

REQUEST FOR BIDS (RFB)

for

Supply, Installation, Training and Commissioning of Biochar Production Units under Meghalaya State Bamboo Mission, MBMA, Meghalaya for Biochar application as soil amendment in the agriculture fields and also reaping Carbon Credit benefits for the Communities

Purchaser: *Meghalaya Basin Management Agency (MBMA)*

Contract title: *“Supply, Installation, Training and Commissioning of Biochar Production Units under Meghalaya State Bamboo Mission, MBMA, Meghalaya for Biochar application as soil amendment in the agriculture fields and also reaping Carbon Credit benefits for the Communities”*

RFB No: PLN/MBMA/11927/2025/NF

#	Description	Date & Time
1	Date of Issue of RFB	22 nd July, 2025
2	Last Date and Time of submission of RFBs	1 st August, 2025 at 1600 hours
3	Opening of RFBs	1 st August, 2025 at 1630 hours
4	Mode of submission of RFBs	Hard copies of the bid should be submitted
5	Authority	Mission Director, Meghalaya State Bamboo Mission, Meghalaya Basin Management Agency
6	Address for communication	MegARISE, RDL Building, Springside, Lumsophoh Nongthymmai, Shillong-793014.

**MEGHALAYA BASIN MANAGEMENT AGENCY (MBMA)**

Regd. Address: House No. L/ A-56 Lower Nongrim Hills,
Shillong, East Khasi Hills, Meghalaya- 793003
(CIN No. U75144ML2012NPL008509)
Phone: +91-364- 2522921/2522992
Website: www.mbda.gov.in, E-mail: admin.mbda@gov.in

Ref no: PLN/MBMA/11927/2025/NF**Date: 22nd July, 2025****Notice Inviting Tender (NIT)**

Meghalaya State Bamboo Mission, Meghalaya Basin Management Agency (MBMA), Shillong invites RFBs from qualified bidders for Supply, Installation, Training and Commissioning of Biochar Production Units under Meghalaya State Bamboo Mission, MBMA, Meghalaya for Biochar application as soil amendment in the agriculture fields and also reaping Carbon Credit benefits for the Communities.

- i. The bidders may download the detailed RFB document from www.mbda.gov.in
- ii. The bids must be submitted on or before the Due Date.
- iii. The Bidders shall be solely responsible for checking the above website for any Corrigendum/Addendum/Amendment issued subsequent to publication of this NIT and take the same into consideration while preparing and submitting their RFBs.

***Detailed Specifications given at Annexure I**

Sl.no	Brief Description of the Goods	Qty	Delivery Period	Installations & Commissioning required
1	Decarbonizer (Pyrolysis Unit)	2	Within 60 Days from the date of issue of Supply Order	Yes
2	Shredder (Biomass Pre-processing Unit)	2		
3	Grinder of suitable Capacity	2		
4	Other accessories as required	2		

Sd/-

Mission Director
Meghalaya State Bamboo Mission
Meghalaya Basin Management Agency

Terms and Conditions:

- 1. Clarifications & Amendments:** Bidders may submit any queries regarding the clarification of the RFB document within 2 days from the date of publication of this Request for Bid (RFB) to procurementmbma@gmail.com. Responses to the queries, along with any amendments to the RFB, will be uploaded on www.mbda.gov.in for the information of all bidders. Bidders are advised to regularly check the website for updates, including any amendments to the terms and conditions and notifications regarding the award of the contract.
- 2. EMD:** Bidders must submit and EMD of **INR 1,00,000/-** (Rupees One Lakh only) in the form of DD/Banker's Cheque or a Bank Guarantee from a schedule commercial bank, valid for at least 150 days in the favor of Mission Director, Meghalaya State Bamboo Mission, MBMA, Payable at Shillong, Meghalaya. Original copy of the EMD must be submitted along with the RFB.
- 3. Bid Submission:** The bidders can submit their bid in Hard Copy at the O/o MegARISE, RDL Building, Springside, Lumsophoh Nongthymmai, Shillong- 793014. All the documents in compliance with the RFB including the financial bid should be submitted in a Single Envelope.
- 4. Place of Delivery:** One unit will be delivered to each of these locations **1.** Umsli, Bhoirymbong Block, Ri Bhoi District, Meghalaya **2.** Tikrikilla, West Garo Hills District, Meghalaya.

