



# Bio-Resources Development Centre

(A Government of Meghalaya R & D Institution under Science & Technology, Planning Department)

5<sup>1</sup>/<sub>2</sub> Mile, Upper Shillong, Shillong – 793009, Meghalaya.



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GOVERNMENT OF MEGHALAYA

BIO-RESOURCES DEVELOPMENT CENTRE(BRDC)

Request For Quotation (RFQ)

FOR

**Construction of Platform for Overhead Tank & Supply, Installation of Water Connection  
from the Bore well to the Storage tank  
At BRDC Experimental Farm, Laitmynsaw, Upper Shillong**

**Joint Secretary to the Govt. Of Meghalaya,  
Planning Department &  
Member Secretary,  
Bio-Resources Development Centre, 5 1/2 Mile, Upper Shillong.**

## **REQUEST FOR QUOTATION**

**Procurement for Construction of Platform for Overhead Tank & Supply,**  
**Installation of Water Connection from the Bore well to the Storage tank**  
**At BRDC Experimental Farm, Laitmysaw, Upper Shillong**

**Purchaser:** *Bio-Resources Development Centre*

**Contract title:** *Construction of Platform for Overhead Tank & Supply, Installation of Water Connection from the Bore well to the Storage tank At BRDC Experimental Farm, Laitmysaw, Upper Shillong*

**RFQ No: E-File No: PLN/BRDC/0406/2024/NF/**

| <b>S#</b> | <b>Description</b>                              | <b>Date &amp; Time</b>                         |
|-----------|---|--|
| <b>1</b>  | <b>Date of Issue of RFQ</b>                     | <b>14<sup>th</sup> March, 2024</b>             |
| <b>2</b>  | <b>Last Date and Time of submission of RFQs</b> | <b>22<sup>nd</sup> March, 2024 at 2:00 P.M</b> |
| <b>3</b>  | <b>Opening of RFQs</b>                          | <b>22<sup>nd</sup> March, 2024 at 2:30 P.M</b> |

**INVITATION FOR QUOTATIONS FOR CONSTRUCTION OF PLATFORM FOR OVERHEAD TANK & SUPPLY, INSTALLATION OF WATER CONNECTION FROM THE BORE WELL TO THE STORAGE TANK AT BRDC EXPERIMENTAL FARM, LAITMYNSAW, UPPER SHILLONG**

TO

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Dear Sir/Madam,

**Subject: Invitation for quotations for Construction of Platform for Overhead Tank & Supply, Installation of Water Connection from the Bore well to the Storage tank At BRDC Experimental Farm, Laitmynsaw, Upper Shillong**

**Scope of Work:**

- 1) Bidders are requested for onsite visit before submission of quotations.
- 2) To construct 20ft high Iron Water Storage Platform to hold three (3) 3000-liter Sintex water tanks.
- 3) To install Submersible water pump at a depth of 750- 800 feet bore well
- 4) To install appropriate Water Filtration system to filter water before entering the storage tank
- 5) Pipe and other accessories for water connection from the bore well to the storage tank (approximately 115 meters)
- 6) To install 3 nos. 3000 liters sintex on top of the Iron Water Storage Platform

**Water Connection from the Bore well to the Storage tank**

**Objective:**

The objective of Water Connection from the Bore well to the Storage tank is to draw water from a depth of 750- 800 feet bore well to the filtration system then to 3 nos 3000 litres capacity sintex Materials etc:

## **Equipments**

1. Submersible Pump capable to draw water from the depth of of 750- 800 feet bore well capable to supply water with good pressure to the length of 380 feet then to the height of 20 feet
2. Pipeline: PVC Pipe mentioning the size of the pipe and should include other accessories required for complete installation
3. Filtration System before the storage tank

## **Installing the Submersible Pump**

- Lower the submersible pump into the well bore
- Ensure the pump is securely attached to the pump cable
- Verify that the pump is positioned correctly within the well casing

## **Pipeline Installation**

- Determine the length of pipeline required for the depth of 750 to 800 feet
- Ensure the pipeline material is suitable for submersion and corrosion-resistant
- Connect the pipeline to the submersible pump using appropriate fittings
- Lower the pipeline into the well alongside the pump
- Anchor the pipeline securely at intervals to prevent movement
- Use appropriate clamps or brackets to secure the pipeline to the well casing
- Inspect the entire length of the pipeline to ensure there are no kinks or bends that could obstruct water flow

## **Installation of the appropriate Filtration System:**

- The capacity and brand of the Filter should be mentioned

## **Testing**

- Conduct a pressure test to ensure the pipeline is free of leaks
- Test the submersible pump to ensure it is functioning properly at the designated depth
- Monitor water flow and pressure to confirm the system's efficiency
- Double-check all connections and fittings for tightness
- Ensure all safety protocols are in place, including proper labeling of electrical components
- Record all installation details for future reference

## **Iron Water Storage Platform Specification**

### **Objective**

The objective of this specification is to outline the requirements and guidelines for the construction of an Iron Water Storage Platform that is 20 feet high, designed to hold three (3) 3000-liter Sintex water tanks. This platform is intended for secure and stable water storage in accordance with safety and structural integrity standards.

