary action to:

1. Secretary, Power Division, Ministry of Power, Energy and Mineral Resources, Dhaka;
2. Chief Executive Officer, BPPA, Dhaka;
3. Member, Admin/ Finance /Generation/ Distribution/P&D, BPDB, Dhaka;
4. Chief Engineer, PSC/Generation/ P&D, BPDB, Dhaka;
5. Chief Engineer, Distribution South Zone, BPDB, Chattogram;
6. Controller (Finance & Accounts), BPDB, Dhaka;
7. C.S.O. to Chairman, BPDB, Dhaka;
8. Director, Renewable Energy and R & D/ Design & Inspection - 2/ Purchase/ System Planning/ Project Planning/ Program/ Finance/ Contract & C.A, BPDB, Dhaka;
9. Superintendent Engineer, Noakhali, BPDB;
10. Director Public Relation, BPDB, Dhaka. (With a request to take necessary action to publish the notice);
11. Senior System Analyst, BPDB Dhaka, (With a request to publish the EOI notice & TOR at BPDB Website);
12. Office copy.

Form A. Curriculum Vitae (CV) of the Applicant

| | | | | |
|----|---|--|---------------------------------|-----------------------------------|
| 1 | PROPOSED POSITION FOR THIS PROJECT : | <i>[From the Terms of Reference, state the position for which the Consultant will be engaged.]</i> | | |
| 2 | NAME OF PERSON : | <i>[state full name]</i> | | |
| 3 | DATE OF BIRTH : | <i>[dd/mm/yy]</i> | | |
| 4 | NATIONALITY : | | | |
| 5 | MEMBERSHIP IN PROFESSIONAL SOCIETIES | <i>[state rank and name of society and year of attaining that rank].</i> | | |
| 6 | EDUCATION | <i>[list all the colleges/universities which the Applicant attended, stating degrees obtained, and dates, and list any other specialised education of the Applicant].</i> | | |
| 7 | OTHER TRAINING | <i>[indicate significant training since degrees under EDUCATION were obtained, which is pertinent to the proposed tasks of the Consultant].</i> | | |
| 8 | LANGUAGES & DEGREE OF PROFICIENCY | <u>Language</u> | <u>Speaking</u> | <u>Reading</u> <u>Writing</u> |
| | | <i>e.g. English</i> | <i>Fluent</i> | <i>Excellent</i> <i>Excellent</i> |
| 9 | COUNTRIES OF WORK EXPERIENCE | | | |
| 10 | EMPLOYMENT RECORD | <i>[The Applicant should clearly distinguish whether as an "employee" of the firm or as a "Consultant" or "Advisor" of the firm].</i> | | |
| | <i>[starting with present position list in reverse order [every employment held and state the start and end dates of each employment]</i> | <i>[The Applicant should clearly indicate the Position held and give a brief description of the duties in which the Applicant was involved].</i> | | |
| | EMPLOYER 1 | FROM: <i>[e.g. January 2010]</i> | TO: <i>[e.g. December 2011]</i> | |
| | EMPLOYER 2 | FROM: | TO: | |

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| | | |
|---|--|-----|
| EMPLOYER 3 | FROM: | TO: |
| EMPLOYER 4 (etc) | FROM: | TO: |
| 11 WORK UNDERTAKEN THAT BEST ILLUSTRATES THE CAPABILITY TO HANDLE THIS ASSIGNMENT | <i>[give an outline of experience and training most pertinent to tasks on this assignment, with degree of responsibility held. Use about half of a page A4].</i> | |
| 12 COMPUTER SKILL | | |

CERTIFICATION
[Do not amend this Certification].

I, the undersigned, certify that (i) I was not a former employee of the Client immediately before the submission of this proposal, and (ii) to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

| | | | |
|-----------------|--|--|--|
| Signature | | | |
| Print name | | | |
| Date of Signing | | | |
| dd / mm / yyyy | | | |

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Form B. Indicative Remuneration & Expenses

The Consultant should provide an indication of the remuneration as per the format shown below. This will not be used for evaluation of the Consultant's Application but solely for the purposes of Application Negotiations.

| SL. No. | Package No. | Description of Expert/Item | Unit | Quantity | Estimated Cost (BDT) | | Procurement Method & Type | Remarks |
|---|-------------|--|-----------|----------|----------------------|-------------|---------------------------------|---|
| | | | | | Unit Price | Total Price | | |
| 1. | SD-2 | Individual Consultant: Environmental Specialist | Man-month | 6 | | | EOI (Expression of Interest) | Estimated cost includes 10 round trips to Bhasanchar and all related overhead expenses. |
| Total Cost in BDT (Excluding AIT & VAT) | | | | | | | | |
| AIT (10%) | | | | | | | | |
| VAT (15%) | | | | | | | | |
| Total | | | | | | | | |

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**Terms of Reference (TOR)
of ENVIRONMENTAL SPECIALIST
For**

**"Electrification at Bhasanchar of Noakhali District under Host and Rohingya
Enhancement of Lives Project (HELP)"**

• **Background:**

The mass fleeing of hundreds of thousands of Forcibly Displaced Myanmar Nationals (FDMNs) risking their lives by sea or on foot, in order to avoid the death or persecution in the northern Rakhine province of Myanmar (Burma) for neighboring Bangladesh since August 2017 has caused the advent of the World's fastest growing refugee crisis. About 10.00 lac FDMNs have crossed the border from Myanmar to several camps across Cox's Bazar District. It has placed an immense strain on the existing infrastructure and on an already resource-constrained social service delivery system and the environment.

