

EXPRESSION OF INTEREST (EOI) DOCUMENT

ENGAGEMENT OF SERVICE PROVIDER

FOR

**RENOVATION, CUSTOMIZATION AND OPERATION OF THE BIO-PESTICIDE
MANUFACTURING UNIT AT MENDIPATHAR,
NORTH GARO HILLS ON TURNEY BASIS**

EOI No. No. PLN/BRDC/0211/2023/NF/269

Dated: 17th February, 2025

**Bio-Resources Development Centre,
5½Mile, Upper Shillong, Opp. Indo-Danish Project,
Department of Animal Husbandry & Veterinary, Govt. of Meghalaya,
Meghalaya- 793009**

EOI Advertisement:

Bio-Resources Development Centre, BRDC	
Request for Expression of Interest (EOI) for Engagement of service provider for renovation, customization and operation of the Bio-pesticide manufacturing unit at Mendipathar, North Garo Hills on turnkey basis.	
Date of issue	17 th February, 2025
Last date of submission of EOI	Up to 3 PM IST of 14 th March, 2025
How to get copy of EOI document	Details of EOI can be downloaded from https://megbrdc.nic.in/ "Corrigendum or Addendum" if any, would appear only on the said website and not to be published in any News Paper
Contact information	O/o Bio-Resources Development Centre (BRDC), 5 ½ Mile, Upper Shillong, - 793009 EMail ID: brdcshillong@gmail.com
Contact person	Dr. Junie Pearl Lyngdoh (6009574748/8794730851) Mr. Thomas Iangjuh (8837076630)

1. Notice Inviting Expression of Interest (EOI)

Bio- Resources Development Centre (BRDC) invites Expression of Interest (EOI) from experienced and eligible firms/consulting firms/Agencies for Engagement as Service Provider for renovation, customization and operation of the Bio-pesticide manufacturing unit at Mendipathar, North Garo Hills on turnkey basis

2. Important information and dates:

EoI No	PLN/BRDC/0211/2023/NF/271
Name of the Work	Engagement of Service Provider for renovation, customization and operation of the Bio-pesticide manufacturing unit at Mendipathar, North Garo Hills on turnkey basis.
Brief Scope of Work	<p>Incorporating aluminium partitions in one of the existing rooms for ensuring a sterile and controlled production environment (Aseptic inoculation room).</p> <ul style="list-style-type: none">➤ Repairing of two cold rooms digitally controlled.➤ Laminar Air Flow (Repairing and Servicing)➤ Customized Batch Type mixture blender. Capacity 100 litres per batch production. Annual production capacity of approximately 6,000 – 7500 litres at 80-85% efficiency. It should be made from SS316 L shaft with Cutting impellers. It should be supplied with fully automatic electric steam Generator with steam valve, pressure gauge, safety valve, piping and electrical control panel. Maintain automatic water level with feed pump and automatic cut off if water level is low.➤ Bottling machine (Customized new).➤ Repair and fabrication of 4 nos. heavy duty rotary shakers.➤ The contract period will be one year from the date of signing of the contract and may be extended further based on the requirement of BRDC➤ The agency should be competent and experienced in handling similar tasks.➤ The agency should have trained service personnel.
Date of Issue of EOI	17 th February 2025
Last date for submission of clarification queries	26 th February 2025 before 2 PM IST
Pre-bid Meeting	<p>27th February 2025, 1 PM IST</p> <p>O/o Bio-Resources Development Centre (BRDC), 5 ½ Mile, Upper Shillong, -793009</p> <p>OR</p> <p>Bidders can attend the virtual meeting. Interested bidders will have to mail brdcshillong@gmail.com for the link request</p>
Last date & time of submission of EOI	14 th March, 2025 before 3 PM IST

Date & Time of Opening of EOI applications	14 th March, 2025 at 3:30 PM IST
Address for communication/ submission of EOI	O/o Bio-Resources Development Centre (BRDC), 5 ½ Mile, Upper Shillong, - 793009 Mail ID: brdcshillong@gmail.com
Proposal Submission	The EoI should be submitted in a sealed envelope with: <ol style="list-style-type: none"> 1. One original copy and one duplicate copy 2. Only short-listed firms will be invited to submit their technical and financial proposal (RFP)

