

Request for Proposals: No. BORDA/IRQER/2025/RFP-001

Request for Proposals: Implementation of Grey Water Treatment System (GWTS) and Rehabilitation of Sanitary Facilities in Harir District

1. Introduction to BORDA:

Bremen Overseas Research and Development Association [**BORDA**]
People. Innovating. Sanitation.

Since 1977, the Bremen Overseas Research and Development Association [BORDA], a non-profit civil society expert organization headquartered in Bremen, Germany, has provided innovative, demand-oriented support in urban development and in the provision of essential public services. The country office, BORDA-KRI, contributes to improving the living conditions of socially disadvantaged groups by creating and facilitating access to basic needs services such as sanitation, management of urban waters, and water provision while maintaining a safe environment.

Please see: <https://borda-wesca.org/>

2. Project Description:

Innovative and environmentally friendly, Greywater Treatment Systems (GWTS) are designed to efficiently manage wastewater at a local level. GWTS are modular systems that provide treatment capabilities closer to the source of wastewater generation than traditional centralized systems. These systems integrate multiple treatment processes such as filtration, anaerobic digestion, aerobic treatment, and sedimentation. GWTS offers several benefits:

Water Conservation: By recycling greywater (from sinks, showers, and washing machines), these systems reduce the demand for fresh potable water, which is crucial in areas facing water scarcity.

Cost Savings: Reducing the amount of freshwater used for non-potable purposes can lower water bills. Additionally, treating and reusing greywater can extend the lifespan of septic systems and municipal wastewater treatment facilities.

Environmental Protection: Recycling greywater helps reduce the volume of wastewater entering sewage systems, which can decrease the risk of overflows and reduce the environmental impact on local water bodies.

Enhanced Plant Growth: Greywater can be used for irrigation, providing plants with nutrients found in soaps and detergents (if used properly), which can promote healthier and more robust plant growth.

Energy Savings: Treating and transporting greywater uses less energy compared to treating and transporting all wastewater. This can contribute to overall energy savings and reduce greenhouse gas emissions.

Reduction in Pollution: Properly treated greywater has fewer contaminants compared to raw sewage, reducing the risk of pollution and contamination in local water sources.

Resilience: In areas prone to drought or water shortages, greywater systems can provide a supplementary water source, helping to maintain some level of water use and functionality during tough times.

Educational Value: Implementing greywater systems can raise awareness about water conservation and sustainability practices, encouraging more environmentally conscious behavior.

The Grey Water Treatment System (GWTS) to be implemented in Harir is designed to efficiently manage local wastewater treatment needs in a sustainable manner. This system will be modular, integrating sedimentation, anaerobic digestion, aerobic treatment, and filtration processes within a unit. The treated wastewater from the GWTS will be utilized for irrigating trees in a public garden, contributing to the enhancement of green spaces in the community. The project will also include the rehabilitation of a drip irrigation system to ensure efficient water usage.

3. Objectives:

- **Grey Water Treatment System:**

Implement a GWTS system in the Harir district to improve wastewater management and reduce environmental impacts. The treated wastewater will be used to irrigate the trees of the Harir public park and will be an alternative source instead of freshwater consumption. The consultancy will focus on the installation, commissioning, and initial operation of the GWTS and dripping system, ensuring that the system meets the required performance and sustainability standards.

- **Rehabilitation of Sanitary Facilities:**

The objective of rehabilitating the dripping network in Harir public park is to efficiently utilize treated wastewater from our treatment system to irrigate park trees, thus promoting sustainable water use and supporting local greenery. This activity will contribute to more resilient infrastructure, improved environmental stewardship, and the sustainable management of water resources.

4. Essential Duties and Responsibilities:

Please refer to the below ToRs document in Annex-4 (section 3: Scope of work), including the project outcomes, objectives, and required tasks and deliverables.

BORDA - KRI and the Contractor shall keep each other informed on activities and issues that affect the cooperation in general and the implementation of the Service on a timely basis in particular. The Parties shall inform each other of meetings, discussions, and presentations held in other coordination forums related to the project.

