

BID DOCUMENT FOR TENDERING

Bidder should read the tender document carefully. Submission of tender shall mean that the Bidder has read and understood all the terms and conditions of the tender (including corrigendum issued if any, at a later stage of publication of Tender) and agrees and binds himself/themselves to the same.

Bidder must submit 'TENDER ACCEPTANCE LETTER' with their signature and official seal

TENDER REF.NO.: **SFURTI-I/MGH-MMCS/P&M-001/2021-22**
(In communication, please quote this number & date)

Dated: 09/08/2021

**Tender document of Supply, Installation and
Commissioning
Of
Oyster Mushroom Spawn Lab, Processing &
Value Addition Cluster
At
Mendipathar, North Garo Hills
Meghalaya**

Section I

Mendipathat Multipurpose Cooperative Society, Mendipathar, North Garo Hills, Meghalaya

Email: mmcsmushroom@gmail.com

TENDER REF.NO.: **SFURTI-I/MGH-MMCS/P&M-001/2021-22**
(In communication, Please quote this number & date)

Dated: 09/08/2021

NOTICE INVITING TENDER

Bid Particulars	Details
Tender Reference no	SFURTI-I/MGH-MMCS/P&M-001/2021-22
Tender Details.	Machinery with Specifications (As Per Technical Specifications attached in Annexure – I)
Last date and Time of receipt of Bid	30-08-2021 By 02:00 PM
Date and Time for Opening of Technical Bid	31-08-2021 By 11:00 AM
Place of Tender submission	Mendipathar Multipurpose Cooperative Society (MMCS), P.O. Mendipathar, Mendipathar, North Garo Hills, Meghalaya
EMD (per group)	Rs. 50,000/-
Tender Fees	Rs. 1500/-
Financial Bid opening	After finalization of first stage

Sealed Tender under Two cover System (Technical & Commercial) are invited on behalf of **Megha Food Cooperative Society, Mendipathar, North Garo Hills, Meghalaya** by Secretary (here in after called, the Implementing Agency and / or the Purchaser") of **Mendipathar Multipurpose Cooperative Society, Mendipathar, North Garo Hills, Meghalaya** (Implementing Agency) for Items mentioned below as per Technical specifications given in the enclosed schedule **Section II Annexure -I**. These Items delivered / Installation and commissioning to be done at destination mentioned in this document.

Secretary

Megha Food Cooperative Society, Mendipathar, NGH

SECTION II INSTRUCTIONS TO BIDDERS

A. INTRODUCTION

1. DEFINITIONS:

- a) "The Purchaser" means Mendipathar Multipurpose Cooperative Society, Mendipathar, NGH, Meghalaya.
- b) "The Bidder" means the individual or firm who participates in this tender and submits its bid.
- c) "The Supplier" means the individual or firm supplying the goods under the contract.
- d) "The Goods" means all the equipment, machinery or other materials, which the Supplier is required to supply to the Purchaser under the contract.
- e) "The Advance Purchase Order" means the intention of Purchaser to place the Purchase Order on the bidder.
- f) "The Purchase Order" means the order placed by the Purchaser on the Supplier signed by the Purchaser including all attachments and appendices thereto and all documents incorporated by reference therein. The purchase order shall be deemed as "Contract" appearing in the document.
- g) "The Contract Price" means the price payable to the Supplier under the purchase order for the full and proper performance of its contractual obligations.
- h) "Validation" is a process through which the equipment / System is tested to ascertain its performance against set technical standards as per the requirements of the Cluster Outcomes.

2. SCOPE OF WORK

- a. The successful tenderer should undertake supply, erection and commissioning of the said machinery. The detailed specifications are given in Annexure-I.
- b. The successful tenderer should complete supply, erection, commissioning within 60 days from the date of receipt of Purchase Order.
- c. The successful tenderer for spawn lab should provide a complete and executable production process flow based on plant physiology. This will include – process flow diagram, Time for each process, SOP, P&M supply, erection, commissioning and operational support for 1 month, including training of technical staff.

3. MINIMUM ELIGIBILITY CRITERIA:

3.1. Pre-qualification criteria for intending bidders:

The tenderer shall be required to submit the Earnest Money Deposit (EMD) which is refundable. The demand drafts shall be drawn in favor of “Secretary, Mendipathar Multipurpose Cooperative Society, Mendipathar, North Garo Hills, Meghalaya”.

The demand drafts for Earnest Money Deposit (EMD) for each group must be enclosed in separate envelope containing the technical bid.

In case the tenderer is bidding for more than one group, then separate EMD has to be submitted for each group.

4. SUBMISSION OF TENDER IN TWO COVER SYSTEM:

Tenderers are requested to submit Part-I and Part-II in a separate sealed cover. Part-I cover to be superscripted as “Part I – Technical Bid” and Part II cover to be superscripted as “Part II – Price Bid” respectively.

The BIDDERS are requested to give detailed tender in two Bids i.e.

- a) Part - I: Technical Bid.
- b) Part - II: Commercial Bid.

4.1. Technical Bid:

The envelope clearly marked as “Technical Bid-Envelope No.1” shall contain the all copies of originals documents:

Envelope – 1 (Following documents to be provided)		
S.No.	Documents	Content
1.	Technical Bid	Technical Compliance Sheet as per Annexure – I
2.		Details/ Particulars of The Tenderer/ Bidder Annexure -II & II-B
3.		Manufacturer’s Authorization Letter as per Annexure-III
4.		Declaration Sheet as per Annexure – IV
5.		Reference Purchase Order copy. List of Organization/ Dept. as per Annexure-V

6.		Certificate of Guarantee/Warranty (on letter head) – Annexure VI
7.		Mandate Form for Electronic Fund Transfer / RTGS Transfer as per Annexure-VII
8.		<p>Scanned copy of EMD and Tender Fees along with the bid document. It is required to submit the same in original in a separate sealed envelope along with the bid at the following address on or before closing date: Mendipathar Multipurpose Cooperative Society, Mendipathar, North Garo Hills, Meghalaya</p> <p>In case of EMD in form of Bank Guarantee from Scheduled Commercial Bank on Rs. 50 Non-judicial stamp paper, Copy of BG to be included with the tender document and original to be submitted separately in an envelope clearly marking EMD. As per Annexure - VIII</p>
9.		The tenderer shall submit the copy of the tender document and addendathereto, if any, with each page to be signed and stamped to confirm the acceptance of the entire term & conditions of the tender.
10.		Financial statements with net profit, duly audited/ certified by Chartered Accountant (CA) of the last three financial years along with the copies of Income Tax Return (ITR) must be enclosed with the technical bid.
11.		The tenderer should furnish the brochure, equipment pictures, detailed specifications, technical and operational manual of each P&M individually and combined as part of each group he is bidding for.
12.		<p>The bid for spawn lab to be a comprehensive bid, covering all detail specification with brochure/ manuals/ SOPs of each equipment including the process flow of spawn lab for 300 kg of spawn production per day. The bid will include details on consumables and respective quantities for the desired production level.</p> <p>Bidder to furnish the complete process flow and material flow with diagram and operational plan as part of the technical bid.</p> <p>Price Bid will be comprehensive including detailed design of process, material flows, standard operating procedures, installation & commissioning, trial runs and handholding support.</p>

Envelope – 2		
S.No.	Documents	Content
1.	Financial Bid	Price bid should be submitted as per - Annexure IX

- a) Bid documents should be submitted as per the above sequence with Index page and page numbers (including technical literature). Each page of the bid should be signed & stamped in original. Unsigned bids will not be considered for evaluation. Each point of Envelope must be enclosed with the technical bid. Tenders shall be submitted in sealed cover and unsealed tenders would summarily be rejected.
- b) Tenders should be dropped only in the tender box kept at the office of “Mendipathar Multipurpose Cooperative Society, Mendipathar, North Garo Hills, Meghalaya- 794110” OR “Indian Institute of Entrepreneurship, Near Games Village, Lalmati, Guwahati – 781029” on or before 02.00 PM on 23.08.2021. Tenders will not be received by hand.
- c) Alternatively, the tenders can be submitted through registered post so as to reach the above address on or before 02.00 PM on 23.08.2021. Tenders received after the specified time will not be considered and IA will not be liable or responsible for any postal delays.
- d) A tender once submitted shall not be permitted to be altered or amended.