3. Executive Summary

1.1 Background

Bio Resources Development Centre is a registered institution under the Meghalaya Society Registration Act XII of 1983 under the Department of Planning, Govt. of Meghalaya. It became operational during the year 2003. The registered office of the BRDC is located at 5 ½ Mile, Upper Shillong. The mandate of the Centre is “Availing biotechnological opportunities and appropriating/ customizing such technologies into meaningful knowledge resources to conserve and sustainably use biological resources for promoting multiple livelihoods and local green economy”. BRDC as an R&D Institution is promoting sustainable green technologies to the farming communities through training and capacity building to the farmers across the State of Meghalaya, promote indigenous system of Medicine through value addition of herbal medicines, documentation of Traditional Knowledge and practices in the state and promote conservation of indigenous orchids, horticultural and agricultural crops through tissue culture techniques. Other programmes include R&D and production of biofertilizers to ensure availability of bio-inputs for various agricultural and horticultural crops, Seed saving initiative for food security is being carried out for indigenous/ local/ heirloom seeds. These programmes and initiatives have made many transformative impacts on various stakeholders of the State.

Farming in Meghalaya is basically Organic by practice and therefore there is ample scope for expanding and exploiting the market potential of this sector in the right direction. The Meghalaya Mission Organic is emphasizing on the need to build the entrepreneurial capacity of the farmers towards achieving business acumen in the process of Organic production and marketing in a strategic manner. Organic Certification Programme associated with this Mission will facilitate linkage of our Organic products with Organic Markets at National and International levels and standards.

Biopesticides offer a sustainable and environmentally friendly alternative to chemical pesticides, making them particularly valuable in promoting organic farming practices in regions like Meghalaya, India. Here’s a comprehensive overview of producing fungal biopesticides to support organic farming in this region.

Fungal Biopesticides

Fungal biopesticides are derived from fungi that can control plant pathogens, pests, and diseases through various mechanisms. Common species used include *Trichoderma*, *Beauveria bassiana*, *Metarrhizium anisopliae*, and others. These fungi can degrade pests, compete for nutrients, or induce resistance in plants.

Fungal biopesticides represent a promising avenue for promoting organic farming practices in Meghalaya. By leveraging local biodiversity and fostering sustainable agricultural practices, Meghalaya can enhance its agriculture sector's resilience, increase farmers' incomes, and contribute to a healthier ecosystem. Collaborative efforts involving researchers, extension services, and local farmers will be crucial in effectively implementing biopesticide production and usage.

In pursuance to this, the Centre is setting up the liquid Fungal biopesticide production Unit at Mendipathar, North Garo Hills, Meghalaya.

1.2 Objectives

This document is a Request for Proposal (RFP) for engagement of Service Provider for renovation, customization and operation of the liquid Bio-pesticide manufacturing unit at Mendipathar, North Garo Hills on turnkey basis.

1.3 Scope of Work

Fungal liquid bio-pesticides derived from the beneficial fungi that have pesticidal properties grown in suitable liquid culture medium. These fungi will be used to control a wide range of plant pests and diseases, including fungal pathogens, insects, and nematodes. These biopesticides are essential components of organic and natural farming practices.

A. Proposed broad spectrum fungal bio-pesticides to be produced at the facility:

1. *Trichoderma viride*
2. *Trichoderma harzianum*
3. *Metarrhizium anisopliae*
4. *Beauveria bassiana*
5. *Verticillium lecanii* (*Lecanicillium spp.*)
6. *Pochonia chlamydosporia*
7. *Purpeurocillium lilacinus*
and any other relevant strains

The above microorganisms may be obtained from competent R&D Institutions for use in liquid biopesticide production.

B. Repair, Servicing and Customization of Equipment:

1. Incorporating aluminium partitions in one of the existing rooms for ensuring a sterile and controlled production environment (Aseptic inoculation room).
2. Repairing of two cold rooms digitally controlled.
3. Laminar Air Flow (Repairing and Servicing)
4. Customized Batch Type mixture blender. Capacity 100 litres per batch production. Annual production capacity of approximately 6,000 – 7500 litres at 80-85% efficiency. It should be made from SS316 L shaft with Cutting impellers. It should be supplied with fully automatic electric steam Generator with steam valve, pressure gauge, safety valve, piping and electrical control panel. Maintain automatic water level with feed pump and automatic cut off if water level is low.