### **Materials:**

- Iron beams and columns: Grade A36 or equivalent, with necessary thickness for structural stability.
- Iron plates for flooring: Grade A36 or equivalent, with non-slip surface treatment
- Fasteners: High-strength bolts, nuts, and washers as per engineering specifications
- Paint: Corrosion-resistant paint suitable for outdoor use

### **Dimensions:**

- Height: 20 feet
- Length: [Specify length based on the footprint of three 3000-liter Sintex water tanks]
- Width: [Specify width based on the footprint of three 3000-liter Sintex water tanks]

### **Design Requirements:**

- The platform shall be designed to ensure stability and safety
- Load-bearing calculations should consider the weight of (3)three 3000-liter Sintex water tanks when full, plus additional safety factor
- Platform design should allow for easy installation and removal of the water tanks
- Non-slip flooring surface to prevent accidents
- Adequate spacing between the tanks for maintenance access

### **Construction Process**

#### **Site Preparation**

- Clear the designated area of any debris or obstructions
- Ensure the ground is leveled and compacted

## **Foundation**

- Excavate holes for the foundation supports
- Pour concrete footings with rebar reinforcement
- Allow proper curing time as per concrete specifications

## **Assembly of Iron Structure**

- Assemble iron beams and columns according to drawings
- Ensure all connections are securely fastened with high-strength bolts and nuts
- Welding should be done by certified welders according to industry standards

## **Installation of Iron Plates**

- Attach iron plates to the top of the platform frame
- Weld or bolt plates securely to the frame
- Apply non-slip surface treatment to the plates

## **Painting**

- Apply a primer coat to all iron components
- Finish with corrosion-resistant paint suitable for outdoor use
- Ensure complete coverage for protection against rust and corrosion

## **Safety measures:**

- Install appropriate guardrails around the perimeter of the platform
- Include access stairs with handrails for safe entry and exit
- Clearly mark load capacity limits on the platform
- Display safety signage indicating no smoking or open flames near the storage area
- Touch up paint as needed to prevent rust
- This construction must comply with all local building codes, safety regulations, and standards for structural stability and load-bearing capacity
- All welding and fabrication should be performed by certified professionals
- It is recommended to consult with a licensed engineer throughout the construction process
- The platform should be designed to withstand environmental factors such as wind loads and seismic activity based on the location

## **Final Inspection**

- Conduct a thorough inspection of the platform
- Ensure all components are securely fastened
- Verify the platform's height, length, and width according to specifications
- Check for any sharp edges or safety hazards
- Confirm the stability of the platform
- Installation of 3 nos 3000 litres sintex

**Warranty period:** Warranty should be mentioned while giving the quotations

## **Terms and Conditions**

- 1. Eligibility:** A Bidder (a) shall not participate in more than one Quotation; (b) shall not have Conflict of interest as defined in the Procurement Regulations; and (c) should not have been (i) temporarily suspended or debarred by the State/Central Government/PSU's or (ii) blacklisted or suspended by Central or any State Government Departments in India.
- 2. Clarifications & Amendments:** If the Purchaser receives any request for clarification of this RFQ Document, it will upload its response together with any amendment to this document, on [www.megbrdc.nic.in](http://www.megbrdc.nic.in) for information of all Bidders. Bidders should check on the website, for any amendments to the terms and conditions and for Award of Contract.
- 3. Delivery of Items:** 30 days from the date of issue of the Purchase Order. All aspects of safe delivery shall be the exclusive responsibility of the vendor.
- 4. Consignee Address (and quotation Delivery Address):**  
Bio-Resources Development Centre, 5 ½ Mile, Upper Shillong – 793009
- 5. Quotation Price**
  - a) The quantity offered should be 100% of the requirement for the quoted amount. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
  - b) All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
  - c) The transportation and installations charges should be included in the financial quotations and no other additional cost than what is quoted by the vendor will be accepted by BRDC
  - d) Goods and Service Tax (GST) should be indicated separately.
  - e) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

- f) Bidder must expressly mention the name/brand/model of the items offered by them in the price schedule along with proper product brochures.
- g) The bidder must mention in details about the product being offered in lieu of the specified specifications and not by simply mentioning “Complied”. Such bids with no proper details are likely to be disqualified.

**6. Qualification of Bidders**

- a) Have the legal capacity to enter into a contract;
- b) Not be insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances;
- c) Not have had your business activities suspended or debarred from public procurement by the State Government of Meghalaya or Government of India.