5. Bid Price

- a) The goods/services offered should be 100% of the requirement for the quoted amount. Corrections, if any, shall be made by crossing out, initialling, 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) Goods and Service Tax (GST) should be indicated separately.
- d) The rates quoted by the bidder is inclusive of Supply, Installation, Training and Commissioning including initiation of process for carbon credits accrual, customisation of App etc., and shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) The Prices shall be quoted in Indian Rupees only.
- f) Bidder must expressly mention the name/brand 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.
- h) Equipment should comply with all relevant environmental and safety standards.
- i) The bidder shall also provide training on the proper usage of the machine upon delivery.
- j) The bidder must include all additional charges, including transportation, installation and commissioning in their bid.

6. Qualification of Bidder:

SI No	Criteria	Criteria details	Documentary evidence
1	Legal Status of the Bidder	The bidder must be a legally registered entity under Indian law, such as: <ul style="list-style-type: none"> • Private Limited Company • Public Limited Company • Limited Liability Partnership (LLP) • Partnership Firm • Sole Proprietorship 	Attested copy of Incorporation Certificate issued by the Companies Registrar/concerned authority or any other certificate/document issued by government department in connection with proof of establishment or registration
2	Bidder must have GST registration certificate issued by competent authority.	The bidder shall have applicable and valid registrations with statutory authorities such as PAN, GST	Attested copy of PAN, GST Registration
3	Technical Capacity & experience	<p>The bidder/OEM should have a minimum of 3 years of experience in the design, supply, installation, and commissioning of biochar-making machinery including biochar based carbon credits.</p> <p>The bidder/OEM must have successfully completed at least 2 number of similar projects/contracts in the last 3 years (2022-23, 2023-24 & 2024-25), with a minimum individual project/contract value not less than INR 24 Lakhs</p>	The bidder should submit work/Supply orders, completion certificates, and project references to demonstrate experience.
4	Financial Capability	Annual Average Turnover in the last 3 (three) financial years should be not less than Rs 20 lakhs (i.e FY 2021-22, 2022-23 & 2023-24)	Certificate issued by a chartered accountant as per <u>Annexure-2</u> along with Audited Financial Statements confirming the average annual turnover of the Bidder during the stated Financial Years must be submitted
5	Blacklisting & non-conviction	<p>The bidder/OEM must not have been blacklisted by any government department, public sector undertaking (PSU), or other public authority.</p> <p>A Bidder/OEM in the last 03 (three) years, have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder or their Associate, as the case may be, nor has been expelled from any Project or contract by any public entity nor have had any contract terminated by any public entity for breach by such Bidder.</p>	Self-declaration must be submitted in the letter-head of the bidder

7. **Validity of Bids:** Bids shall remain valid for a period not less than 90 days after the deadline date specified for submission.
8. **Evaluation of Bids:** The Purchaser will evaluate and compare the bids that are determined to be substantially responsive i.e. which
- i. Bids submitted by the bidder must be properly signed by the competent authority of the bidder and company stamped on all the pages.
 - ii. Confirm to the terms and conditions and specifications.
 - iii. Any historical information, if required may be asked from the bidders during evaluation of quotes.
9. **Award of contract:** The Purchaser will issue the supply order to the bidder whose bid has been determined to be substantially responsive and who has offered the lowest evaluated bid price. In case it is found upon evaluation of RFB that two bidders have quoted the same amount in their financial bid then the vendor having highest average financial turnover during the last 3 Financial years shall be awarded the contract. The announcement for this assignment will be published in www.mbda.gov.in
- a) Notwithstanding the above, the Purchaser reserves the right to accept or reject any bids and to cancel the bidding process and reject all bids at any time prior to the award of contract. The numbers against each item may increase or decrease at the time of issuing the Supply Order.
 - b) The bidder whose bid is accepted will be notified of the issue of Supply Order by the Purchaser prior to expiration of the bid validity period. The terms of the accepted offer shall be incorporated in the supply order (sample form attached).
10. The supplied goods shall be covered under a minimum one (1) year comprehensive commercial warranty/guarantee from the date of delivery and acceptance. The warranty shall cover any manufacturing defects, faulty materials, or workmanship.
11. Payments shall be released on completion and subject to acceptance of deliverables including commissioning of the plants and initiation of carbon credit accrual process, training etc., by the client within 30 working days. However, for any issues experienced post completion and acceptance of the work the purchaser, the vendor should provide support in resolving the technical issues. **No Advance payment shall be made.**
12. The bid shall include provision for training and after-sales support for the operational staff.
13. Sealed bids must reach latest by 1600 hours on 1st August, 2025. Bids that have been submitted on or before this time will be opened at 1630 hours on 1st August, 2025. Late bids will be rejected.