Specific roles and responsibilities of BORDA - KRI:

- Focal point of official communication with donor, local and national stakeholders, as well as the community on the ground.
- Overall project management and control.
- Approval of delivered services by the Contractor and payment of services in line with the agreement.

5. Qualifications Required:

The contractor shall have the following qualifications:

- **Technical Experience:** The company should have experience in designing and implementing Grey Water Treatment Systems.
- **Past Projects:** Provide examples of similar projects completed, including scale and complexity.
- **References:** Offer client references and contact information for similar projects.
- **Qualified Personnel:** Key staff should have relevant qualifications and certifications in environmental engineering, wastewater treatment, or related fields.
- **Technical Knowledge:** Demonstrate a strong understanding of greywater treatment technologies and methodologies.
- **Health and Safety:** Compliance with health and safety standards in the design and implementation phases.

6. Proposal Submission Guidelines:

6.1 Technical proposal:

The following integral part is a Request for Proposal and should be sent by email:

1. Authorized locally (Individually or Companies).
2. Certified license.
3. Contractor's CV/Company profile – highlighting experience in similar projects, particularly those involving wastewater treatment and irrigation systems.
4. Detailed project implementation plan with a timeline, including key milestones for the wastewater treatment system and irrigation setup.

6.2 Financial proposal:

All fees for the Implementation of the Greywater Treatment System and rehabilitation of sanitary facilities should be in Iraqi dinar, **IQD only**. (refer to BOQ, to be filled, signed, stamped, and submitted)

6.3 Submission of proposal:

Your offer should be prepared in **ENGLISH**.

The offers must bear your official cover letter, clearly identifying your Agency.

The offers should be submitted by **e-mail**, and all attachments should be in PDF format. offers shall be sent as PDF files to the following email: info.iraq@borda-wesca.org. The offers shall be submitted no later than **11 AM (Iraqi local time) on June 01st, 2025**.

Sending your offers to any other email address will result in rejecting your participation in this call. one PDF file shall be sent for the Technical Offer and another PDF file for the Financial Offer. Your PDF files shall be named as follows:

- a. Your name/Technical offer/ Implementation of GWTS - BORDA/IRQER/2025/RFP-001
- b. Your name/ Financial offer/ Implementation of GWTS - BORDA/IRQER/2025/RFP-001

Any identification of the financial offer in the technical proposal will result in the disqualification of your submitted offer, and it will not be considered in the technical or financial evaluation.

7. Payment terms and Schedule:

No down payment will be made prior to the commencement of work. Payments will be structured as follows:

1. **25% Completion:** 25% of the total contract value will be paid upon completion of 25% of the construction activities.
2. **50% Completion:** 25% of the total contract value will be paid upon completion of 50% of the construction activities.
3. **75% Completion:** 25% of the total contract value will be paid upon completion of 75% of the construction activities.
4. **100% Completion:** The remaining 20% will be paid upon full completion of the construction activities and final inspection and approval.

Security Deposit: A 5% security deposit of the total contract value will be retained and paid one month after the project has been officially handed over. This deposit will be released following the satisfactory completion of any punch list items and compliance with all contract terms, ensuring that all contractual obligations have been met.

8. Validity Period of Offers

The period of validity of the offer shall be eight [8] weeks from the deadline of submission, which should be indicated in the offer.

9. Request for additional information

Any inquiries, communication, or requests for additional information concerning this service are only permitted by email to: info.iraq@borda-wesca.org. The inquiries shall be submitted no later than 11 AM (Iraqi local time) on May 27th, 2025.

It is your responsibility to verify that all e-mails have been received properly before the deadline. Please be aware of the fact that the e-mail policy employed by **BORDA** limits the size of attachments to a maximum of [8MB], so it may be necessary to send more than one e-mail for the whole submission.

Thank you for your interest in supporting **BORDA-KRI**. We are looking forward to your proposal.