5. Bottling machine (Customized new)
6. Repair and fabrication of 4 nos. heavy duty rotary shakers.

C. Manpower:

The Service Providers will be provided with the following support Staff:

1. Laboratory Assistant - 2 Nos.
2. Unskilled Labourers - 2 Nos
3. Security - 1 No.

Any requirement of additional manpower may be stated by the Service Provider.

D. Training of Technical Staff shall be arranged by the service provider: They should bring scientist/technical expert from Central Agricultural Research Institutes/Organizations to impart training especially on mother culture maintenance, liquid fermentation, bottling and packaging.

- ◆ Service provider should be located within 100 km of radius of our plant at Mendipathar.
- ◆ Service provider should have trained service personnel
- ◆ Service providers are requested to visit the site and inspect at their own cost before participation in the tender.

D. Operation and maintenance of the Laboratory for mass production of liquid fungal biopesticides:

The Service Provider should be competent in performing the following tasks:

- ◆ Task 1: Review the existing legal and technical conditions governing the sector
- ◆ Task 2: Assess the potential for local formulation
- ◆ Task 3: Develop the technical conditions for the formulation of liquid fungal biopesticides
- ◆ Task 4: Mass production of liquid fungal biopesticides
- ◆ Task 5: Certification and registration protocols if any for the above mentioned strains.

E. Financial Arrangements:

The Service Provider shall state the detailed financial implications for renovation, fabrication, repair & customization of equipment, operation, etc.

F. Exit Strategy:

The Service Provider shall design and formulate an exit strategy or technology transfer once the Laboratory is fully functional and the Staff are well equipped to operate mass production of the biopesticides.

4. Eligibility Criteria

Interested Agencies/Firms should provide information demonstrating that they have the required qualifications and relevant experience to deliver the services. The eligibility criteria are listed below:

- i. The Bidder/Agency/Private Organization must be registered and in operation for at least 5 years from the date of issuance of this EOI.
- ii. The average annual turn-over for 2021-22, 2022-23 and 2023-2024 FYs must have been at least Rs.4,00,00,000 (Rupees Four Crores).
- iii. The Bidder must be having experience of successfully running/operating at least one such facility in India for the last 1 (one) Financial Year.
- iv. Documentary evidence / proof of the experience is to be furnished supported by "certificates issued by the Authority concerned".

In the proposal, the Applicants may clearly state the detailed requirements for performing the services mentioned above.

Pre-Qualification Criteria:

Sl. No.	PQ Criteria	Documents required
1	The Bidder should be a Company registered under the Companies Act, 1956/ Proprietary Firm / Partnership Firm	(Certificate of incorporation/ certificate for commencement of business/ other relevant documentary proof should be submitted)
2	Attested copy of Company's PAN, GST and ITR details	Documentary proofs should be submitted
3	Average Annual Turnover of the Bidder during last three financial years 2021-22, 2022-23 and 2023-24 should be at least 4 (four) crores	Copies of the audited balance sheet of the company showing the same should be submitted
4	Experience in operating similar facilities	Certificates to be furnished
5	The Proposal should be accompanied with a comprehensive modality of operation, expected expenditure and return and profit-sharing arrangement. of the Laboratory.	Detailed proposal containing both Technical and Financial components to be provided
6	The Bidder should not be blacklisted by any Government department/PSUs/Private sector	Self-declaration of the same to be furnished

4.1 Evaluation of Technical Bid

Technical Proposal will be evaluated on the basis of parameters mentioned below. 70% of weightage shall be given to the technical proposal and 30% to financial proposal. Only those Applicants whose Technical Proposals score 70 marks or more out of 100 marks shall qualify for further consideration.

The selection of the firm shall be based on the following technical criteria

Sl. No.	Evaluation Parameter	Marks	Details
1	Technical Competency of the Bidder: Past experience in operating similar facilities	25	Highest mark will be awarded to most experience Bidder. Marking for the remaining will be done on <i>pro rata</i> basis.
2	Proposal on modalities of operating the Facility	30	Highest mark will be awarded to Bidder offering the most comprehensive Plan. Marking for the remaining will be done on <i>pro rata</i> basis.
3	Availability of competent skilled manpower for performing the services	15	Highest mark will be awarded to Bidder with maximum skilled manpower and the remaining will be done on <i>pro rata</i> basis.
4	Financial competency of the Bidder: Financial data of the last three years in prescribed format. Audited Balance Sheet, Profit & loss, Income Tax Clearance Certificate and original Bankers Solvency Certificate.	30	Highest mark will be awarded to most experience Bidder. Marking for the remaining will be done on <i>pro rata</i> basis.
Total		100	

NOTE: There should be an INDEX page, where relevant sections should be highlighted with proper page numbering.