4.2. Format and Signing of Bids

- a) The bidder shall prepare three copies of the bid (one original and two duplicate), clearly making them “Original Bid” and “Duplicate copy of Bid” respectively. In the event of any discrepancy between them, the original shall govern.
- b) The original and the copy of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.
- c) Any interlineations, erasures or overwriting in the bid shall be valid only if they are initialed by the person or persons signing the bid.
- d) The front page of the bidding documents, containing the signature and date of the officials dispatching the documents and the seal of that office must be written in original by the bidder along with the original copy of the bid, failing which the bid is liable to be rejected.

e) PRICE BID TO BE SUBMITTED SEPARATELY AND IN ORIGINAL ONLY.**4.3. Tender Document Fee**

Tender documents may be purchased on payment of non-refundable fee of INR 1500.00 per set in the form of account payee demand draft/ cashier's cheque, drawn on a scheduled commercial bank in India, in favor of Mendipathar Multipurpose Cooperative Society, payable at Mendipathar. The tender document fee can also be paid in form of demand draft drawn in favor of, "**Mendipathar Multipurpose Cooperative Society, Mendipathar, North Garo Hills, Meghalaya**" along with the EMD in a separate envelope enclosed within the tender document, if using downloaded tender documents from the web site mentioned. Tender Document can be downloaded from www.mdba.gov.in/ northgarohill.gov.in or www.iie.gov.in.

4.4. Earnest Money Deposit Details

- a) EMD of Rs. 50,000/- (Rs Fifty thousand only) in the form of Demand Draft or Bank Guarantee (as per annexure VIII) from a scheduled commercial bank on Rs. 50 Non-judicial Stamp paper in the name of Mendipathar Multipurpose Cooperative Society, Mendipathar, NGH, Meghalaya valid for 90 days from the date of opening of the tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of concerned item.
- b) In case of tenderer submitting bids for more than one group than, separate EMD of Rs. 50,000/- (Rs Fifty thousand only) in the form of Demand Draft or Bank Guarantee from a scheduled commercial bank in the name of Mendipathar Multipurpose Cooperative Society, Mendipathar, NGH, Meghalaya valid for 90 days from the date of opening of the tender to be submitted for each group.
- c) The EMD will be returned to the BIDDER(s) whose offer is not accepted by Mendipathar Multipurpose Cooperative Society, Mendipathar, NGH, Meghalaya within one month from the date of the placing of the final order(s) on the selected BIDDER(s).
- d) In case of the BIDDER(s) whose offer is accepted, the EMD will be converted into Bank Guarantee towards performance security covering the period of Machinery Installation and commissioning. However, if the return of EMD is delayed for any reason, no interest / penalty shall be payable to the BIDDERS.

- e) The successful BIDDER, on award of contract / order, must send the contract / order acceptance in writing, within 7 days of award of contract / order failing which the EMD will be forfeited.
- f) The successful BIDDER, on acceptance of award of contract, must execute the supplier's agreement within 7 days of acceptance of award/ order failing which the EMD will be forfeited.
- g) The firm(s) who are registered under Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organization or the concerned Ministry or Department, their EMD will be liable to be forfeited if bidder withdraws or amends impairs or derogates from the tender in any respect within the validity periods of his tender. Self-attested scan copy of the valid registration certificate must be uploaded with the technical bid.**
- h) The rate quoted in the Tender should be valid for the acceptance by the Tender Committee, for a minimum period of 90 days from the date of opening of the Tender. The accepted rate is valid till the entire contract is completed. Escalation in the rate will not be entertained under any circumstances.

4.5. THE TECHNICAL OFFER SHOULD NOT CONTAIN ANY PRICE INFORMATION

5. SPECIFICATIONS:

Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. The Bid, which is not as per our tender enquiry, will be treated as non-qualified. IA has the sole discretion to accept or reject tenders based on technical specifications.

The supply shall be of very best quality and description. The decision of the purchase officer/purchase committee whether the articles supplied conforms to the specifications shall be final. Bidder may choose to bid for one or more groups, as the case may be. However, please ensure to quote your products specifically as per the respective groups and serial number of plant & machinery in your technical and financial bid document. Failing to which may result in cancellation of your tender Bid document.

Bid to include technical specification, manuals, operations manual of each respective machinery

individually and as group. Failing submission of brochures, technical specs, manuals may result in cancellation of your Bid document.

6. ENVELOPE 2:

“Commercial Bid” shall contain:

- a) Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) only.
- b) The prices should be shown against each item for the purpose of Insurance claims / replacements if any.
- c) List of deliverables / Bill of materials and services.

Note:

- a) No request for extension of due date will be considered under any circumstances.
- b) No sub-contracting is allowed with regard to installation, commissioning, warranty maintenance and after sales service. This is the sole responsibility of the principals'/their authorized agents.
- c) Please do not insert 'Commercial Bid' (prices quoted) in the technical bid envelope. If the price quoted is submitted with technical bid the tender will be rejected.

7. TERMS OF THE TECHNICAL COMMITTEE

- I. On the due date the technical bids will be opened and referred to the Working (Technical) Committee of Mendipathar Multipurpose Cooperative Society, Mendipathar, NGH, Meghalaya. The committee will go through the technical aspects of the tender and recommend short listed firms. The recommendation of the technical committee is the final and binding on all the parties.
- II. The technical evaluation will be an assessment of the Technical Bid. The technical committee may formulate evaluation criteria in addition to the specifications and requirements indicated in the tender, in the interest of Mendipathar Multipurpose Cooperative Society, Mendipathar, NGH, Meghalaya and this criteria/recommendation will also form as a part of short-listing of the firms.

- III. The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.

8. SEALING AND MARKING OF BIDS

- a) The bidder shall seal the original and the duplicate copy of the bid in separate envelopes, duly marking the envelopes as "Original" and Duplicate" respectively. These envelopes shall then be sealed in an outer envelope. (In case more than two copies are required as per specific stipulation in the Schedule of Requirements, the copies of the bids shall be marked accordingly, like "Original", "Duplicate", "Triplicate" and so on. Each copy of the bid shall be sealed in a separate envelope, and these envelopes shall then be sealed in an outer envelope).
- b) The inner and outer envelopes shall be:
- i. addressed to the Mendipathar Multipurpose Cooperative Society at the address given in the Clause 4.1 (b).
 - ii. bear the TENDER NUMBER and the words "DO NOT OPEN BEFORE" (The time and date of bid opening, as specified in the Clause 4.1(b) shall be indicated here).
 - iii. Each inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "Late" or if the tender is cancelled.
 - iv. If the outer envelope is not sealed and marked as required by Clause 8 (a), MMCS will not assume any responsibility for the bid's misplacement or premature opening.
 - v. Bids sent by Telegram, Telex, cable or facsimile are not acceptable and will be rejected.

9. OPENING AND EVALUATION OF THE TENDER

- a. The tenders received upto 30-08-2021 By 2:00 PM will be taken up for opening. Tenders received after specified date and time will not be accepted. The Tender will be opened through video conferencing (for which link will be shared with tenderers) by the Tender committee on 31-08-2021 By 11:00 AM in the presence of the available Tenderers/representatives of the Tenderers who choose to be present. The Tenderers or their authorized agents are allowed to be present online at the time of opening of the tenders.

- b. Tender committee will inform the attested and unattested corrections, before the Tenderers and sign all such corrections in the online presence of the Tenderers. If any of the Tenderers or agents is not present then, in such cases the Committee will open the tender of the absentee Tenderer and take out the unattested corrections and communicate it to them. The absentee Tenderer should accept the corrections without any question whatsoever.
- c. The Technical bid will be evaluated by Tender Committee in terms of the qualification Criteria. Tender Committee reserves the right to disqualify any of the tender if is not satisfied with the documents furnished.
- d. The Tenderers declared as qualified will be informed on the date of opening of Part-II (Price Bid).

10. PRICE OFFCER

- 10.1.** The Price Bid should be kept only in the **Part-II** cover
- 10.2.** The Price Bid should be prepared as per **Annexure – IX**
- 10.3.** The Price Bid should be neatly and legibly written both in figures and words
- 10.4.** In case of discrepancy between the prices quoted in words and figures lower of the two shall be considered.
- 10.5.** Part-II bid should not contain any commercial conditions. Variation in the commercial terms and conditions of the tender will not be accepted.
- 10.6.** The Price Bid should be inclusive of all taxes and duties, GST and delivery charges.

11. EVALUATION OF THE PRICE

- 11.1.** The Tender committee will examine for complete, properly signed and error- free nature of the Price Bid (Part-II).
- 11.2.** The comparison of the rates offered shall be on the basis of the total rates offered inclusive of all taxes, transportation, performance guarantee etc.

12. AWARD OF CONTRACT

The Tenderer who has quoted lowest price (L1) will be invited for negotiations. After finalizing the negotiated rate, Letter of Acceptance will be issued.

13. AGREEMENT

The successful tenderer should execute an agreement as may be drawn up to suit the conditions on a non-judicial stamp paper of value, as prescribed in law on the date of remittance of Security Deposit in form of Bank Guarantee from a Scheduled Commercial Bank and shall pay for all stamps and legal expenses incidental thereto. In the event of failure to execute the agreement, within seven (7) days of acceptance of letter of award, the EMD amount remitted by the tenderer will be forfeited besides cancelling the Tender.

14. ISSUE OF PURCHASE ORDER

After successful execution of the agreement, Purchase Order will be release to the tendered items within 10 days by the Implementing Agency (IA). The successful tenderer should complete supply, erection and commissioning of the machineries as stipulated in the Schedule of Supply Chapter of this tender document.