In order to provide shelter to the forcefully displaced Myanmar nationals (FDMNs), the Government of Bangladesh has taken up the processes by Bangladesh navy to arrange safe housing in Bhasanchar named "Ashrayan-3" which was undertaken in 2017. "Ashrayan-3" aims to create a habitable environment for one lakh forcibly displaced Myanmar national and build the necessary infrastructures to ensure the security of the island. Already more than 33,983 (UNHCR, February-2024) FDMNs have been shifted to the housings of Bhasanchar. At present, there, the electricity demand is about 3.20 MW and it will increase up to 5.20 MW in future as the shifting of FDMNs increases. The electricity demand can go up further while the necessary infrastructures related to "Ashrayan-3" project will be built.

In the above backdrop, "Host and FDMNs/DRPs Enhancement of lives through a Multi-Sectoral Approach Project (HELP)" project aided by World Bank with the objective to provide greater protection for the FDMNs in times of natural disaster and improve social life by electrification and other facilities to the FDMNs have been undertaken. Bangladesh Power Development Board intends to apply its part through the project titled "Electrification at Bhasanchar of Noakhali District".

Key components of the project are:

- a) Solar Power Generation: Supply, installation, and commissioning of photovoltaic modules (Mono Crystalline) achieving a cumulative output capacity of 10 MWp (DC).
- b) Inverters: Supply, installation, and commissioning of grid-tied inverters achieving a cumulative minimum output capacity of 8 MW (AC).
- c) Battery Energy Storage System (BESS): Installation of a BESS with a total capacity of 16 MWh.
- d) Fossil Fuel Backup: Installation of a diesel generator for backup power when renewable energy generation and storage cannot fully meet demand.
- e) Balance of System (BOS): Installation of BOS components for BESS, including Battery Management System, container, climate control, fire suppression system, and related components.
- f) Civil Works: Comprehensive civil works including all types of surveys, soil tests, excavation and development, internal road construction, fencing, and drainage system. The structural elements of solar power generation infrastructure are reinforced (with elevated platform and adequate foundation) to ensure resilience to expected climate change impacts: storm surge, extreme precipitation, and high wind.
- g) Distribution System: Development of an associated distribution system at Bhasanchar with end-mile connections.
- h) Testing and Commissioning: Installation, testing, and commissioning of the entire 8 MW (AC) Hybrid Power Plant.

The components would cover Bhasanchar, Noakhali district of Bangladesh.

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- **Environmental Issues:**

The Project will include construction of 8 MW (AC) /10 MWp (DC) Off Grid Solar Power Plant associated with battery back-up and associated with distribution system with end mile connection. So, there will be long power evacuation lines, distribution lines, internal access roads solar plant with associated equipment etc. within this project.

The project is classified as Category “YELLOW” as per environmental impact wise project. There are also natural disaster related risks such as land slide, flooding, soil erosion, water and soil contamination etc. World Bank (WB) Environmental and Social Framework (ESF) will be followed by the project and the project is anticipated to trigger Environmental and Social Standard 1 (ESS1), ESS2, ESS3, ESS4, ESS 6, and ESS10 as per ESF of WB.

The BPDB intends to hire Environmental Specialist under Selection for Individual Specialist (with Open market approach) following World Bank Procurement Regulations for IPF Borrowers (Fifth Edition, September 2023) for services to address the environmental issues. It will be financed by World Bank and duration of the assignment is for 6 man-months as need basis.

- **Objectives:**

The main objective of Environmental Specialist is to: 1) oversee and coordinate on environmental safeguards implementation, 2) ensure the quality of screening and approve it, 3) confirm proper implementation of environmental and Social Management Plan (ESMP), 4) consolidate information and report to WB through Project Director (PD), 5) manage contractual obligation on environmental safeguard, 6) provide training to the contractor and field level staff, PIU and relevant HQ level stakeholder, and assist Environmental safeguard Team (EST) under design and supervision firm for preparation and provision of the trainings, 7) Finalizing the TOR of Cumulative Impact Assessment (CIA), 8) provide technical advice to PD on ensuring environmental safeguard. The assignment includes the following tasks:

- a) Overall coordination and supervision on environmental safeguard.
- b) Lead the environmental and occupational health and safety related activities of the subproject.
- c) Review and endorse the Environmental Screening/ Site-specific Assessment report (e.g., Environmental and Social Impact Assessment/ESIA including ESMP to prepared following the guidance of ESMF)
- d) Provide support and supervision of ESMP including contractor’s ESMP implementation.
- e) Monitoring and Reporting.
- f) Management of contractual obligation on environmental safeguard.
- g) Provide support to the Environmental Clearance activities including preparation of IEE document of this project.
- h) Training provision.
- i) Finalizing the ToR of CIA.
- j) Provide guidance to environmental safeguard team under design and supervision firm.
- k) Technical advice to Project Director (PD).
- l) Co-ordination with environmental safeguard Specialists of other components.

