



**Re-Advertisement  
Call for CV's  
From  
Individual Consultant  
For  
Salinity Intrusion Assessment**

**SNV Netherlands Development Organisation**

SNV is a not-for-profit international development organization. Founded in the Netherlands over 55 years ago, we have built a long-term, local presence in Asia, Africa, and Latin America. Our advisors work with local partners to equip communities, businesses, and organizations with the tools, knowledge, and connections they need to increase their incomes and gain access to basic services. SNV works to empower people to break the cycle of poverty. SNV provides innovative solutions in Agriculture, Water, Sanitation and Hygiene, and Renewable Energy in around 24 countries worldwide. For more information, please refer to our website: [www.snv.org](http://www.snv.org)

**The Dutch Fund for Climate and Development (DFCD)**

The Dutch Fund for Climate and Development (DFCD) will (i) provide finance and Technical Assistance (TA) to business case projects with a focus on climate change adaptation; (ii) mobilize external private sector funding at scale; and (iii) align directly with DFCD Theory of Change (ToC). A substantial allocation of investments will be reserved for OECD DAC Least Developed Countries (LDCs) and other Netherlands development cooperation priority countries (collectively, 'the focus countries'). Investments made by the consortium parties will seek to improve the wellbeing, economic prospects, and livelihoods of vulnerable groups – particularly women and children – and enhance the health of critical ecosystems – from water basins to rivers, tropical rainforests, marshland, and mangroves. The consortium's activities will also help protect communities and cities from the increasing frequency of extreme weather events and benefit depleting biodiversity in areas that provide people with water, food, medicine, and economic opportunity.

SNV is part of the Origination Facility (OF) which is collectively managed with WWF-NL. The OF will work with companies (sponsors) to turn initial ideas into bankable business cases. A lack of early-stage project preparation has been repeatedly recognised as a critical barrier to increasing investment flows. For private sector adaptation challenges are often particularly acute for their core business, as understanding of climate risks is limited and there is a need for working closely with potential project developers. The facility will support projects to the stage where they can then be picked up at low transaction cost by either of the DFCD water or land use investment facilities or undertaken by others. This support consists of technical assistance accompanied with development funding up to EUR 350K. For more information, please refer to the website: [www.thedfcd.com](http://www.thedfcd.com)

**Objectives/Context**

As part of OF, SNV is working with ACI Agrolink to establish sustainable shrimp farming in a remote village of Kaliganj, Satkhira. The intrusion of salinity is a threat to the coastal areas of Bangladesh due to global warming. Moreover, shrimp farming practices in the project location heavily rely upon groundwater extraction, which might contribute to the increased salinity of that area. This study aims to assess the contribution of increased shrimp farming under this project to the level of salinity in the project area.

The consultant is primarily responsible for assistance pertaining to salinity intrusion and shrimp farming in the project location. The purpose of this study is to undertake an assessment of salinity intrusion in case of increased shrimp farming in a remote village of Satkhira district and its impact on agricultural practices of that locality. The role is expected to coordinate all internal and external parties on the assessment of salinity intrusion from shrimp farming practices. The tasks are to be performed under the guidance and supervision of SNV's DFCD Business Development Advisor and

Environment, Social and Governance Advisor. Furthermore, the consultant will work in consultation with other company/sponsor designated staff for this project.

### Activities

- Assessment of the current salinity intrusion scenario of the area/region based on available literature and data
- Determine the impact of increased shrimp farming on the salinity intrusion of that locality under the uncertainty of climate change
- Recommend sustainable ways to reduce salinity intrusion from shrimp farming practices in that area
- Summarize the opportunities, barriers, challenges, risks, and gaps of shrimp farming in traditional and modern ways in that locality

### Deliverables

The Consultant is expected to provide below-mentioned reports as deliverables on top of the hands-on support required and designed for the period.

- Deliverable 1: Inception report (digital copy) within two weeks after contract signing, including detailed work plan and methodology of the assignment.
- Deliverable 2: Draft report with result and concept note developed in accordance with the agreed structure
- Deliverable 3: Presentation of the findings.
- Deliverable 4: Final report with result and concept note developed incorporating the comments from reviewers of the consortium and in accordance with the agreed structure

### Timeframe

The consultant is expected to work for a total of 40 working days. The total duration of the assignment will be a maximum of 4 months after the signing of the contract. Commencement of the services is expected to be started by 10<sup>th</sup> October 2022.

### Qualifications/ Experiences

- Advanced degree in Water Resource Engineering, Geology, or hydrogeology (PhD preferred)
- Extensive experience in Ground water flow modelling/groundwater quality and reactive transport modelling
- Good command in PHREEQC/MODFLOW or relevant programs
- Knowledge about climate change impacts and scope of adaptation and mitigation in Bangladesh
- Fluency in both Bangla and English
- Excellent report writing skill

Personal skills:

- Strong analytical and risk assessment skills.
- Ability to build productive internal and external working relationships with (sub)national stakeholders
- Displays a strong service and client orientation.
- Strong team player.
- Good networking skills.
- Pro-active work attitude
- Strong skills in planning, administration, organising and prioritising
- Excellent English communication skills, both written and verbal.
- Affinity with SNVs mission.

## Reporting Line

The consultant will report to the Environmental, Social and Governance Advisor for each of the deliverables and will work closely with the other advisors, company project managers, and other team members.

## Application

Interested individual consultants (directly or through a firm/organisation) are requested to submit their CV highlighting relevant experiences along with self-declaration form and annexes. Firms/organisation's are also invited to propose consultant. Where only CV's shall be used in the selection process, and that the firm/organisation's experience shall not be considered. Individual consultant shall be selected solely on their CV and the contract will be signed with the selected individuals or Firms/organisation's for their proposed consultant.

Female consultants are highly encouraged to apply for this call.

An electronic copy of the proposal duly signed should be submitted to **bangladesh@snv.org** with the subject line: "**Salinity Intrusion Assessments**" latest by **3 November 2022**.

For any query related to the ToR, please email to Sadeka Tasmin, Environmental, Social and Governance Advisor, Email: to [stasmin@snv.org](mailto:stasmin@snv.org); keep CC [bangladesh@snv.org](mailto:bangladesh@snv.org).

[Click here to download the Self declaration form and annexes - Individuals](#)