15. DELIVERY

The delivery of the Oyster Mushroom Spawn lab, Processing and Value Addition Cluster, SFURTI, Cluster Machineries/items ordered shall be completed within the time limit prescribed in the purchase order to enable completion of erection and commissioning within 60 days from the date of issue of purchase order. This aspect will be taken up for discussion during the evaluation of the technical bid.

16. PAYMENT CONDITION

- 16.1.** 45% of Contract value will be paid on execution of agreement.
- 16.2.** 40% of the Contract value will be paid on receipt of the complete set of machinery as per the order in full in good condition, at the destination, after acceptance by the tender committee.
- 16.3.** 10% of the Contract Value will be paid on successful completion of performance test.
- 16.4.** The balance 5% and EMD will be released only after satisfactory completion of the entire contract.

17. PENALTY

- 17.1.** Failure to execute the entire contract within 90 days from the date of issue of Purchase Order/ (&/with) advance payment, as the case may be, will attract a penalty of 1% per week, on the full value of the contract up to a maximum 5%. Delays beyond that period will result in cancellation of the orders.

18. TERMINATION OF THE CONTRACT

Mendipathar Multipurpose Cooperative Society, Mendipathar, NGH, Meghalaya reserves the right to terminate the contract at any time during the validity period on account of no-fulfilment of contract, on any count.

19. GENERAL CONDITION

- 19.1.** Conditional Tender in any form will not be accepted.
- 19.2.** Any notice regarding any problems, to the supplier shall be deemed to be sufficiently served, if given in writing at his usual or last known place of business
- 19.3.** The Tender Committee reserves the right to reject any or all the tenders without assigning any reason thereof.
- 19.4.** All the items of supply tendered shall be new and in any circumstances old, refurbished or second-hand machines/equipment/components will not be accepted.
- 19.5.** The Tender Committee reserves the right to reduce or enhance quantity of items of supply without assigning any reason thereof.
- 19.6.** The Tender Committee reserves the right to cancel the entire supply or part of supply, if the supply made is found to be not in terms of the tender conditions, at any stage of contract execution. In case of part cancellation or return of machine/components, the transport and other incidental expenses shall be borne by the supplier.
- 19.7.** The Tender Committee reserves the right to relax or waive or amend any of the tender conditions.

20. ARBITRATION

- 20.1.** In case of any dispute in the tender, including interpretation, if any on the clauses of the tender or the agreement to be executed, the matter shall be referred by Mendipathar Multipurpose Cooperative Society, Mendipathar, NGH, Meghalaya /Tenderer to an Arbitrator to be appointed by the Parties hereto by mutual agreement. If no such Arbitrator could be appointed by mutual consent, the matter may then be referred to the IIE Guwahati for nominating an Arbitrator, the Arbitration proceedings being governed by the Arbitration and Conciliation (Amendment) Act 2015.
- 20.2.** The venue of the Arbitration shall be at the Regional Office, IIE Guwahati. The decision of the Arbitrator shall be final and binding on both the parties to the Arbitration.
- 20.3.** The Arbitrator may with the mutual consent of the parties, extend the time for making the award. The award to be passed by the Arbitrator is enforceable in the court at Guwahati only.

21. JURISDICTION OF THE COURT

Any dispute arising out of non-fulfilment of any of the terms and conditions of this Tender/Agreement or any other dispute arising out of the arbitration award will be subject to the jurisdiction of the Courts in Guwahati only.

We agree to the above terms and conditions.

SIGNATURE OF THE TENDERER

DATE:

NAME IN BLOCK LETTERS:

DESIGNATION:

ADDRESS:

ANNEXURE I

List of Machinery with Specifications

GROUP 1**BAG MAKING & FILLING SECTION**

Please provide complete set of technical brochures and details of operation.
All machinery to comply with Indian/ international certification standards where relevant
All machinery should include the electrical control panels as may be required
Wherever relevant the machinery should have capability for future IOT integration
Please provide with suggested list of spares and accessories separately
Please provide details of special foundation requirements if any

S.No.	Name of Machinery	Specifications	Quantity
1.	Portable Field Straw Cutter	diesel operated straw cutter, 5 hp, 500kg/hr	5
2.	Straw Cutting Machine	Electric motor straw cutter, 10 hp motor, 1 Ton/ hr	2
3.	Hand Pellet trucks	Hydraulic Lifting, 2500 kg	5
4.	Steel table	Stainless Steel, 5'x2'6"	5
5.	Dewatering Pump	5HP, low head (3 m) and high capacity water flow	2
7.	Steel racks	MS Powder coated/ painted with 7 racks	4
8.	Chairs	With wheels	8
9.	Mixing & bag making machine	For mixing and filling spawn and wet paddy straw substrate. With belt conveyor for loading and screw conveyor for bag filling and two output bag filling points. Capacity: 12 bags/ min 5 kg wet substrate per bag	2
10.	Nylon Net Jumbo bags	1.0m long x1.25 m widthx1.5m height nylon net duly stitched with loops at ends for sanitization of paddy straw. Mesh size 12 mm	100
11.	Incubation room	PUF insulated panel, temperature control system, HEPA filter air curtains, humidity and air parameters sensors, exhaust fans steel racks for bags with complete design. 1500sq.ft.	1
12.	Cold room	Biomass powered cold storage system with temperature to be maintained at 2 degree C. Complete system made of PUF panels including HVAC system, automated PLC system, Electronic Thermostats and all accessories. 10 MT capacity 16X 12 X9 ft	1

GROUP 2
DEHYDRATION, POWDER MAKING & PACKAGING SECTION

Please provide complete set of technical brochures and details of operation.
All machinery to comply with Indian/ international certification standards where relevant
All machinery should include the electrical control panels as may be required
Wherever relevant the machinery should have capability for future IOT integration
Please provide with suggested list of spares and accessories separately
Please provide details of special foundation requirements if any

S.No.	Name of Machinery	Specification	Quantity
1.	heat pump dehydration m/c -including trays and trolleys	Moisture removal capacity 45 kg/ hr with minimum tray area of 80 m ² Capacity – 500kg/batch	2
2.	Electric heater-based Dehydration m/c - Tray Type including tray and trolleys	Moisture removal capacity 45 kg/ hr with minimum tray area of 80 m ² Capacity – 500kg/batch	1
3.	Pulverizing m/c for mushroom powder	Complete system including grinding for dehydrated mushroom with input hopper and collection system Capacity – 200kg/batch	1
4.	Steel racks	MS powder coated /painted/ Stainless steel with 7 racks 84"x 24" x 24"	12
5.	Weighing Balance	Tabletop balance up to 10 kg with digital read out	20
6.	Tables	Stainless Steel Food Grade 5'x2'6"	12
7.	Chairs	Without wheels	24
8.	Grinding machine for spices	Complete system including grinding for dehydrated spices with input hopper and collection system Capacity – 200kg/ day	1
9.	Pickle mixing machine	Food grade stainless steel for parts in contact with food material MS for frame and all other parts Capacity – 40kg/ batch	1
10.	Oil containers	Food grade stainless steel oil containers with lid 100 ltr	2
11.	Trays	Food grade Stainless Steel with rounded edges - 24"x18"x10"	20
12.	Pouch vacuum sealing machine	Food grade for dehydrated foods	2
13.	Powder Bag filling & sealing machine	Semi-automatic machine for dehydrated mushroom powder filling with SS Hopper outlet ball valve, semi-automatic weight filler and band sealer Capacity of 100 kg /day for 100 gm bags. 100 gm – 1 kg	1
14.	Pouch sealing machine	For pickles	1
15.	Carton Strapping machine	Semi-Automatic	1

GROUP 3
SPAWN LAB SECTION

(only comprehensive bids to be submitted for Group 3 as defined in clause 4.1, S. No. 12 of Technical Bid)

Please provide complete set of technical brochures and details of operation.
All machinery to comply with Indian/ international certification standards where relevant
All machinery should include the electrical control panels as may be required
Wherever relevant the machinery should have capability for future IOT integration
Please provide details of special foundation requirements if any

Complete turnkey project including Design of process, material flows, standard operating procedures, installation & commissioning, trial runs and handholding support