5. Instruction to the Bidders

- Firms/ Agencies who are selected in EoI process will only be allowed to participate in RFP/Tender process for Engagement of service provider for renovation, customization and operation of the Biopesticide manufacturing unit at Mendipathar, North Garo Hills on turnkey basis, as per the scope of the Bid.
- The Bidders are required to bid strictly as per terms and conditions given in the Notice Inviting EOI documents and not to stipulate any deviations.
- The bidders are advised to submit complete details with their Proposals as Pre-qualification Bid Evaluation will be done on the basis of documents submitted by the bidders
- Proposals with Incomplete / Ambiguous information will be rejected

- e) The bidders are advised in their own interest to submit their proposal well in advance from last date/time of submission of proposals so as to avoid problems which the bidders may face in submission at last moment
- f) Bidder has to submit copies of all the documents. If the bidder is found ineligible after opening of bid, the bid shall become invalid
- g) Notwithstanding anything stated above, BRDC reserves the right to assess the capabilities and capacity of the bidders, in the overall interest of BRDC. In case, bidder's capabilities and capacities are not found satisfactory, BRDC reserves the right to reject the bid
- h) Submission of Queries: The bidders(s) if required, may submit queries, if any, through e-mail to brdcshillong@gmail.com before the date and time mention in the document. BRDC will reply only those queries which are essentially required for submission of proposals. Queries received after date specified will neither be entertained nor replied
- i) **Rejection of Proposals:** BRDC reserves the right to reject any or all proposals or cancel/withdraw the invitation of EOI without assigning any reasons whatsoever thereof. The applicants are cautioned that not giving complete information called for in the EoI or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information may result in the applicant being rejected. Applications made by telegram or telex, E-mail, and those received late will not be entertained. Overwriting should be avoided. Correction, if any, should be made by neatly crossing out, initialling, dating and rewriting. Pages of the pre-qualification documents should number. They should be submitted in a proper order as per the details mentioned in the index.
- j) References, information and certificates from the respective clients certifying suitability, technical knowhow or capability of the applicant should be signed by an officer not below the rank of Executive Engineer/Project Manager or equivalent for Govt./Semi Govt./ PSUs/ autonomous bodies Works and Director/Sole Proprietor/Partner of the Company or Firm as the case may be for private clients
- k) The applicant may furnish any additional information which he thinks is necessary to establish his capabilities to successfully complete the works. The applicants are however, advised not to furnish superfluous information. No information shall be entertained after submission of pre-qualification documents unless it is called for by BRDC
- l) Canvassing in connection with the Notice Inviting EOI is strictly prohibited, and such canvassed Proposals submitted by the bidder will be liable to be rejected
- m) **Final Decision-Making Authority:** BRDC reserve the right to modify the eligibility criteria, to decide on cut-off date of implementation, to accept or reject any application, to annul the Pre-Qualification process, to reject all applications or accept new applications at any time, without assigning any reason or incurring any liability to the applicants. It also reserves the right to change the coverage and scope of the study by dividing the study across sectors and geographical regions and to allocate work to different agencies for different sectors and geographical regions.

6.General Information, Financial, Similar Work Experience & Expert Details

EoI For:

MANDATORY INFORMATION DOCUMENTS:

a) General Information of the Bidder:

1	Name of Applicant/ Company	
2	Address for correspondence	
3	Official e-mail for communication	
4	Contact Person: Telephone Nos. Fax Nos. Mobile	
5	Type of Organization:	
6	Place and Year of Incorporation	
7	Name of Directors/Partners in the organization	
8	Name(s) and Designation of the persons, who is authorized to deal with BRDC (Attach copy of power of Attorney)	

b) Turn Over Details:

Financial Year 2021-2022	Financial Year 2022-23	Financial Year 2023-24	Average Annual Turnover

c) **Relevant Expertise Available:**

Sl. No .	Name of Employee/ Expert available with the Firm	Educational Qualification	No. of Years of association with the firm	Years of experience in operating similar facility(ies)	Relevant assignments taken up (Maximum 5)