

Minutes of the Pre-bid meeting held on November 14, 2021
RFP-BD-2021-048 for Hiring Firm/Institute for a Feasibility Study for applying PPP model for - climate resilient housing, drinking water options, polder management, vertical agriculture, and climate bonds-EI4NGG

Date: November 16, 2021

Members attended the meeting:

Name	Designation
Mamunur Rashid	Climate Change Specialist, UNDP
Shamsun Nahar Airin	Procurement Associate, UNDP
Samia Aboni	Project Officer, UNDP
Bidders	

With reference to the subject RFP issued on November 09, 2021, please find below the queries raised by Invitees and answers thereto from UNDP Bangladesh:

SL	Queries	Answers
1.	Is it possible to extend the Proposal submission deadline?	The proposal submission deadline is extended up to 30th of November 2021, 4:30 pm (BD time).
2.	Looking at the Scope of work, it appears that the timeline is very short to complete the assignment, is it possible to increase the duration of the assignment?	The timeline will remain 2 months. Please refer to the RFP document.
3.	Kindly clarify, can experts overlap within the components?	Experts assigned for each component shall be unique and study of all components shall be conducted parallelly.
4.	Amendment note: page 8 of the RFP document under – “Minimum Eligibility Criteria for the Key personnel:”	Kindly consider the sentence “International Team Leader and PPP Expert- (minimum 20 days)” as a <u>typo</u> and <u>not required</u> .
5.	Kindly confirm, whether NGO can submit the NGO affair bureau certificate instead of trade license?	Yes. If the bidder is an NGO, they must submit all necessary documents to substantiate the eligibility criteria. NGOs need to submit constitutions approved by relevant GoB authority mentioned as non-profit organization. NGOs also need to submit copy of NBR circulation where it is mentioned that NGOs are exempted from taxes or other relevant duties applicable for-profit making entities.
6.	Clarification of study area of the first component/objective- climate resilient housing-	Climate Resilient Housing for (1) cyclone and salinity; and (2) flood, flash flood and erosion contexts, focusing on southern and northern Bangladesh.

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7.	Clarification of preference of the study site	Bidder should clarify within their proposal their proposed site, where they want to conduct the feasibility study based on the scope of work set for each component.
8.	Scope of work in terms of reference (ToR).	The bidder should follow the <u>Description of Required services</u> in RFP as scope of work for conducting the study, detail in Annex-1 (attached).
9.	In page 24, the roles and responsibility of the team leader.	The team leader will lead and support to conduct feasibility study of the five broader components. It's written four as a typo.
10.	In page 27, the first roles and responsibility of water resource management expert	The role of water resource management expert is to provide inputs to the team in exploring polder management in PPP model

Note: Above Clarifications in response to queries raised during the Pre-bid meeting and amendments shall be an integral part of the RFP document and supersede all provisions as applicable.

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Annex-1

B. Objective of the assignment

The consulting firm/organization/research institute is required to conduct a comprehensive feasibility study of PPP model for climate resilient infrastructural development investment and improving adaptation in five categories, viz- climate resilient housing, drinking water options, polder management, vertical agriculture, and climate bonds. The consulting firm will deliver a technical report on the feasibility study of the below-

- i. Climate Resilient Housing for (1) cyclone and salinity; and (2) flood, flash flood and erosion contexts, focusing on southern and northern Bangladesh.
- ii. Sustainable Drinking Water options focusing on sea level and cyclone induced salinity, wind, and tidal surge in southern Bangladesh.
- iii. Vertical Agriculture option focusing on southern and draught prone areas based on rainwater or other surface water sources in Bangladesh,
- iv. Polder Management in the southern Bangladesh to a selected polder, highly fragile and vulnerable to cyclone and sea level rise.
- v. and potential of Climate/Green/Blue Bond.

The study would entail delivery of comprehensive technical report of the feasibility study of these five components including Technical Feasibility, Project economic/financial feasibility and Environmental, social, and cultural rights of the PPP model.

C. Scope of Work:

C1. Conduct a literature review and secondary document review on climate and climate change attributes of the cyclone, flood, and draught affected areas and livelihood options along with coastal embankment management of Bangladesh

- Identify climate change attributes of flood, cyclone, and draught prone areas of Bangladesh
- Analyze and characterize the current practice of resilient for housing in the south and alternative material and building options
- Analyze and characterize the current practice of livelihood, like drinking water and agriculture and explore possible alternative options.
- Analyze and characterize the existing polder/embankment management system in Bangladesh

C2. Conduct a feasibility study of PPP model for climate resilient housing in cyclone and flooding areas.

- Review the existing support scope, and policies supportive for PPP model, identify the gaps if there is any and provide suggestions towards making the policies much more supportive to build climate resilient housing.
- Review the policies and explore the scope of funding from both the public and private sectors including but not limited to banks, financial institutions, insurance companies etc. towards funding for climate resilient housing.
- Explore the scope of loan product and considering the feasibility prepare the outline of the loan product to be supportive for climate resilient housing.
- Explore options and conditions of the Willingness to Pay (WTP) for taking loan by the house owners and explore their readiness/ability to pay back the loan with interest.
- Explore deciding factors of the loan from banking, financial institutions, and other relevant public entities

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The technical report for the feasibility study for PPP model for Climate Resilient Housing will entail the below Sections:

Technical Feasibility	Project economic/financial feasibility	Environmental, social, and cultural rights
Climate change attribution, Theory of Change, Detailed Outcomes, Outputs, Activities, and Inputs, Technical component design, Detailed engineering/structural design, Results and Resource Framework, Risks Screening and Mitigation Strategy, Project Sustainability Strategy	Economic feasibility [cost benefit analysis, social return of investment analysis], Financial model, Financing Strategy	Ecosystem Health and Ecosystem Services, Heritage (Natural and cultural), Human Rights
C3. Conduct the feasibility study for installing household drinking water system in climate vulnerable saline prone areas		
<ul style="list-style-type: none"> - Review the existing rain-based system for safe drinking water in climate vulnerable saline prone areas, assess the suitability of the drinking water system, identify challenges, and suggest the alternatives if required to address those challenges. - Identify the available low regret, nature based drinking water system nationally and internationally to address the need for alternatives. - Assess the costing for the current and existing drinking water system and costing for installing alternative system. - Assess the Willingness to Pay (WTP) by the users for installing the alternative system; and assess their readiness or ability to pay back the loan support if there is any scope. Explore and develop a loan product based on the WTP of the users and scope within the banks and financial institutions. Develop the criteria for the loan product in consultation with Bank and financial institutions. 		

The technical report for the feasibility study for PPP model for drinking water options for climate vulnerable areas will entail below Sections:

Technical Feasibility	Project economic/financial feasibility	Environmental, social, and cultural rights
Climate change attribution, Theory of Change, Detailed Outcomes, Outputs, Activities, and Inputs, Technical component design, Detailed engineering/structural design, Results and Resource Framework, Risks Screening and Mitigation Strategy, Project Sustainability Strategy	Economic feasibility [cost benefit analysis, social return of investment analysis], Financial model, Financing Strategy	Heritage (Natural and cultural), Human Rights

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C4. Conduct the feasibility for the component: Climate resilient livelihoods, for example vertical agriculture, in coastal, flooding, and draught prone areas

- Review the existing livelihoods pattern in coastal, flooding, and draught prone areas, identify their challenges and scope of possible adaptations and mitigation strategies
- Assess the unit wise loss incurred due to climatic hazards and what could be the alternative livelihoods options for them to address the climatic vulnerability
- Explore the potential for the contract farming and suggest the ways for establishing the forward market linkage to ensure the fair price of their product/yields
- Explore potential agricultural adaptation in the salinity, water logging, flood, and cyclone prone areas with special attention to salinity.

The technical report for the feasibility study for PPP model for climate resilient livelihoods will entail below Sections:

Technical Feasibility	Project economic/financial feasibility	Environmental, social, and cultural rights
Climate change attribution, Theory of Change, Detailed Outcomes, Outputs, Activities, and Inputs, Technical component design, Detailed engineering/structural design, Results and Resource Framework, Risks Screening and Mitigation Strategy, Project Sustainability Strategy	Economic feasibility [cost benefit analysis, social return of investment analysis], Financial model, Financing Strategy	Heritage (Natural and cultural), Human Rights

C5. Conduct the feasibility for the component: adaptation financing, potential of climate bonds for the most vulnerable

- Design a bond for financing the adaptation efforts of the poor and rural community.
- Mapping the existing debt/lending instruments (i.e., loans/bonds) by local, national, and international bodies or authorities, institutions, and private sectors
- Mapping the accessibility of such lending/debt instruments by the climate vulnerable poor
- Critical analysis of the existing climate adaptation financing toolkits and contextualization with respect to Bangladesh.
- Assessing market viability, existing gaps as well as opportunities to be considered for introducing bonds as an instrument for climate financing.
- Identification of climate adaptation financing programs for Bangladesh based on review and critical thoughts.
- Specification of the implementation strategies of the proposed financing strategies.
- Explore and analyse the feasibility of the potential climate adaptation financing for the most vulnerable to climate shock.

The technical report for the feasibility study for PPP model for climate bonds/climate financing will entail below Sections:

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Technical Feasibility	Project economic/financial feasibility	Environmental, social, and cultural rights
Climate change attribution, Theory of Change, Detailed Outcomes, Outputs, Activities, and Inputs, Technical component design, Detailed engineering/structural design, Results and Resource Framework, Risks Screening and Mitigation Strategy, Project Sustainability Strategy	Economic feasibility [cost benefit analysis, social return of investment analysis], Financial model, Financing Strategy	Heritage (Natural and cultural), Human Rights
C6. Conduct an assessment, regarding climate vulnerability, of existing embankment management system of Bangladesh and a feasibility study of Climate adaptive and Sustainable Water Management of coastal Bangladesh and sustainable livelihood options based on coastal embankments.		
<ul style="list-style-type: none"> - Explore, characterize, and analyse the existing embankment management system of Bangladesh - Critically analyse the climate vulnerabilities of the current system - Explore and analyse the feasibility of the potential climate adaptive and Sustainable Water Management of coastal Bangladesh 		

The technical report for the feasibility study for PPP Model for coastal embankment will entail below Sections:

Technical Feasibility	Project economic/financial feasibility	Environmental, social, and cultural rights
Climate change attribution, Theory of Change, Detailed Outcomes, Outputs, Activities, and Inputs, Technical component design, Detailed engineering/structural design, Results and Resource Framework, Risks Screening and Mitigation Strategy, Project Sustainability Strategy	Economic feasibility [cost benefit analysis, social return of investment analysis], Financial model, Financing Strategy	Heritage (Natural and cultural), Human Rights