S. No.	Name of Machinery	Specification	Quantity
Major Equipment			
1.	Drum Sieves	Drum sieve with water jet spray for cleaning of wheat / other grains MOC: Rotating Drum of stainless-steel perforated sheet. Supporting Structure: Mild steel angle and channel framed sturdy structure. Equipped with water jet spraying arrangement through motorized pump. Capacity: Approx. 500 Kg/Day on 1 shift basis.	1
2.	BOD Incubator	Double wall, steel sheet, inner chamber stainless steel and other non-contact areas of Mild steel, digital temperature controller, temp. control from 5°C to 60°C +/- 0.5°C, safety thermostat, high voltage safety cutoff, plexi glass inner door, with air blower, inner illumination with LED/ fluroscent light, suitable voltage stabilizer, refrigeration by hermetically sealed compressor. Supply complete with plug, cable, switch and 5 nos tray made of Stainless Steel Perforated sheet. Inner Chamber Capacity: 350 litres.	2
3.	Laminar Air Flow system	Main shell is of high compressed board/ wood finished with laminated sheet. Work surface covered by Stainless steel sheet. Side screens made of 6 mm thick plate glass sheet, framed checked to ensure leak proof. Mild steel sheet fabricated epoxy painted With UV lights, horizontal clean air cabinet, tested for cross contamination and product protection using microbiological test methods, colourless and transparent UV absorbing tempered glass to enhance visibility, HEPA filter, additional disposable pre filter with 80% arrestance to trap large particles, completely integrated assembly to optimize motor cooling High efficiency HEPA 24 x filter With an efficiency rating 99 % + pre filtration. Illumination by fluorescent tube light with its operation switch on control panel. Front door of 5 mm thick acrylic sheet, One no 36"Long ultra	4

		violet of 15 watt with its accessories and operating Switch on control panel. Supply complete with plug, cable, switch etc. Working dimension: 4' x 2' x 2'	
4.	Steam Autoclave (vertical)	Min Working pressure up to 25 psi Double walled construction with inner working chamber fabricated from Stainless steel sheet argon welded on all its joints to make it leakproof. Lid is made from 304 type Stainless steel plate, highly polished. The Inner chamber is welded with Stainless steel ring. Outer jacket of mild steel sheet, finished in powder coated paint supported on heavy-duty cast iron legs. Paddle lifting arrangement of lid to be provided. Kettle type immersion heater to generate steam pressure. The autoclave should be equipped with pressure Gauge, safety valve, steam release cock, cast iron tightening Nuts, neoprene gasket and Stainless-steel basket. Autoclave conformance to national and international standards Inner Chamber Capacity : 100 ltr	1
5.	Steam Autoclave (horizontal)	Min Working pressure up to 25 psi Double Walled Dual Chamber – One for Steam Generation and the other Sterilizing Chamber fabricated from 2.5 mm thick 304 grade Stainless steel sheet, all joints argon welded and polished. Equipped with Radial Locking System to tighten the unit properly, Pressure gauge, Safety Valve, Pressure Control Switch and Stainless-steel Trolley. Temperature Indicator cum Controller with PT-100 Sensor. Conformance to national and international standards, with audio and visual alarms, MCB for electrical safety, flexible sensors, single lever closure system Inner Chamber Brimful Capacity: 500 litres.	2
6.	Steam Generator/ Boiler	Fabricated from prime quality Mild steel plate of 10mm thickness, in three parts – Oven, Pre-Heater, Steam Generator and Steam Exhauster. Heated by Gas Burner or Diesel fired Burner. All joints are properly welded to make it safe and leak proof. Equipped with Big Gas Burner or Diesel Burner with Air Blower Pressure gauge, Safety Valve, Pressure Control Valve, Water inlet line with NRV, Water Gauge Glass, Steam outlet and water outlet Capacity to meet requirement of autoclaves: Approx. 75 Kg steam per hour	1
7.	Mixing and bag filling machine	Semi-automatic with volumetric/ weight cutoff for filling spawn bags Stainless steel Hopper with stainless steel Ball valve or Damper to pour the wheat/cereal	1

		into Polybag, with Stand and platform for Weighing scale Weighing Scale of 1000 Gm Capacity Capacity – 50 bags of 1 kg/ hour	
8.	Frost free display Refrigerator with large volume freezer	350 ltrs or above	1
9.	Boiling kettle	Double walled SS 304 sheet. Tilting device of kettle operated by handle and worm gear with all pressure gauges and safety valve Capacity – 100 ltr	2
10.	Hot air sterilizer (oven)	Double walled construction, inner chamber made from Stainless steel Sheet. Outer cabinet fabricated from mild steel sheet, finished in powder coated paint, 75 mm thick layer of glasswool insulation between two walls to prevent loss of heat. Digital temperature indicator cum controller within temp. ranging from 50 C to 250 C . Supply complete with plug, cable, switches and G. I. Wire netting shelves. Size - 605 X 605 X 605mm (24"x24"x24")	1
11.	pH meter	Digital readout Range 0 – 14 pH, Resolution 0.01 pH Stability: 0.01 pH per hour. Relative accuracy: +-0.02 pH +- 1 digit. mV Range: 0 to +- 1999 mV. Resolution: 1 mV.	1
12.	Compound Microscope Trinocular with computer/laptop attached facilities	Digital Trinocular Microscope USB output and digital camera with 5 mega pixel cmos sensor. Magnification capacity 50X to 1000X With computer/laptop attachment/data transfer facilities	1
13.	Desktop Computer system (Complete fitting)	Pentium core i3 or equivalent Windows 10 based operating system, 17" screen with software/s for readouts from microscopes.	1
14.	Incubation Room	Heating Ventilation and Air handling, management systems and instrumentation. Complete system including Heating air conditioning systems with exhaust, humidity and temperature measurement and management systems. Civil works (RCC/brick and mortar) finished for the incubation room will be provided by customer with tiled floor Temperature maintenance at 24deg c +/- 2% Bidder to provide complete list of equipment with prices separately for each item 500 sq. ft room area . Complete HVAC and monitoring	1

		system.	
15.	Steel racks for incubation	Powder coated Mild Steel with 7 racks 8' x4'x2'	20
16.	Cold store for spawn storage	Complete Room made with PUF panels for storage of spawn at 2 deg centigrade including complete design and air handling system. Please provide design details. Size : 16'x12'x9'	1
Other Equipment			
17.	Spirit lamp	-	2
18.	Inoculation needle & loop	-	4
19.	Pestle & Mortar	-	2
20.	Hygrometer	-	1
21.	Digital temperature & humidity measurement	-	1
22.	Scissors	-	4
23.	Weighing machine (digital microbalance)	-	2
24.	Water purification system (RO)	Commercial grade - 50 litre per hour capacity	1
25.	Microwave		2
26.	Sprayer	16 ltr capacity	4
27.	Platform balance	2 quintal balance	2
28.	Belcha	-	12
29.	Spades	-	12
30.	Bucket	-	20
31.	Sieve (2mm)	-	4
32.	Wooden cellaret for keeping instruments	-	2
33.	Table with rack (executive)	5x3 ft	2
34.	Chairs	-	10
35.	Stool	-	6
36.	Racks for inoculation and incubation room	Powder coated Mild Steel with 4 racks 8'x4'x2' ft	4
37.	Double distilled water assembly with auto cut	-	1
Glass Ware and Miscellaneous Other material			
<ul style="list-style-type: none"> • All material required for trial runs including but not limited to the below List • Additional Material required may be added to the list and price provided separately 			
38.	Conical Flask Borosil	250ml, 500 ml	40 each
39.	Beaker	250ml, 500ml, 100ml	10 each
40.	Petri Plates	75 mm, 100 mm	10 each
41.	Test tube	12x100mm, 15x150mm	20 each
42.	Slide and cover slip	Slide 60x22mm; cover slip 18x18mm	8 each
43.	Burette	25 ml, 50 ml	8 each
44.	Pipette	Cap.0.1ml., 0.2ml., 1 ml., 2 ml., 5ml., 10ml	8 each
45.	Glassware racks	-	4 no.
46.	Test tube stand	Aluminium 15mm and 18mm dia. x 24 holes	16
47.	Whatman filter paper 41, 42	125 mm	16 no each

48.	Blotting paper	46x56 cm	4 rim
49.	Wash Bottle	250 ml, 500 ml	8 each
50.	Agar-Agar	-	4 kg
51.	Dextrose	-	4 kg
52.	Cotton role (absorbent & non- absorbent)	250 gm each	80 no.
53.	Cotton blue	-	800 ml
54.	Streptomycinsulphate	-	80 gms
55.	Spirit	-	8 ltrs
56.	Formalin	-	20 ltrs
57.	Bavistin	-	4 kg
58.	Polythene bag	60x45 cm2	2000
59.	Polythene sheet 500 gauge	8x15 mtr	4
60.	Glass bottle for spawn	-	800 nos
61.	Calcium sulphate	-	80 kg
62.	Calcium carbonate	-	8 qt.
63.	Gypsum	-	8 qt.
64.	Urea	-	8 qt.
65.	Wheat grain	-	8 qt.
66.	Wheat straw	-	200 qt
67.	Wheat bran	-	40 qt
68.	Chicken manure and other manures etc	-	25 qt
69.	Volumetric flask	500 ml, 1 ltr & 2 ltr	10 each
70.	Hand gloves	-	100
71.	Yeast extract mannitol agar medium (YEMA media)	-	2 kg
72.	Nutrient Agar media	-	2 kg
73.	Martin Rose Bengal agar media	-	2 kg
74.	Charcoal powder	-	40 kg
75.	Nutrient broth media	-	4 kg
76.	Glass rod	-	20
77.	Glassware/ Pipette washer	-	1

Note:

- Please provide the list of spares required for the equipment separately.
- Please provide list of additional suggested items with details separately.
- Please include brochures of all major equipment
- Manufacturing defect warranty for all major equipment
- Design & Operational support as per the specifications below

S.No.	Description	Specification	Quantity
1.	Design support	Detailed process flow design, material flow and layout and Standard operating procedure of spawn lab for 300 kg of spawn production per day. Including details on consumables and respective quantities for the desired production level. Bidder to furnish the complete process flow with diagram, plan and utilization. Process flow design may include suggestions for cost reduction in equipments without compromising quality and or productivity and should be as per govt. certification norms.	LS
2.	Operational Support	One-month operational support. One technical person to be placed at site for 1-month operational support and online support for period of 1 yr.	LS

GROUP 4**UTILITIES SECTION**

Please provide complete set of technical brochures and details of operation.
All machinery to comply with Indian/ international certification standards where relevant
All machinery should include the electrical control panels as may be required
Wherever relevant the machinery should have capability for future IOT integration
Please provide with suggested list of spares and accessories separately

Part A**Electrical Supply System**

Complete Mains supply and Electrical backup System including all accessories as per details below:

S.No.	Name of Machinery	Specification	Quantity
1	Backup generator	Backup Diesel generator of minimum 200 kvA , silent type <75 dBA Kirloskar/Cummins or equivalent engine with complete electrical panels	1
2	Electrical Transformer	300 kvA transformer with power control panels	1

Part B**Other Utilities**

S.No.	Name of Machinery	Specification	Quantity
1.	Rainwater harvesting	Rainwater harvesting system of 100 m ³ capacity	1
2.	Solar street lights	11 W LED lights with solar panels, battery and 3 m poles as per department norms.	20
3.	Wastewater treatment and recycling system	100 m ³ / day recirculation system and 20 m ³ per day water discharge system. Including water softening plant of 20 m ³ per day capacity, equalization tanks, piping, fittings etc. and all accessories. Bidder to provide complete technical design with all equipment details	1
4.	CCTV Camera with DVR and HD Camera	<ul style="list-style-type: none"> The Video Surveillance system should be an analog video surveillance system. It should consist of a fully pentaplex DVR which should be able to Display, Record, Playback, Network, Backup simultaneously. DVR should be networkable and should be accessible by any remote user. This feature should be password protected. The DVR should store / record the video from the cameras in H.264 compression for optimized storage. The DVR should perform video motion 	8 camera with DVR and computer

		<p>detection.</p> <ul style="list-style-type: none"> • The system should have feature to download video remotely • Each camera should have a video at HD (720P) and 25 frames for viewing the videos during live as well as for recording purpose at least 4 nos. The recording shall be stored for at least 60 days. <p>DVR: Video Compression : H.264 Analog Video Input : 16 Channel 32 Channel HDMI/VGA Output : 1 @ upto 1920 x 1080P Encoding Resolution : 720P / WD1 / 4CIF / CIF Dual Stream : Supported Stream type : Video Synchronous Playback : 16 Channel Playback resolution : 720P Network protocols : TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SNMP, SMTP, NFS, ISCSI, UPnP, HTTPS Hard Disk : 1 SATA Interface Capacity : Up to 6 TB capacity for each disk Network Interface : 1:10M / 100M self-adaptive Ethernet interface USB port : 2 x USB 2.0 Power Supply : 12 VDC Consumption : < 8 w (without hard disk or DVR R/W) Working temperature : -10 C to 55 C Working humidity : 10% ~ 90%</p> <p>VARIFOCAL LENS – HIGH-DEFINITION CAMERA: Image Sensor : 1/3” Progressive Scan CMOS Effective Pixels : 1280 (h) x 720 (v) Min. Illumination : 0.001 lux @ (F1.2, AGC ON), 0 Lux with IR Shutter speed : 1/25 (1/30)s to 1/50,000 s Lens : 2.8 mm to 12 mm @ F 1.4 Angle of view : 80 – 27.2 degree Lens mount : M12 Angle adjustment : Pan 0 – 360 degree, Tilt 0 – 75 degree, Rotation 0 – 360 degree Day & Night : ICR Synchronization : Internal synchronization Video frame rate : 720p @ 25 fps / 720p @ 30 fps HD video output : 1 Turbo HD output S/N Ration : More than 52 db Operating temperature: - 10 C to 60 C Operating Humidity : 90% or less (non-condensing) Power Supply : 12 VDC</p>	
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		Power Consumption : Max 3.5w Weather proof rating : IP 66 Above are the minimum requirements.	
5.	Time and Biometric Attendance System	Fingerprint capacity: 500 Transaction capacity: 50 thousand logs Data transfer: USB host client Reporting formats: compatible to HS Excel	1

ANNEXURE II**DETAILS/ PARTICULARS OF THE TENDERER/ BIDDER**

(Please fill in all details profile will be used technical evaluation and is part of the eligibility)

S.No.	Particulars	Information
1.	Name of the firm/ Company/ Entity	
2.	Registered and correspondence address of the Firm/ Company/ entity	
3.	Type of company (Pvt. Ltd./ Public Ltd./ Partnerships Firm). Attach Documentary evidence/ Year of establishment	
4.	Name of owner of firm/company	
5.	PAN No. (Attach a copy thereof)	
6.	GST No./TAN no	
7.	Whether blacklisted by Government Department, public sector, quasi-Government undertaking	
8.	Financial Status of the Company/ bidder (attach an original certificate issued by the CA.	
9.	Contact person with designation, mobile and landline number, E-mail ID, Fax no. and website.	
10.	Past experience for supply of job and equipment's to Government and other institutions.	
11.	Details of Earnest money Deposit (EMD)	<p>In case EMD is in form of Demand Draft (DD)</p> <p>DD. Dated.....</p> <p>Bank Name _____ drawn in favour of Megha Food Cooperative Society, Mendipathar, NGH, Meghalaya) at SBI Mendipathar (to be submitted with technical Bid hard copy)</p> <p>Group No.</p> <p>OR</p>

		<p>In case EMD is in form of Bank Guarantee from scheduled commercial bank on Rs. 100 Non-judicial stamp paper.</p> <p>BG No.....</p> <p>Date..... Ref. No.</p> <p>Bank Name.....</p> <p>Original Bank Guarantee to be included in with the Bid Document</p>
12.	Details of Demand Draft (Tender Fee)	<p>DD. _____</p> <p>Dated _____</p> <p>Bank Name _____ drawn in favour of Megha Food Cooperative Society, Mendipathar, NGH, Meghalaya) at SBI Mendipathar (to be submitted with technical Bid hard copy)</p>
13.	Last 3 years audited balance sheet (attach duly certified copies from CA)	
14.	Last 3 years tax assessment certificate (attach requisite certified copies)	
15.	Warranty Period (Not less than two year)	
16.	An affidavit duly certified by notary that the partners/firm or sole proprietor or company has never been blacklisted or change the name of firm	
17.	An affidavit duly certified by notary that the partners/firm or sole proprietor or company is/are not involved in any police case/vigilance enquiry pending or never punished by Honorable court	

(Signature of the Tenderer)

Name:

Seal of the Company

ANNEXURE II-B**DETAILS MACHINERY/ EQUIPMENT (GROUP WISE) BIDDER IS BIDDING FOR***(Please fill in all details, same will be used technical evaluation and is part of the eligibility)*

TECHNICAL BID					
Name of the Company/ Firm					
Address of Correspondence (1)		R.O.			
Address of Correspondence (2)		Factory/ Godown			
Contact Person's Details		Name			
		Designation			
		Phone No.			
		Email Address:			
Group	S.No.	Item No	Model	Specifications	Enclosures/ Pg. No.
1	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
2	1				
	2				
..

Note:

- Kindly specify the group number and item number for which you are bidding for.
- Add rows for every item.

(Signature of the Tenderer)

Name:

Seal of the Company

ANNEXURE III

FORMAT FOR MANUFACTURER’S AUTHORISATION LETTER TO AGENT

(on letter head)

Ref.No.

Date:

To,
Secretary,
Mendipathar Multipurpose Cooperative Society
Mendipathar, NGH, Meghalaya

Sub.: Authorization Letter

Dear Sir,

We, who are established and reputed manufacturers/Suppliers of having factory at, hereby authorize M/s..... (name & address of Indian distributor /agent) to bid, negotiate and conclude the order with you for the above goods manufactured by us. We shall remain responsible for the tender / contract / agreement negotiated by the said M/s., jointly and severally. We ensure that we would also support / facilitate the M/s..... on regular basis with technology / product updates for up-gradation / maintains / repairing / servicing of the supplied goods manufactured by us, during the warranty period. In case duties of the Indian agent/ distributor are changed or agent/ distributor is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new Indian Agent failing which we will ipso-facto become liable for all acts of commission or omission on the part of new Indian Agent /distributor.