- **Scope of Work:**

- a. **Overall coordination and supervision on environmental safeguard:**

While PD has overall responsibility of the project including safeguard, Environmental Specialist will be responsible to assist the PD for completing all activities/tasks, its quality control and overall coordination associated with environmental safeguard with field based Environmental Specialist, EST, PD and other relevant stakeholders.

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b. Review and endorsement of environmental screening/ site-specific assessment report:

Environmental Specialist shall review and update/approve the Environmental Screening/Site-specific Assessment which may have carried out by Environmental Safeguard Team (EST) under design and supervision firm and reviewed by field-based Environment Specialist employed by PIU. Particular attention should be given on the sensitive ecosystems such as remaining forests and physical cultural resources as well as any social sensitivity in the project area. The Environmental Specialist shall coordinate with PD as necessary on the further actions required based on the screening result.

c. Providing support and supervision of ESMP implementation:

ESMP implementation is responsibility of Contractor and EST as well as Environmental Specialist has primary responsibility of ensuring ESMP implementation at the field. Since the ultimate responsibility of ensuring environmental safeguard implementation falls with the PD, the Environmental Specialist will guide and consult with the EST regularly and as necessary regarding the issues on ESMP implementation identified by Environmental Specialist.

- i. For significant physical intervention, during pre-construction, Environmental Specialist shall review the detail project design/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.
- ii. For significant operation, the Environmental Specialist will regularly visit the project sites to monitor the implementation of Environmental Code of Practices (ECoPs)/ESMPs and provide input to prepare specific monitoring report.

d. Monitoring and reporting:

- i. Environmental Specialist will review the draft environmental monitoring report to be prepared by EST. 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 safeguard such as environmental monitoring report including environmental sampling results and non-compliance issues, implementation status of site-specific environmental management plans, screening report for significant 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.

e. Management of contractual obligation on environmental safeguard:

- i. Environmental Specialist shall ensure that the safeguard obligation of the project will be duly reflected into the legal agreement with contractor. Such obligation would include implementation of ESMF and sub-sequent site-specific safeguard instruments. Environmental Specialist will approve the contractor's ESMPs.
- ii. Environmental Specialist with assistance from Environmental Specialist and EST and in coordination with Project Director (PD), shall lead to address safeguard related non-compliance issues of contractors according to the project specific non-compliance rectification procedures.

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f. Environmental Clearance:

The environmental specialist shall give full support to the Project Director to get Environmental Clearance of this project from the concerned authority.

g. Training Provision and support:

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

h. Public Consultation/GRM:

- i. Environmental Specialist shall coordinate consultation necessary during preparation and implementation of the project. Such consultation includes consultation during preparation on safeguard 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.

i. Finalization of Cumulative Impact Assessment (CIA) TOR:

The Environmental Specialist with consultation and guidance of Project Director (PD) and World Bank shall finalize the TOR of Cumulative Impact Assessment (CIA). He will be responsible for continuous coordination with the CIA firm and report progress to PD.

j. Technical Advice to PD:

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

• **Duration:**

Duration of the consultancy services shall be 6(six) man-months as need basis.

• **Reporting Requirement:**

The Environmental Specialist will be responsible to the Project Director (PD). She/he will assist PD to ensure that all Environmental related reporting is completed on time to enable the Project to meet the deadlines of various GOB authorities and the World Bank. Environmental Specialist will submit the field visit report frequently along with the recommendation for further improvement so that ESMP is properly followed in field.

• **Responsibilities of BPDB:**

BPDB will make experienced officials available and will ensure that the Environmental Specialist has access to all information required and documentation. The BPDB will provide liaison and communicate with other Government Authorities if and when required for performing the job of Environmental Specialist and facilitate different meetings, focus group discussion and workshops based on initial planning. The BPDB will provide administrative

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support for the field visits. Project Director (appointed by BPDB) will provide appropriate office space and other associated logistic facilities to carry out his/her roles and responsibility.

• **Qualification and Experience:**

The Environmental Specialist should have the following qualification:

- i. B.Sc./Master's in Environmental Engineering / Forestry / Wildlife / Environment Science or related field.
- ii. At least 10 years of minimum experience as Civil/Environment Engineer, Environmental Scientist, Forestry expert, Environmental Planner or related field, and at least 5 years of experience as Environmental Specialist in conducting environmental assessments of energy, road, water, wastewater or other infrastructure sector of similar nature and complexity. Experience must include at least one World Bank/ADB / other development partner funded project or UN agencies.
- iii. Expertise in the project area is preferred.
- iv. Having experience in Environmental Clearance is an added advantage.
- v. Prior experience preparing one or more Environmental and Social Impact Assessments (ESIAs), Environmental Management Plans (ESMPs) or Environmental and Social Management Frameworks (ESMFs) in accordance with World Bank Safeguard Policy requirements is a plus.
- vi. Excellent verbal and written communication skills in both Bangla and English.

  