**7. Validity of Quotation:** Quotations shall remain valid for a period not less than 90 days after the deadline date specified for submission.

**8. Documents Evidencing Qualification:** Bidders are requested to submit copies of the following documents as evidence of your qualification.

- a. Valid trading license/registration or equivalent/Exemption Certificate
- b. Valid certificate of GST registration
- c. Self-declaration to the effect the bidder is not insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances.
- d. Self-declaration that the bidder’s business activities are not suspended or debarred from public procurement by the State Government of Meghalaya, any other State Government or Government of India.
- e. Experience Criteria: Copies of contract/s or purchase orders or completion certificates issued on the name of the Bidder demonstrating its experience in similar product/services in the last 3 years (2020 – 2023)
- f. Audited Financial Statements of last three years (2020 – 2023) demonstrating the average annual turnover of INR 10 lakh

**9. Evaluation of Quotations:** The Purchaser will evaluate and compare the quotations that are determined to be substantially responsive i.e., which

- (a) are properly signed; and
- (b) Confirm to the terms and conditions and specifications.
- (c) Any historical information, if required may be asked from the bidders during evaluation of quotes.
- (d) Bid submitted should be in English Language only
- (e) The quotation will be evaluated on a Lot wise basis.

**10. Award of contract:** The Purchaser will award the supply orders to the bidders whose quotations have been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- a. Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract. The numbers against each item may increase or decrease at the time of issuing the Purchase Order.



- b. The bidder whose quotation is accepted will be notified of the issue of Supply Order by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order (sample form attached)
- 11. Warranty/Guarantee:** Normal commercial warranty/ guarantee shall be applicable to the supplied goods (extended warranty) if required will be mentioned in the technical specifications.
- 12.** You are requested to provide your sealed quote latest by 2:00 P.M on 22nd March, 2024. Quotations that have been submitted on or before time will be opened at 2:30 P.M on 22<sup>nd</sup> March 2024 or it will be extended to the next working day.
- 13. Late and delayed quotation:** Late and delayed quotations will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date, the next working day shall be the prescribed date of closing/opening.
- 14. Payment:** Payment will be made within 30 days from the date of successful delivery and acceptance of goods at BRDC Shillong, generally through RTGS / FUND TRANSFER. Following information must be clearly written in the quotation for RTGS / FUND TRANSFER: -
- (a) Name of the Firm with complete postal address
  - (b) Name of the Bank with Branch where the Account exist
  - (c) IFSC CODE
  - (d) ACCOUNT No
  - (e) PAN No.
- 15. Installation Charges:** Supplier shall be responsible for installation whichever applicable and should have technical expertise and trained personnel to render “After Sales Services” during the warranty period.
- 16.** Expenditure involves towards any extra materials required or labour involved for successful installation of the equipment, if not quoted for, would have to be borne by the tenderer.
- 17.** Rates should be quoted as per format in ANNEXURE 1: FORMAT OF QUOTATION
- 18.** We look forward to receiving your quotations and thank you for your interest in this bid.

Important: - The BRDC may accept or reject any or all the bids in part or in full without assigning any reason and doesn't bind itself to accept the lower bid. The BRDC at its discretion may change the quantity / upgrade the criteria / drop any item or there-of at any time before placing the work Order.

**The rate quoted should include:**

- Make/Brand Name with installation
- F.O. R BRDC, Upper Shillong, 5 ½ Mile, Upper Shillong
- Warranty Period minimum 2 years with after sales service.
- Installation etc.

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**Shri Gunanka D. B. IFS,  
Joint Secretary to the Govt. of Meghalaya &  
Member Secretary,  
Bio-Resources Development Centre,  
5 ½ Mile, Upper Shillong**

**ANNEXURE 1: FORMAT OF QUOTATION**

| Sl. No  | Description of Works & Items | Quantity | Unit Price | GST | Total Price |
|---|------------------------------|----------|------------|-----|-------------|
| 1   |                              |          |            |     |             |
| 2   |                              |          |            |     |             |
| 3   |                              |          |            |     |             |
| 4   |                              |          |            |     |             |
|   |                              | Quantity | Unit Price | GST | Total Price |
| Work Charges  |                              |          |            |     |             |
| Installation Charges                                  |                              |          |            |     |             |
| Any other charges-add new rows and update the details |                              |          |            |     |             |
| <b>Total cost of the contract including GST</b>       |                              |          |            |     |             |

**Gross Total Cost: Rs. ....**

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs..... (Amount in figures) (Rs. .... amount in words) within the period specified in the Invitation for Quotations.

We also confirm that commercial warrantee/ guarantee of minimum at least 2 years or extendable shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive agreements with competitors.

**Signature of Supplier**

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