Yours faithfully,

[Name & Signature]

for and on behalf of M/s.[Name of manufacturer]

Note: This letter of authorization should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer. A copy of notarized power of attorney should also be furnished. Only manufacturer(s) or their sole authorized distributor/ agent are eligible to bid. Authorization letter in the prescribed format (Annexure – II) from Original Equipment Manufacturer (OEM) in favour of authorized Agent to bid / negotiate / conclude the order against this tender, must be enclosed with technical bid.

ANNEXURE-IV
DECLARATION SHEET

We, hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification. This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology/ product updates and extend support for the warranty.

Phone	
Fax	
E-mail	
Contact Person Name	
Mobile Number	
GST Number	
Kindly provide bank details of the bidder in the following format: a) Name of the Bank b) Account Number c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful bidder	

(Signature of the Tenderer)

Name:

Seal of the Company

ANNEXURE-V
LIST OF ORGANIZATION/ DEPARTMENT

List of Organizations/Department for whom the Bidder has undertaken such work during last three years (must be supported with work orders)		
Name of the organization	Name of Contact Person	Contact No.

Signature of Bidder

Name:

Designation:

Organization Name:

Contact No.:

ANNEXURE: VI
CERTIFICATE OF GUARANTEE/WARRANTY (ON LETTER HEAD)

I/ We certify that the guarantee/ warranty shall be given for a period of Two (02) years starting from the date of the satisfactory installation, commissioning and handing over of the equipment and the work completed under the contract. During the guarantee/ warranty period, I/ we shall provide the “after sale service” and the replacement of defective/ or any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above guarantee/ warranty shall begin only from the date of successful installation. The benefit of change in dates of the guarantee/ warranty period shall be in the interest of the user/ your organization.

I/ We shall try to repair the equipment at Megha Foods’ premises. However, in case it is not possible to repair the equipment at Megha Foods’ premises, we will take out the equipment to our site on our own expenses. We shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till the equipment is rehabilitated to the Institute after repair. If any loss of equipment occurred during our custody, we will restore it/ compensate to Institute for such losses.

I/ We guarantee that in case we fail to carry out the maintenance work within the stipulated period, the Institute reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs / maintenance shall be adjusted against the Performance Bank Guarantee. In case the expenses exceed the amount of the Performance Bank Guarantee, the same shall be recoverable from us with / without interest in accordance with the circumstances.

I/ We undertake to perform calibration after every major repair/ breakdown/ taking the equipment out for repair from the Institute premises. I/ We guarantee that we will supply spare parts, if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.

I/ We guarantee to the effect that before going out of production of the spare parts, we will give the adequate advance notice to Institute so that Institute may undertake to procure the balance of the life time requirements of the spare parts.

ANNEXURE VII

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date:

To,
 Mendipathar Multipurpose Cooperative Society,
 Mendipathar, NGH, Meghalaya

Sub: Authorization for release of payment/ dues from Mendipathar Multipurpose Cooperative Society, through electronic Fund Transfer/RTGS Transfer.

1. Name of the Party/Firm/Company/Institute:
2. Address of the Party:
3. City..... Pin Code
4. E-Mail ID..... Mob No:
5. Permanent Account Number (PAN):
6. Particulars of Bank:

Bank Name:		Branch Name:	
Branch Place:		Branch City:	
PIN Code:		Branch Code:	
MICR No.:			

(9 Digit number appearing on the MICR Bank of the Cheque supplied by the Bank, Please attach a Xerox copy of a cheque of your bank for ensuring accuracy of the bank name , branch name and code number)

IFS Code																	
Account Type	Saving						Current						Cash Credit				
Account Number																	

DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold Secretary, Mendipathar Multipurpose Cooperative Society, NGH, Meghalaya responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Place:

Date:

Signature & Seal of the Authorized Signatory of the Party

Certified that particulars furnished above are correct as per our records

Bankers Stamp:

Date:

Signature of the Authorized Official from the Bank

N.B: Please fill in the information in CAPITAL LETTERS, computer typed; please TICK wherever it is applicable.

ANNEXURE VIII**FORMAT FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT (EMD)**

(Bank Guarantee from Scheduled Commercial Bank in lieu of earnest money on Rs. 50 non-judicial stamp paper)

Ref:

Bank Guarantee No.

Date of Issue:

The Secretary

Mendipathar Multipurpose Cooperative Society,
Mendipathar, North Garo Hills,
Meghalaya

Whereas<<Name of the bidder>> (hereinafter called 'the Bidder') has submitted the bid for Submission of TENDER REF.NO.: SFURTI-I/MGH-MMCS/P&M-001/2021-22 Group dated <<Date>> for <<Name of the assignment>> (hereinafter called "the Bid") to <<Implementing Agency>>.

Know all Men by these presents that we<<Name of the Bank >> having our office at<<Address>> (hereinafter called "the Bank") are bound unto the <<Implementing Agency>> (hereinafter called "the Purchaser") in the sum of Rs.<<Amount in figures>> (Rupees <<Amount in words>> only) for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this..... <<Date>>

The conditions of this obligation are:

- a) If the Bidder has withdrawn its Bid during the period of bid validity specified by the Bidder in the Bid; or
- b) Increases the quoted prices after opening of the Proposal and during the Bid validity period or its extended period, if any; or
- c) In case of a successful Bidder, if the Bidder fails to sign the Agreement in accordance with the terms and conditions (including timelines for execution of the Agreement) of this NIT or fails to furnish the Performance Bank Guarantee in accordance with the terms and conditions (including timelines for furnishing PBG) of this NIT; or
- d) If the bidder is found indulging in any corrupt, fraudulent or other malpractice in respect of the bid.

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:

- 1) Our liability under this Bank Guarantee shall not exceed Rs..... <<Amount in figures>> (Rupees <<Amount in words>> only)
- 2) This Bank Guarantee shall be valid up to<<insert date>>
- 3) It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this Bank Guarantee that we receive a valid written claim or demand for payment under this Bank Guarantee on or before <<insert date>>) failing which our liability under the guarantee will automatically cease.

(Authorized Signatory of the Bank)

Seal:

Date:

Name of the Signing Authority:

Designation of the Signing Authority:

ANNEXURE IX**PRICE BID****GROUP 1****BAG MAKING & FILLING SECTION****Note:**

- All Prices are in Indian Rupees
- All prices are inclusive of GST and for material delivered at site
- Please include installation, erection and commissioning wherever relevant
- All machinery should include the electrical control panels as may be required
- Wherever relevant the machinery should have capability for future IOT integration
- Suggested additional spares and accessories to be priced separately and not included in total price

S.No.	Name of Machinery	Specifications	Rate	Quantity	Amount
1.	Portable Field Straw Cutter	diesel operated straw cutter, 5 hp, 500kg/hr		5	
2.	Straw Cutting Machine	Electric motor straw cutter, 10 hp motor, 1 Ton/hr		2	
3.	Hand Pellet trucks	Hydraulic Lifting, 2500 kg		5	
4.	Steel table	Stainless Steel, 5'x2'6"		5	
5.	Dewatering Pump	5HP, low head (3 m) and high capacity water flow		2	
7.	Steel racks	MS Powder coated/ painted with 7 racks		4	
8.	Chairs	With wheels		8	
9.	Mixing & bag making machine	For mixing and filling spawn and wet paddy straw substrate. With belt conveyor for loading and screw conveyor for bag filling and two output bag filling points. Capacity : 12 bags/ min 5 kg wet substrate per bag		2	
10.	Nylon Net Jumbo bags	1.0m long x1.25widthx1.5m height nylon net duly stitched with loops at ends for sanitization of paddy straw. Mesh size 12 mm		100	
11.	Incubation room	PUF insulated panel, temperature control system, HEPA filter air curtains, humidity and air parameters sensors, exhaust fans steel racks for bags with complete design. 1500sq.ft.		1	
12.	Cold room	Bio Mass powered cold storage system with temperature to be maintained at 2 degree C. Complete system made of PUF panels including HVAC system, automated PLC system, Electronic Thermostats and all accessories. 10 MT capacity 16X 12 X9 ft		1	
	Installation, Erection & commissioning				
	Total				
	Additional suggested spares and accessories (list and price each item separately)				

GROUP 2

DEHYDRATION, POWDER MAKING & PACKAGING SECTION

Note:

- All Prices are in Indian Rupees
- All prices are inclusive of GST and for material delivered at site
- All machinery should include the electrical control panels as may be required
- Wherever relevant the machinery should have capability for future IOT integration
- Please include installation, erection and commissioning wherever relevant
- Suggested additional spares and accessories to be priced separately and not included in total price

S.No.	Name of Machinery	Specification	Rate (INR)	Quantity	Amount (INR)
1.	heat pump dehydration m/c - including trays and trolleys	Moisture removal capacity 45 kg/ hr with minimum tray area of 80 m ² Capacity – 500kg/batch		2	
2.	Electric heater-based Dehydration m/c - Tray Type including tray and trolleys	Moisture removal capacity 45 kg/ hr with minimum tray area of 80 m ² Capacity – 500kg/batch		1	
3.	Pulverizing m/c for mushroom powder	Complete system including grinding for dehydrated mushroom with input hopper and collection system Capacity – 200kg/batch		1	
4.	Steel racks	MS powder coated /painted/ Stainless steel with 7 racks 84"x 24" x 24"		12	
5.	Weighing Balance	Tabletop balance up to 10 kg with digital read out		20	
6.	Tables	Stainless Steel Food Grade 5'x2'6"		12	
7.	Chairs	Without wheels		24	
8.	Grinding machine for spices	Complete system including grinding for dehydrated spices with input hopper and collection system Capacity – 200kg/ day		1	
9.	Pickle mixing machine	Food grade stainless steel for parts in contact with food material MS for frame and all other parts Capacity – 40kg/ day		1	
10.	Oil containers	Food grade stainless steel oil containers with lid 100 ltr		2	
11.	Trays	Food grade Stainless Steel with rounded edges - 24"x18"x10"		20	
12.	Pouch vacuum sealing machine	Food grade for dehydrated foods		2	
13.	Powder Bag filling &	Semi-automatic machine for		1	

	sealing machine	dehydrated mushroom powder filling with SS Hopper outlet ball valve, semi-automatic weight filler and band sealer Capacity of 100 kg /day for 100 gm bags. 100 gm – 1 kg			
14.	Pouch sealing machine	For pickles		1	
15.	Carton Strapping machine	Semi-Automatic		1	
	Installation, Erection & commissioning				
	Total				
	Additional suggested spares and accessories (list and price each item separately)				

**GROUP 3
SPAWN LAB SECTION**

(only comprehensive bids to be submitted for Group 3 as defined in clause 4.1, S. No. 12 of Technical Bid)

Note:

- All Prices are in Indian Rupees
- All prices are inclusive of GST and for material delivered at site
- All machinery should include the electrical control panels as may be required
- Wherever relevant the machinery should have capability for future IOT integration
- Suggested additional Equipment, spares and accessories to be priced separately and not included in total price
- Price Bid is for Complete turnkey project including Design of process, material flows, standard operating procedures, installation & commissioning , trial runs and handholding support

PART A

S.No.	Name of Machinery	Specification	Rate (INR)	Quantity	Amount (INR)
Major Equipment					
1.	Drum Sieves	Drum sieve with water jet spray for cleaning of wheat / other grains MOC: Rotating Drum of stainless-steel perforated sheet. Supporting Structure: Mild steel angle and channel framed sturdy structure. Equipped with water jet spraying arrangement through motorized pump. Capacity: Approx. 500 Kg/Day on 1 shift basis.		1	
2.	BOD Incubator	Double wall, steel sheet, inner chamber stainless steel and other non contact areas of Mild steel, digital temperature controller, temp. control from 5°C to 60°C +/- 0.5°C, safety thermostat, high voltage safety cutoff, plexi glass inner door, with air blower, inner illumination with LED/ fluroscnt light, suitable voltage stabilizer, refrigeration by hermetically sealed compressor. Supply complete with plug, cable, switch and 5 nos tray made of Stainless Steel Perforated sheet. Inner Chamber Capacity: 350 litres.		2	
3.	Laminar Air Flow system	Main shell is of high compressed board/ wood finished with laminated sheet. Work surface covered by Stainless steel sheet. Side screens made of 6 mm thick plate glass sheet, framed checked to ensure leak proof. Mild		4	

		<p>steel sheet fabricated epoxy painted With UV lights, horizontal clean air cabinet, tested for cross contamination and product protection using microbiological test methods, colourless and transparent UV absorbing tempered glass to enhance visibility, HEPA filter, additional disposable pre filter with 80% arrestance to trap large particles, completely integrated assembly to optimize motor cooling High efficiency HEPA 24 x filter With an efficiency rating 99 % + pre filtration. Illumination by fluorescent tube light with its Operation switch on control panel. Front door of 5 mm thick acrylic sheet, One no 36" Long ultra violet of 15 watt with its accessories and operating Switch on control panel.</p> <p>Supply complete with plug, cable, switch etc.</p> <p>Working dimension: 4' x 2' x 2'</p>		
4.	Steam Autoclave (vertical)	<p>Min Working pressure up to 25 psi</p> <p>Double walled construction with inner working chamber fabricated from Stainless steel sheet argon welded on all its joints to make it leakproof. Lid is made from 304 type Stainless steel plate, highly polished. The Inner chamber is welded with Stainless steel ring. Outer jacket of mild steel sheet, finished in powder coated paint supported on heavy-duty cast iron legs. Paddle lifting arrangement of lid to be provided.</p> <p>Kettle type immersion heater to generate steam pressure. The autoclave should be equipped with pressure Gauge, safety valve, steam release cock, cast iron tightening Nuts, neoprene gasket and Stainless-steel basket. Autoclave conformance to national and international standards</p> <p>Capacity : 100 Ltr.</p>	1	
5.	Steam Autoclave (horizontal)	<p>Min Working pressure up to 25 psi</p> <p>Double Walled Dual Chamber – One for Steam Generation and the other Sterilizing Chamber fabricated from 2.5 mm thick 304 grade Stainless steel sheet, all joints argon welded and polished. Equipped with Radial Locking System to tighten the unit properly,</p>	2	

		<p>Pressure gauge, Safety Valve, Pressure Control Switch and Stainless steel Trolley. Temperature Indicator cum Controller with PT-100 Sensor.</p> <p>Conformance to national and international standards, with audio and visual alarms, MCB for electrical safety, flexible sensors, single lever closure system</p> <p>Inner Chamber Brimful Capacity : 500 litres.</p>			
6.	Steam Generator/ Boiler	<p>Fabricated from prime quality Mild steel plate of 10mm thickness, in three parts – Oven, Pre-Heater, Steam Generator and Steam Exhauster.</p> <p>Heated by Gas Burner or Diesel fired Burner. All joints are properly welded to make it safe and leak proof.</p> <p>Equipped with Big Gas Burner or Diesel Burner with Air Blower Pressure gauge, Safety Valve, Pressure Control Valve, Water inlet line with NRV, Water Gauge Glass, Steam outlet and water outlet</p> <p>Capacity to meet requirement of autoclaves: Approx. 75 Kg steam per hour</p>		1	
7.	Mixing and bag filling machine	<p>Semi automatic with volumetric/ weight cutoff for filling spawn bags Stainless steel Hopper with stainless steel Ball valve or Damper to pour the wheat/cereal into Polybag, with Stand and platform for Weighing scale</p> <p>Weighing Scale of 1000 Gm Capacity</p> <p>Capacity – 50 bags of 1 kg/ hour</p>		1	
8.	Frost free display Refrigerator with large volume freezer	350 ltrs or above		1	
9.	Boiling kettle	<p>Double walled SS 304 sheet. Tilting device of kettle operated by handle and worm gear with all pressure gauges and safety valve</p> <p>Capacity – 100 ltr</p>		2	
10.	Hot air sterilizer (oven)	<p>Double walled construction, inner chamber made from Stainless steel Sheet. Outer cabinet fabricated from mild steel sheet, finished in powder coated paint, 75 mm Thick layer of glasswool insulation between two walls to prevent loss of heat.</p>		1	

		Digital temperature indicator cum controller within temp. ranging from 50 C to 250 C . Supply complete with plug, cable, switches and G. I. Wire netting shelves. Size - 605 X 605 X 605mm (24"x24"x24")			
11.	pH meter	Digital readout Range 0 – 14 pH, Resolution 0.01 pH Stability : 0.01 pH per hour. Relative accuracy : +-0.02 pH +- 1 digit. mV Range : 0 to +- 1999 mV. Resolution : 1 mV.		1	
12.	Compound Microscope Trinocular/ Binocular with computer/laptop attached facilities	Digital Trinocular Microscope USB output and digital camera with 5 mega pixel cmos sensor. Magnification capacity 50X to 1000X With computer/laptop attachment/data transfer facilities		1	
13.	Desktop Computer system (Complete fitting)	Pentium core i3 or equivalent Windows 10 based operating system 17" screen with software/s for readouts from microscopes.		1	
14.	Incubation Room	Heating Ventilation and Air handling , management systems and instrumentation . Complete system including Heating air conditioning systems with exhaust, humidity and temperature measurement and management systems. Civil works (RCC/brick and mortar) finished for the incubation room will be provided by customer with tiled floor Temperature maintenance at 24deg c +/- 2% Bidder to provide complete list of equipment with prices separately for each item 500 sq. ft room area . Complete HVAC and monitoring system1		1	
15.	Steel racks for incubation	Powder coated Mild Steel with 7 racks 8' x4'x2'		20	
16.	Cold store for spawn storage	Complete Room made with PUF panels for storage of spawn at 2 deg centigrade including complete design and air handling system. Please provide design details. 16'x12'x9'		1	
Other Equipment					
17.	Spirit lamp	-		2	
18.	Inoculation needle	-		4	

	& loop				
19.	Pestle & Mortar	-		2	
20.	Hygrometer	-		1	
21.	Digital temperature & humidity measurement	-		1	
22.	Scissors	-		4	
23.	Weighing machine (digital microbalance)	-		2	
24.	Water purification system (RO)	Commercial grade upto 50 ltr per hr capacity		1	
25.	Microwave	-		2	
26.	Sprayer	16 ltr capacity		4	
27.	Platform balance	2 quintal balance		2	
28.	Belcha	-		12	
29.	Spades	-		12	
30.	Bucket	-		20	
31.	Sieve (2mm)	-		4	
32.	Wooden cellaret for keeping instruments	-		2	
33.	Table with rack (executive)	5x3 ft		2	
34.	Chairs	-		10	
35.	Stool	-		6	
36.	Racks for inoculation and incubation room	Powder coated Mild Steel with 4 racks 8x4x18 ft		4	
37.	Double distilled water assembly with auto cut	-		1	

Glass Ware and Miscellaneous Other material

- All material required for trial runs including but not limited to the below List
- Additional Material required may be added to the list and price provided separately

38.	Conical Flask Borosil	250ml, 500 ml		40 each	
39.	Beaker	250ml, 500ml, 100ml		10 each	
40.	Petri Plates	75 mm, 100 mm		10 each	
41.	Test tube	12x100mm, 15x150mm		20 each	
42.	Slide and cover slip	Slide 60x22mm; cover slip 18x18mm		8 each	
43.	Burette	25 ml, 50 ml		8 each	
44.	Pipette	Cap.0.1ml., 0.2ml., 1 ml., 2 ml., 5ml., 10ml		8 each	
45.	Glassware racks	-		4 no.	
46.	Test tube stand	Aluminium 15mm and 18mm dia. x 24 holes		16	
47.	Whatman filter paper 41, 42	125 mm		16 no each	
48.	Blotting paper	46x56 cm		4 rim	
49.	Wash Bottle	250 ml, 500 ml		8 each	
50.	Agar-Agar	-		4 kg	
51.	Dextrose	-		4 kg	

52.	Cotton role (absorbent & non- absorbent)	250 gm each		80 no.	
53.	Cotton blue	-		800 ml	
54.	Streptomycinsulpha te	-		80 gms	
55.	Spirit	-		8 ltrs	
56.	Formalin	-		20 ltrs	
57.	Bavistin	-		4 kg	
58.	Polythene bag	60x45 cm2		2000	
59.	Polythene sheet 500 gauge	8x15 mtr		4	
60.	Glass bottle for spawn	-		800 nos	
61.	Calcium sulphate	-		80 kg	
62.	Calcium carbonate	-		8 qt.	
63.	Gypsum	-		8 qt.	
64.	Urea	-		8 qt.	
65.	Wheat grain	-		8 qt.	
66.	Wheat straw	-		200 qt	
67.	Wheat brawn	-		40 qt	
68.	Chicken manure and other manures etc	-		25 qt	
69.	Volumetric flask	500 ml, 1 ltr & 2 ltr		-	
70.	Hand gloves	-		100	
71.	Yeast extract mannitol agar medium (YEMA media)	-		2 kg	
72.	Nutrient Agar media	-		2 kg	
73.	Martin Rose Bengal agar media	-		2 kg	
74.	Charcoal powder	-		40 kg	
75.	Nutrient broth media	-		4 kg	
76.	Glass rod	-		20	
77.	Glassware/ Pipette washer	-		1	
Installation, Erection & commissioning					
Total					
Additional suggested spares and accessories (list and price each item separately)					

PART B

S.No.	Description	Specification	Quantity	Amount (INR)
1.	Design support	Detailed process flow design, material flow and layout and Standard operating procedure of spawn lab for 300 kg of spawn production per day. Include details on consumables and respective quantities for the desired production level. Bidder to furnish the complete process flow with diagram, plan and utilization. Process flow design may include suggestions for cost reduction in equipments without compromising quality and or productivity and should be as per govt. certification norms.	LS	
2.	Operational Support	One month operational support. One technical person to be placed at site for 1 month operational support and online support for period of 1 yr.	LS	
	TOTAL			
	GRAND TOTAL (INCLUDING PART A & B)			
	DONOT INCLUDE PRICE OF ADDITIONAL SUGGESTED ITEMS, SPARES & ACCESSORIES			

**GROUP 4
UTILITIES SECTION**

Note:

- All Prices are in Indian Rupees
- All prices are inclusive of GST and for material delivered at site
- All machinery should include the electrical control panels as may be required
- Wherever relevant the machinery should have capability for future IOT integration
- Please include installation, erection and commissioning wherever relevant
- Suggested additional spares and accessories to be priced separately and not included in total price

**Part A
Electrical Supply System**

S.No.	Name of Machinery	Specification	Rate (INR)	Quantity	Amount (INR)
1	Backup generator	Backup Diesel generator of minimum 200 kvA , silent type <75 dBA Kirloskar/Cummins or equivalent engine with complete electrical panels		1	
2	Electrical Transformer	300 kvA transformer with power control panels		1	
	Installation, Erection & commissioning				
	Total				
	Additional suggested spares and accessories (list and price each item separately)				

**Part B
Other Utilities**

S.No.	Name of Machinery	Specification	Rate (INR)	Quantity	Amount (INR)
1.	Rainwater harvesting	Rainwater harvesting system of 100 m ³ capacity		1	
2.	Solar street lights	11 W LED lights with solar panels, battery and 3 m poles as per department norms.		20	
3.	Wastewater treatment and recycling system	100 m ³ / day recirculation system and 20 m ³ per day water discharge system. Including water softening plant of 20 m ³ per day capacity, equalization tanks, piping, fittings etc. and all accessories. Bidder to provide complete technical design with all equipment details		1	
4	CCTV Camera with DVR and HD Camera	<ul style="list-style-type: none"> • The Video Surveillance system should be an analog video surveillance system. It should 		8 cameras with DVR and	

		<p>consist of a fully pentaplex DVR which should be able to Display, Record, Playback, Network, Backup simultaneously.</p> <ul style="list-style-type: none"> • DVR should be networkable and should be accessible by any remote user. This feature should be password protected. • The DVR should store / record the video from the cameras in H.264 compression for optimized storage. • The DVR should perform video motion detection. • The system should have feature to download video remotely • Each camera should have a video at HD (720P) and 25 frames for viewing the videos during live as well as for recording purpose at least 4 nos. The recording shall be stored for at least 60 days. <p>DVR: Video Compression : H.264 Analog Video Input : 16 Channel 32 Channel HDMI/VGA Output : 1 @ upto 1920 x 1080P Encoding Resolution : 720P / WD1 / 4CIF / CIF Dual Stream : Supported Stream type : Video Synchronous Playback : 16 Channel Playback resolution : 720P Network protocols : TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SNMP, SMTP, NFS, ISCSI, UPnP, HTTPS Hard Disk : 1 SATA Interface Capacity : Up to 6 TB capacity for each disk Network Interface : 1:10M / 100M self-adaptive Ethernet interface USB port : 2 x USB 2.0 Power Supply : 12 VDC Consumption : < 8 w (without hard disk or DVR R/W) Working temperature : -10 C to 55 C Working humidity : 10% ~ 90%</p>	computer	
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		<p>VARIFOCAL LENS – HIGH-DEFINITION CAMERA: Image Sensor : 1/3” Progressive Scan CMOS Effective Pixels : 1280 (h) x 720 (v) Min. Illumination : 0.001 lux @ (F1.2, AGC ON), 0 Lux with IR Shutter speed : 1/25 (1/30)s to 1/50,000 s Lens : 2.8 mm to 12 mm @ F 1.4 Angle of view : 80 – 27.2 degree Lens mount : M12 Angle adjustment : Pan 0 – 360 degree, Tilt 0 – 75 degree, Rotation 0 – 360 degree Day & Night : ICR Synchronization : Internal synchronization Video frame rate : 720p @ 25 fps / 720p @ 30 fps HD video output : 1 Turbo HD output S/N Ration : More than 52 db Operating temperature: - 10 C to 60 C Operating Humidity : 90% or less (non-condensing) Power Supply : 12 VDC Power Consumption : Max 3.5w Weather proof rating : IP 66</p> <p>Above are the minimum requirements.</p>			
5.	Time and Biometric Attendance System	<p>Fingerprint capacity: 500 Transaction capacity: 50 thousand logs Data transfer: USB host client Reporting formats: compatible to HS Excel</p>		1	
	Installation, Erection & commissioning				
	Total				
	Additional suggested spares and accessories (list and price each item separately)				