Sd/-

Mission Director
Meghalaya State Bamboo Mission
Meghalaya Basin Management Agency

FORMAT OF PRICE BIDS*

Sl.no	Description of Goods	Unit	Quoted Unit Rate at destination in Rs.	GST and similar other taxes applicable on finished Goods/ Services	*Total Price at Destination - inclusive of discounts, all taxes and duties	
					In Figures	In Words
1	Decarbonizer (Pyrolysis Unit)	2				
2	Shredder (Biomass Pre-processing Unit)	2				
3	Grinder of suitable Capacity	2				
4	Other accessories as required	2				

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 tender.

We also confirm that commercial warrantee/guarantee of 12 months 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



MEGHALAYA BASIN MANAGEMENT AGENCY (MBMA)

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Website: www.mbda.gov.in, E-mail: admin.mbda@gov.in

SUPPLY ORDER

To:

M/s

.....
.....

Dear Sir,

Sub: Supply of

.....

Reference: Your Bid no..... Dated

1. Your bid no.....of(Date) for the supply of has been accepted. You are requested to supply the following goods/equipment at the rates quoted by you and specified against each as per the specifications and terms & conditions specified hereunder:

SL. No	Brief description of goods/ Equipment	Specifications	Quantity to be supplied	Unit Rate (Rs.)	Total Price (Rs.)
#1	Decarbonizer (Pyrolysis Unit)		2		
#2	Shredder (Biomass Pre-processing Unit)		2		
#3	Grinder of suitable Capacity		2		
#4	Other accessories as required		2		
Total					

1. Delivery Period:days from the date of issue of this supply order.
2. Place of delivery: As mentioned in Clause 4 of T&C
3. If the product provided fails to meet the verification process the PO will be cancelled and order will be issued to the next qualified bidder.
4. Payment shall be made within 30 days of delivery; and acceptance of the goods/services, commissioning, training etc.
5. Additional terms and conditions (if Any) may be added by the Purchasers at the time of issuing the Supply Order.

(Purchaser)

Date:

Mission Director

Meghalaya State Bamboo Mission

Meghalaya Basin Management Agency

Specifications				
Sl.no	Item Name	Qty	Item Description	
1	Decarbonizer (Pyrolysis Unit)	2	Processing Capacity:	1 ton of biomass per day
			Reactor Type:	Auger/Rotating Drum
			Technology:	Continuous or batch pyrolysis system
			Operating Temperature:	400°C – 700°C (adjustable for different biochar grades)
			Feedstock Compatibility:	Bamboo biomass, agricultural residues, and other lignocellulosic materials
			Heating System:	Electrical/LPG/Biomass; Preferably self-sustained using syngas generated during pyrolysis
			Emissions Control:	Must include a gas treatment system (scrubbers/filters) to meet environmental norms
			Output:	Minimum 35% biochar yield by weight
			Automation Level:	PLC-based operation preferred
			Material of Construction:	Heat-resistant alloy steel for pyrolysis chamber
			Safety Features:	: Automatic shutdown, temperature monitoring, gas leak detection
2	Shredder (Biomass Pre-processing Unit)	2	Capacity:	At least 1.5 tons per day to ensure continuous feedstock supply
			Cutting Mechanism:	Multi-blade or hammer mill type
			Particle Size Output	Adjustable between 5mm – 10mm
			Motor Power:	Energy-efficient motor with at least 10 HP
			Material Compatibility:	Bamboo, wood, crop residues, and other fibrous biomass
			Automation Level:	Semi-automatic or fully automatic
			Safety Features:	Overload protection, emergency stop
3	Grinder of suitable Capacity	2	Capacity:	1 ton per day biochar output
			Energy Efficiency:	Low power consumption design preferred
			Material of Construction:	Corrosion-resistant stainless steel
			Automation Level:	PLC-based control with sensor monitoring
4	Other accessories	2	Capacity:	Suitable for 1 ton per day or 80 to 100 kgs/hour
			Power:	As required
			Material of Construction:	As required

Annexure 2: Average Annual Turnover

(To be submitted on the letterhead of the Chartered Accountant of the Bidder)

S. No.	Financial years	Turnover (INR)
1.	2021-22	
2.	2022-23	
3.	2023-24	
	Average Annual Turnover	

Name, Membership number and Signature of the Chartered Accountant:

Name and seal of the firm:

[Location, Date]

Authorized Signature (*PoA holder of the Bidder*)

[In full and initials with Seal]:

Name and Title of Signatory:

Name of Bidder (*Firm/ Organization's name*):

Address:

Telephone:

Fax: