



Bio-Resources Development Centre

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

5½ Mile, Upper Shillong, Shillong – 793009, Meghalaya.



0364-2561530 |



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GOVERNMENT OF MEGHALAYA

BIO-RESOURCES DEVELOPMENT CENTRE(BRDC)

Request For Quotation (RFQ)

FOR

**Procurement of Additional Equipment at Quality Control and Analytical Laboratory
(QCAL) BRDC Experimental Farm, Upper Shillong**

**Joint Secretary to the Govt. Of Meghalaya,
Planning Department &
Member Secretary,
Bio-Resources Development Centre, 5½ Mile, Upper Shillong.**

REQUEST FOR QUOTATION

Procurement of Additional Equipment at Quality Control and Analytical Laboratory (QCAL) BRDC Experimental Farm, Upper Shillong

Purchaser: *Bio-Resources Development Centre*

Contract title: *Procurement of Additional Equipment at Quality Control and Analytical Laboratory (QCAL) BRDC Experimental Farm, Upper Shillong*

RFQ No: E-File No: P3-PLN/BRDC/01320/2024/NF/2

S#	Description	Date & Time
1	Date of Issue of RFQ	19 th July, 2024
2	Last Date and Time of submission of RFQs	31 st July , 2024 at 2:00 P.M
3	Opening of RFQs	31 st July, 2024 at 2:30 P.M

**INVITATION FOR QUOTATIONS FOR PROCUREMENT OF ADDITIONAL EQUIPMENT
AT QUALITY CONTROL AND ANALYTICAL LABORATORY (QCAL) BRDC
EXPERIMENTAL FARM, UPPER SHILLONG**

TO

Dear Sir/Madam,

**Subject: Invitation for quotations for Additional Equipment at Quality Control and
Analytical Laboratory (QCAL) BRDC Experimental Farm, Upper Shillong**

You are invited to submit your most competitive quotation for the following goods as per the mentioned lots below: -

***Detailed Specifications given at Annexure I**

Sl#	Brief Description of Goods	Qty	Consignee Address	Delivery Period
1	Automated analyser(fat)	As per requirements	As mentioned in T&C Cl. 4	To be mentioned in the Supply Order.
2	Bottle top burettes			
3	Thermocouple sensor			
4	Solvent storage cabinet			
5	Acid Storage cabinet			
6	Mercury Thermometer			
7	Nitrogen generator (other than LC-MS-MS)			
8	Digital Stop Watch			
9	Gas Flow meter			
10	Real-Time PCR Machine			
11	Water Bath			
12	Laminar Airflow			
13	Computer			
14	Centrifuge			

Terms and Conditions

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

6. Qualification of Bidders

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

7. Validity of Quotation: Quotations shall remain valid for a period not less than 180 days after the deadline date specified for submission.

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

- a. Valid trading license/registration or equivalent/Exemption Certificate
- b. Valid certificate of GST registration
- c. Self-declaration to the effect the bidder is not insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances.
- d. Self-declaration that the bidder's business activities are not suspended or debarred from public procurement by the State Government of Meghalaya, any other State Government or Government of India.
- e. Experience Criteria: Copies of contract/s or purchase orders or completion certificates issued on the name of the Bidder demonstrating its experience in similar product/services in the last 3 years (2020 – 2023)
- f. Audited Financial Statements of last three years (2020 – 2023) demonstrating the average annual turnover of INR 20 lakh

9. Warranty/Guarantee: Normal commercial warranty/ guarantee shall be applicable to the supplied goods (extended warranty) if required will be mentioned in the technical specifications.

10. You are requested to provide your sealed quote latest by 2:00 P.M on 31st July, 2024. Quotations that have been submitted on or before time will be opened at 2:30 P.M on 31st July, 2024 or it will be extended to the next working day.

11. Late and delayed quotation: Late and delayed quotations will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date, the next working day shall be the prescribed date of closing/opening.

- 12. Payment:** Payment will be made within 30 days from the date of successful delivery and acceptance of goods at BRDC Shillong, generally through RTGS / FUND TRANSFER. Following information must be clearly written in the quotation for RTGS / FUND TRANSFER: -
- (a) Name of the Firm with complete postal address
 - (b) Name of the Bank with Branch where the Account exist
 - (c) IFSC CODE
 - (d) ACCOUNT No
 - (e) PAN No.
- 13. Installation Charges:** Supplier shall be responsible for installation whichever applicable and should have technical expertise and trained personnel to render “After Sales Services” during the warranty period.
- 14.** Expenditure involves towards any extra materials required or labour involved for successful installation of the equipment, if not quoted for, would have to be borne by the tenderer.
- 15.** Rates should be quoted as per format in ANNEXURE 1: FORMAT OF QUOTATION
- 16.** We look forward to receiving your quotations and thank you for your interest in this bid.

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

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

A. GENERAL TERMS AND CONDITIONS (For Equipment & Furnishing Supply)

1. Valid Authorization letter (Tender specific) mentioning the above Tender no. from the Relevant Manufacturer for supply & participation in Tender as per *Annexure*
2. High Quality Standards/ISO certificate and other certificates as specified in Specification Sheet
3. If required, Qualified Bidders shall arrange a demonstration of the equipment, preferably in the office of **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya**. The Bidder shall demonstrate the Equipment at office of **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** on date fixed by the technical committee duly constituted by competent authority. Failure to arrange for a demonstration on the given date may lead to cancellation of the bid. Cost of organizing such demonstration shall be borne by the bidder.
4. Tenders should be quoted only by the actual manufacturer or their authorized distributor. The bidder is responsible for the supply of stores. If the Principal Manufacturer withdraws rights of distribution from the bidder during validity period of rate contract, **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** has the right to cancel the eligibility of the bidder and accept the candidature of new coming authorized distributor. For supplying items at approved rates, new coming firm may have to deposit the EMD, subject to approval from the authority.
5. The model of the equipment offered should not be obsolete /out of production for next 5 years.
6. Warranty period (Onsite Warranty including Spare Parts & Labour etc.)
 - 6.1. Bidder and Manufacturer should give an undertaking stating that "The equipment being offered is the latest model as per the specifications and the spares for the equipment will be available for a period of at least 3 years after the warranty period.
 - 6.2. Bidder should quote all the items; partial quote may lead to rejection of tender.
 - 6.3. Guarantee/warranty to the effect that before going out of production of spares parts, the manufacturers and/or Bidders will give adequate advance notice to the purchaser of the equipment so that the later may undertake to procure the balance of the life time requirements of spare parts.
 - 6.4. The supplier warrants comprehensively for Onsite Warranty including Spare Parts & Labour etc. that the Equipment/Stores supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the Equipment/stores supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications) or workmanship or from any act or

omission of the supplier that may develop under normal use of the supplied Equipment under the conditions prevailing in India

- 6.5. No conditional warranty like mishandling, manufacturing defects etc. will be acceptable
- 6.6. Comprehensive Warranty should be inclusive of all accessories and Turnkey work.
- 6.7. Replacement and repair will be under taken for the defective Equipment/Stores
- 6.8. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 6.9. The firm will be required to warranty/guarantee that during the warranty period as well as during the service contract period, the equipment including the accessories will be maintained in good working condition for a period of 347 days out of a period of 365 days (i.e. 95% uptime).
7. Undertaking from the manufacturer is required to assure that the items manufactured are complied with the specification mentioned in the tender.
8. Upon receipt of such notice, the supplier shall, within 48 hours on a 24 X 7 X 365 basis respond to take action to repair or replace the defective Equipment/Stores or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/Equipment/stores after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/Equipment/stores thereafter. The penalty clause for non- replacement will be applicable as per tender conditions mentioned above or as decided by the **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya.**
9. The Bidder hereby declares that the goods/equipment/stores/articles supplied to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and the particulars contained/mentioned in the clauses here of and the Bidder hereby guarantee/warranty that the said goods /equipment / stores/ articles conform to the description and quality aforesaid. The purchaser will be entitled to reject the said goods/equipment/stores/articles or such portion thereof as may be discovered not to conform to the said description and quality as follows: -
10. Bidder should state categorically whether they have fully trained technical staff for installation/commissioning of the equipment and efficient after sales services.
11. It is specifically required that the Bidder will supply all the operating and service manuals along with blue-prints and drawings including circuit diagram of the equipment supplied as well as its components.
12. If the supplier, having been notified, fails to respond to take action to replace the defect(s) within 48 hours on a 24 X 7X 365 basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier

13. During Warranty period, the supplier is required to visit at consignee's site at least once in 3 months commencing from the date of the installation for preventive maintenance of the Equipment/Stores.
14. Onsite GUARANTEE/WARRANTY inclusive of all Spares and Labour: - The bidder will give an onsite guarantee/ warranty for trouble free functions and maintenance of the equipment including spares and labour from the date of installation, commissioning and acceptance of the equipment.
15. Bidders are required to quote strictly as per specification of the equipment. Deviation to specification must be brought out clearly giving deviation statement in Annexure.
16. The rates quoted by the successful bidder may be used for procurement of individual items in other hospital/institution across the state as and when required.
17. Additional features (in case of equipment), if any, should be listed separately in the offer.
18. The Firm should confirm that the equipment is brand New, is of latest technology and have facility for up gradation, if necessary
19. The minor nature in works like minor Electrical/Civil Works, if required for Equipment installation, will be carried out carry out and borne by the Successful bidder, and for this purpose no extra payment, what so ever wilt not paid by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** to any bidder.

Note: All bidders should quote equipment/items with following approved standards/requirement:

- a) All equipment should be as per the approved quality standard.
- b) Manufacturer/Suppliers should have ISO certification for quality standards
- c) Manufacturer should have USFDA/CE certification.
- d) Quality Certificates as per product specification is to be provided.
- e) Electrical safety conforms to standards for electrical safety.
- f) All Literature (Log Book Maintenance Record/Troubleshooting/Operation Manuals etc.) supplied with each of equipment by Principal Manufacturer should be in Original
- g) All consumables required for installation and standardization of equipment should be supplied free of cost with Equipment.
- h) All required Training to the associated concerned staff at Client should be organized by the Bidder on his cost.
- i) As stated in the detailed specification of individual items in Appendix II.

B. OPENING OF TENDER

1. **Bids will be open in two stages.**

1.1 Sealed Cover A: Technical Bid

1.2 Sealed Cover B: Financial/Price Bid

2. At the time of opening only first cover (Sealed Cover A) containing the technical bid shall be opened at the first stage and the second cover (Sealed cover B) containing financial bid shall be opened after qualifying the technical bid. The date, time and venue for second stage opening will be intimated separately by the Tender Inviting Authority (TIA) only to selected/qualified bidders
3. The Tender document in Sealed Cover A will be opened by the **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong** or such officer as may be authorized on his behalf in the office of **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** as mentioned in the NIT in the presence of the Bidder or their authorized representative as may be present. In case the above date is declared as holiday, the tenders will be opened on the following working days at the same time as stated above.
4. **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** reserves the right to open or not to open the priced Bid in Sealed Cover B of any reason (s) thereof.
5. Venue of Tender Opening: **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya.**
6. The validity of the tender shall remain valid for 180 Days from the date of opening of the tender.

C. GENERAL GUIDELINES:

1. **EARNEST MONEYDEPOSIT AMOUNT:**

Bidder needs to deposit the EMD Amount in the form of DD/FDR/Bank Guarantee in favor of “**Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** and a copy of EMD in Sealed envelope should be submitted along with pre-qualification/ technical documents in the Technical Envelope.

- 1.1 The EMD shall be returned back to unsuccessful bidders within a period of eight (8) weeks from the date of execution of the agreement subject to the receipt of a written application addressed to the “**Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya**. The return of EMD shall not carry any interest Component.
- 1.2 The EMD / Security Deposit shall liable to be forfeited in the following circumstance when the,

- a) Tender is rejected due to failure to furnish the requisite documents in the proper format or giving any misleading statement or submission of false affidavit or fabricated does.
- b) Party fails to sign the agreement for entering into contract in case the offer is accepted, due to any reason whatsoever.
- c) Party fails to supply the goods/items as per the orders/ Rate Contract (R.C) placed by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** within the delivery period so stipulated.
- d) Party(ies) who fails to replace correct the supplied materials pre-printed stationers declared to be wrong/ different from specification and RC holder/ successful bidder have to refund the cost of such goods.

2. INSTRUCTIONS:

- 2.1 Please mention clearly on each sealed cover the annexure, meant for.
- 2.2 The main cover should be addressed to the O/O **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya.**
- 2.3 The Bid should be dropped in the box provided for this purpose in the office of **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya.**
- 2.4 All documents submitted should be properly page numbered. Signed and should have appropriate and relevant contents.
- 2.5 Index sheet of each document should be submitted for ease and fast documentations verifications.
- 2.6 Bid documents that do not provide complete information and/or that are submitted after the above specified date or time shall be rejected
- 2.7 Bidder should quote their prices in the schedule format supplied in this tender (Annexure B) form giving the breakup of prices. Tender received in any other form will not be entertained.

3. SECURITY DEPOSIT:

- 3.1 The Successful Bidders EMD will be retained as security deposit until the completion of the work/contract. The security deposit may be refunded on a receipt of written application addressed to The **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya.**

4. PRICES:

- 4.1 The price offered in the tender should be as per the structure requested in the Tender document Annexure-B.

- 4.2 All Quotes shall be in Indian Rupees and duly attested in case of any corrections. All freight costs & Transit insurance are to be borne by the bidder.
- 4.3 In case of imports, all duties and any other costs (foreseen or unforeseen) have to be borne by the bidder and to be clearly indicated in the quote.

5. Evaluation of Bids:

- 5.1 Technical evaluation of the items tendered will be done by a Technical Committee constituted by the **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya.**
- 5.2 Specifications for each of the items will be as detailed in the respective Appendix I and II
- 5.3 Tenders submitted with technical and commercial bid will alone be considered for evaluation.
- 5.4 The commercial bids of Bidder who are successful in Technical Evaluation only would be considered.
- 5.5 The decision of the Committee formed by Purchaser would be final.
- 5.6 The criteria of award shall be QCBS and marks shall be allotted as mentioned below :-

Sl. No.	Category	Description	Maximum Marks	Criteria
1	Work Experience	Previous Experience in Furnishing Works	20	Bidder having highest value of work orders shall be awarded maximum marks. Other bidders shall be awarded marks according to pro-rata basis.
2	Financial Competence	Financial data of the last three years in the format. Audited Balance Sheets, Profit & Loss Accounts and Income Tax Clearance Certificate also need to be enclosed.	15	Average Turn-over of last 5 years above 30 crores – 5 marks Net Profit positive for last 3 financial year – 5 marks Bankers Solvency Certificate of above 10 crores - 5 marks.
3	Layout Plan & Site Survey	Bidder has to submit a site survey drawing and tentative layout plans including sectional drawings of the buildings as mentioned in the bid documents.	15	Land Survey Drawing – 5 marks Building Layouts – 5 marks Sectional Drawing – 5 marks
4	OEM Authorizations	Authorization as per format shall be required by the bidder for quoting of the products.	15	If all Authorizations submitted by the bidder, it shall be awarded straight 15 marks. However, if any authorizations are missing 5 points shall be deducted for each missing authorization.
5	Quality Certifications	In-case of Furnishing and Equipping Quality and Standard Certifications obtained by OEM and the product being offered as mentioned in the detailed specification.	20	If all specifications and certifications matched, bidder shall be awarded 20 marks. However, if any certifications or specification is deviated 5 marks shall be deducted for every omission/ deviation.
6	Supply Experience	Previous Experience in Supply Works	15	Bidder having highest value of work orders shall be awarded maximum marks. Other

				bidders shall be awarded marks according to pro-rata basis.
		Total	100	

Qualifying Marks for Technical Bids: 50/100 overall. Only commercial bids of those will be opened whose score is above 50 marks. Further, for the purpose of determining of successful bidder, 75% weightage shall be given to the technical score and 25% weightage shall be given to financial proposal. The bidder with the highest Final Score shall be awarded the contract.

5.7 The rates quoted in this tender can be used for any future works of similar nature and can be awarded to the successful bidder as the case may be.

6. Quality Standards:

6.1 The Bidder/Manufacturers are to meet the approved Quality Standards or any other reputed standard by the Country of Origin. The evaluation would be done by the technical committee at the time of technical evaluation

6.2 During period of the contract, Bidder shall confirm to the approved quality standards wherever applicable and would be given priority over others.

6.3 Bidder should supply equipment/goods which comply with the approved quality standard failing which payment of the same will not be made.

7. Sample Evaluations:

7.1 Samples whenever required, for valuation shall be provided by the Bidder at free of Cost.

7.2 The product should fulfill technical specification as per the approval quality standard or any other reputed standard by the Country of Origin.

7.3 In case bidder quoted more than one item for a particular item, during technical round the Tender committee will select one item only according to quality satisfaction & the price bid of the selected item only shall be taken into account.

7.4 The Tender committee has the right to reject any sample in case the sample quality is found unsatisfactory and bidder has no right for any objection.

8. Quantity Division:

8.1 Each delivery schedule of requirement incorporate in the tender enquiry document will be ordered from the responsive successful bidder. However, it is the purchaser's decision to assess the capacity of the successful bidder to support the requirement.

9. Authority for signing Tender Documents:

9.1 A person signing the Tender Form or any document, forming pair of the contract on behalf of the Bidder, shall carry the authorization letter stating his/her authority to sign such documents from the respective organization.

9.2 Any Agent who is participating on behalf of a manufacturer shall have the Valid authorization Letter from the manufacturer to sell the goods in the area where the tender is meant for, without which the bid will not be considered as valid

10. **Responsibility for Performance of Contract**

10.1 The Bidder shall be entirely responsible for the performance of the contract in all respects in accordance with the terms and conditions as specified in the Contract. The Bidder shall not sublet, subcontract, transfer or assign the contract.

11. **Quality Inspection:**

11.1 For every unit supplied by the Bidder, the conformance to the Specifications mentioned in the Tender shall be established by the Bidder.

11.2 Bidder represents and warrants that it shall fully comply with all written quality assurance requirements or instructions of the **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya**, and as amended from time to time at the sole discretion of the **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya**. Bidder further represents and warrants that the Product supplied by the Bidder in strict compliance with all applicable central, state and local laws.

11.3 The Bidder shall maintain the highest standard of quality in the Product. Bidder shall follow and abide by all directions, requests, suggestions or instructions of **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya** regarding the quality standards required by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya** in connection with the manner of Packaging, storage and delivery of the Product.

11.4 The Bidder shall facilitate in-process and/or Pre-delivery inspection by the Representatives of the Purchaser, as and when, the same is required by the Purchaser.

11.5 Notification by Bidder-Incase of inspection at the Bidder's premises, notice in writing shall be sent by the Bidder, sufficiently in advance, to the Purchaser when the items to be supplied, are ready for inspection.

11.6 Rejections -At delivery, **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya** in its sole discretion may reject any Product produced or manufactured by Bidder for any reason, including Non-compliance with standard quality or any other reputed standard, but not limited to defects, or failure to meet approved quality standards,

etc.

11.7 Removal of Rejections - Any supplies inspected and rejected at the Purchaser's premises must be removed by the Bidder, within 7 days from date of receipt of intimation of rejection of supplies in case of indigenous Bidder & 28 days in case of foreign Bidder. If the rejected goods have already been paid for (partly or fully), the Bidder shall before removal of rejected goods, either deliver correct replacement goods at Purchaser's premises completely free of cost (including cost of goods, freight, taxes, duties etc) or refund the payment received as well as make full compensation for freight taxes, duties etc. Such rejected items shall lie at Bidder's risk from the time of such rejections and if not removed within the above time limit. The Purchaser shall have the right to dispose off the said rejected materials as he may deem fit without any financial obligation to the Bidder.

11.8 If found that the Successful Bidder is incompetent to complete the works as requested, in such a situation, the proposal may be reviewed for award of the contract to the next qualifying bidder or go for a fresh bid depending on the circumstance. No form of compensation shall be payable in any form whatsoever to the forfeited firm. In case it is decided to go for the next qualifying bidder, negotiation may be considered to bring down their price nearer to the originally Evaluated or Lowest bidder

12. Bidders Responsibility:

12.1 Under any circumstances, no Bidder shall supply the goods, in which recycled materials are used-disposables to **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya**). If the Centre finds any such instance, it will lead to cancellation of Purchase Order and subsequent severe punitive (legal and financial) actions by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya**). However, all the consequential costs are to be borne by the Bidder to **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya**).

12.2 The Bidder is responsible for the delivery of the goods in satisfactory condition and without any loss or damage at the final destination and until the same is actually received by the Purchaser at its works or other place of final destination. For this purpose, goods carried by the roadway or other carrier shall be deemed to be carried at the risk of the Bidder. If on inspection at final destination the Purchaser discovers any discrepancy, the Purchaser will be entitled (not-with-standing that the property of goods shall have passed on to the company) to refuse acceptance of the goods altogether and claim damages and/or cancel the contract and buy its requirement in the open market at the risk and cost of the Bidder, reserving always to itself, the right of forfeiture of any

amount found due and payable or the deposit, if any, placed by the Bidder for the due fulfillment of the contract as also to recover any amount, if already paid.

13. Responsibility for proper packing, wherever required:

13.1 The Bidder shall be responsible for the items being sufficient and properly packed, for transport by rail/road/sea/air/ or any combination of the above, so as to ensure their being free from loss or damage on arrival at the destination.

13.2 In case if a bidder has got successful or more than one item, the supply shall be packed in lot, as per the instructions of **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Shillong-793009, Meghalaya.**

13.3 Marking of Packages, packing: Each package delivered under the contract shall bear the following: -

13.3.1 Name of the Bidder

13.3.2 PO Number

13.3.3 Consignee's name and address

13.3.4 Description and quantity of contents

13.3.5 Gross weight, Net weight,

13.3.6 Distinctive number or mark which is also to be shown, for the purpose of Identification, on the Bidder's packing list.

13.3.7 Govt. Supply, (Tender Inviting Department), *Govt.* Of (State)

14. Delivery:

14.1 Timely delivery is the essence of the contract & must be completed as per the dates specified therein.

14.2 The Bidder shall deliver the items in strict accordance with the delivery terms indicated on the Purchase Order issued to the successful bidder.

14.3 Notification of delivery or dispatch in regard to each and every consignment shall be made by the Bidder to the authorities named in the Contract.

15. Risk Purchase:

15.1 If the Bidder fails to deliver the items either in full or in part, within the prescribed delivery period, the Purchaser shall be entitled at his option to take alternate procurement action, at the risk & cost of the Bidder for the unsupplied portion of the goods/items without cancelling the contract in respect of the items not yet due for delivery, or to cancel the contract based on progress of work, including items not due for delivery, and, if thought fit/necessary, to purchase the items at the risk and cost of the Bidder. The price differential in the case of higher cost to Purchaser, if any, shall have to be borne by the defaulting Bidder. Moreover, the defaulting Bidder shall have no claim over the quantity, which they failed to supply.

16. Addendum & Corrigendum:

16.1 At any time prior to the date of submission of the Bids, the Tender Inviting

Authority may, for any reason whatsoever, whether on his own initiative or in response to a clarification requested by prospective bidders, modify the Tender Documents by an act of amendment there after referred to as an Addendum for Addition & Corrigendum for Correction. All prospective bidders who have received the bid documents will be notified of the Addendum/ Corrigendum and that will be binding on them. In order to provide reasonable time to take the Amendment into account, the Tender Inviting Authority may at its discretion extend the date and time for submissions of Bids. The bidders should check for such amendments or Corrigendum on the **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** website. No separate intimation will be issued to them.

17. Ethics:

Any attempt by a Bidder to obtain confidential information. Enter into unlawful agreements with competitors or influence the committee or the Contracting Authority during the process of examining clarifying evaluating and comparing tenders shall make the tender submitted by that Bidder liable for rejection.

18. Quantity of Delivered Items:

18.1 If the quantity received by the Target Delivery date is less than the P.O Scheduled quantity, then the physical quantity received will be the quantity certified by the Purchaser.

18.2 If the quantity received is more than the P.O quantity, the excess quantity shall not be paid for, by the Purchaser.

18.3 In case of any supply quantity with an upper or lower tolerance of over 5 **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** will have the right to accept or reject the material immediately

19. Taxes, Duties and Levies:

19.1 Bidders must clearly mention their GST Registration in their offers and invoices.

19.2 GST shall be clearly mentioned in the offer indicating the applicable rates.

19.3 Incase if there is a decrease in the Statutory Taxes/Duties/Levies, the same has to be passed to The Purchaser

20. Guarantee:

20.1 The Bidder must take the entire responsibility to supply the Quality-oriented products to **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya**. In case of distributors, the responsibility lies with the distributor to ensure the supply of right quality materials to **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya**).

21. Indemnity:

21.1 The Bidder shall at all times indemnify the Purchaser against all claims which may be made in respect of the items, for infringement of any right protected by Patent, registration of design or Trade Mark and shall take of accidents or damage which may occur or failure of the supply arising. The Bidder shall be entirely responsible for the sufficiency of all the means used by them for the fulfillment of the contract. Bidder shall agree to indemnify, defend and hold **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** and its Officers, Directors, Employees, its parent and assigns harmless from and against any and all liability, losses, damages, claims, liens, expenses or causes of action including, but not limited to reasonable legal fees and expenses that may be incurred by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya**, arising directly or indirectly out of, or in connection with, Bidder's violation or breach of any of the terms of this Agreement or any or commission to act by Bidder in violation of the Agreement **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** Shall provide the Bidder with prompt written notice of any claim for which indemnification is sought and shall have the right to participate in the defense of any such claim.

22. Compliance of the Laws of the land:

22.1 The Bidder shall comply with all state and local laws and regulations shall obtain all necessary licensing for the operation of its business and shall further comply with all quality control standards promulgated by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** from time to time.

23. Documentation requirement:

23.1 A Bidder has to submit the following documents along with the shipment.

23.1.1 Invoice in original along with two additional copies, both duly signed and stamped by the Bidder.

23.1.2 Original packing list.

23.1.3 A copy of Purchase order raised by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya**

24. Product Withdrawal:

24.1 If it is deemed necessary any time by either **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** or Bidder or any local state, or central government agency or other authority to recall or withdraws the product produced by Bidder/ Manufacture and being Supplied to **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya**, either as a result of failure of the Product or Bidder to strictly comply with **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** quality standard or any government rule or regulation, or shall fail to comply with any other government authority or agency having jurisdiction, Bidder shall bear all cost and expenses incurred by it and/or in complying with the recall or withdrawal procedures, unless such recall or withdrawal is solely the result of the negligence or misuse by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** .

24.2 If Bidder fails or refuses to promptly comply with the recall or withdrawal of the product upon request by the purchase, **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** shall take such action as it deems necessary to recall or withdraw the product and Bidder shall immediately reimburse for the costs and expenses incurred.

24.3 If the Product Supplied is not as per the specification on analysis of the samples by appropriate approved authority, then the rejection and available quantities have to be lifted back by the Bidder. All cost and consequences of such rejected quantities shall be borne by the Bidder.

25. Product Allocation and stocking:

25.1 In the even there is an emergency shortage of the product, as announced by Bidder or its designated representatives, Bidder shall stand ready to stock adequate quantities of the Product so that scheduled Bidder to **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** should not suffer for the full contract period. In an event of Bidder failing to supply the materials in order quantities and as per time schedules, **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya**, reserves the right to produce the product of same of Bidder quality at same or higher price from an alternate supply source and any difference in cost of procurement shall be debited to the Bidder.

26. Trademarks:

26.1 The Bidder shall not, without prior written consent of **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** use the trademarks or service marks or sales marks of **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** in any manner whatsoever, unless, and then only to the extent, such use is authorized by **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** in writing and then only in accordance with **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** directions or specification.

27. Infringements:

27.1 The Bidder agrees to fully cooperate with **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** in the prosecution of any such suit against a third party and shall execute all papers, testify on all matters, and otherwise cooperate in every way necessary and desirable for the prosecution of any such lawsuit.

28. Governing Law; Dispute Resolution:

28.1 This Agreement shall be governed by, and construed in accordance with, the laws of the India; without regard to conflict of law principles, and under the jurisdiction of Meghalaya and language shall be English

29. Notice:

29.1 Any notice required to be given pursuant to this Agreement shall be in writing and delivered personally or by a nationally recognized overnight courier service, or mailed by certified or registered mail, return receipt requested, to the other party at its address as set forth at the top of this Agreement.

29.2 All such notices shall be effective upon delivery or upon refusal to accept delivery.

29.3 Either party may change the address to which notice is to be sent by written notice to the other in accordance with the provisions of this paragraph.

30. Miscellaneous:

30.1 If any term, clause or provision hereof is held invalid or unenforceable by a court of competent jurisdiction, such invalidity or unenforceability shall not affect the validity or operation of any other term, clause or provision, and such invalid or unenforceable term, clause or provision shall be deemed to be severed from the Agreement.

30.2 This Agreement constitutes the entire understanding of the parties, and revokes and supersedes all prior agreements between the parties, and is intended as a final expression of their agreement. It shall not be modified or amended except in

writing signed by the parties here to and specifically referring to this Agreement.

30.3 Bidders or employees of bidder cannot claim or construed as employees of (Tender Inviting Authority), (Tender Inviting Department), (State).

31. Force Majeure:

If at any time during the validity of the Contract, the performance in whole or in part by either party of any obligation under this Contract shall be prevented or delayed by reasons of War, Hostility, Acts of Public Enemy, Civil Commotion(s), Sabotage, Fire(s), Flood(s), Explosion(s), Epidemic, Quarantine Restrictions, Acts of State or Acts of God, hereinafter referred to as at any time during the validity of the Contract the performance in whole or in part by either party of any obligation under this Contract shall be prevented or delayed by reasons of War, Hostility, Acts of Public Enemy, Civil Commotion(s), Sabotage, Fire(s), Flood(s), Explosion(s), Epidemic, Quarantine Restrictions, Acts of State or Acts of God, hereinafter referred to as eventualities, then the Contract period will get extended for the period of Force Majeure, provided Notice of the happenings of any such eventualities is given, supported by a certificate of appropriate authority or Chamber of Commerce by either party to the other within 15 days from the date of occurrence thereof. Neither party shall by reason of such eventualities be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance. Should one or both parties be prevented from fulfilling their contractual obligations by state of Force Majeure lasting continuously for a period of at least three months, the parties shall consult each other regarding further continuation of the Contract.

32. Dispute Redressal Committee:

All disputes can be addressed by amicable settlement by a committee constituted **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya.**

33. Declaration by the Bidder:

The Bidder shall be required to declare whether the proprietor or any partner of the firm or Director of their company as the case may be, has any relation to any employee working with the Purchaser and if so, give the name of the employee and the relationship.

34. Waiver:

Failure to operate or 10 enforce any condition under this Contract shall not operate as a waiver of the condition itself or any subsequent breach thereof.

35. Payment Terms:

Payment will be made after submission of running bills of the works and after inspection, acceptance and Receipts of the Goods. The bidder should submit the bills/invoices with a copy of photographs, delivery Challans and installations - duly acknowledged by the Purchaser and order copy with a satisfactory inspection report

of the designated Technical Committee after Delivery duly signed and accepted should be submitted at **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** in original. Three copies of each document should be made and one copy handed over to the authority at the delivery site.

36. FALL CLAUSE:

The prices quoted for the material supplied under this tender by the Bidder shall in no event exceed the lowest price at which the Bidder sells or offers to sell similar material in similar volume of identical description to any person(s)/organization(s) including the Purchaser or any other **Bio-Resources Development Centre (BRDC), 5^{1/2} Mile, Opposite Indo-Danish Project, Upper Shillong, Meghalaya** office located at any other place in India. If at any time during the said period, the Bidder reduces the sale price, sells or offers to sell such stores to any person(s)/organization(s) including the Purchaser or any Statutory Undertaking of the Central or a State Government, as the case may be, at a price lower than the price chargeable under this contract, he shall forthwith notify such reduction or sale or offer to sale to the Purchaser and the price payable under the contract for the material supplied after the date of coming into force of such reduction or sale or offer of sale stand correspondingly reduced.

37. Blacklisted:

An Affidavit on a Non-Judicial Stamp Paper of Rs. 10/-, attested by a Notary Public (In Original) that there is no vigilance / CBI Case or arbitration cases pending with the Government of Meghalaya against the Form/Bidder that the Proprietor/Director/Members of the Board of Directors of the Bidder and the Principal Manufacturer on whose behalf they have quoted has never been blacklisted by any Institution (Government or Public).

ANNEXURE 1: FORMAT OF QUOTATION

Sl. No.	Description of Goods	Unit	Quoted Unit Rate Lot wise at destination in Rs.	GST and similar other taxes applicable on finished Goods/ Services	Total Price per line item at Destination - inclusive of discounts, all taxes and duties	
					In Figures	In Words
1						
2						
3						

Gross Total Cost: Rs.

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

We also confirm that commercial warrantee/ guarantee 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

SUPPLY ORDER

To:

M/s

.....

.....

Dear Sir,

Sub: Supply of

Reference: Your Quotation no..... Dated

Your quotation 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#	Brief description of goods/ services	Specifications	Quantity to be supplied	Unit Rate (Rs.)	Total Price (Rs.)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10	Total				

1. Delivery Period: Within 30 Day(s) from the date of issue of this supply order.
2. Place of delivery: As mentioned in Clause 4 of T&C
3. Consignee Address: Bio-Resources Development Centre, 5 ½ Mile, Upper Shillong - 793009
4. GST if any will be paid at actual prevailing on the date of supply (if not already included in the cost above.
5. Extended Warranty/Guarantee shall be from the date of delivery and acceptance.
6. Payment shall be made within 30 days of delivery; and acceptance of the goods/equipment.
7. Additional terms and conditions (if Any) may be added by the Purchasers at the time of issuing the Supply Order

(Purchaser)

Sd/-

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

Annexure - 1

NPT Equipments																			
Automated analyser(fat)	<p>Application: It is used for analysis of total fat content of food samples. It is based on the Soxhlet extraction principle and all functions as soaking; extraction, leaching, heating, condensation and solvent recovery are automated for safe operation. Several samples can be analyzed at the same time.</p> <table> <tr> <td>Specification</td><td>Requirement</td></tr> <tr> <td>Function</td><td>The system must be capable of quantitative separation of total fats from food, feed etc.</td></tr> <tr> <td>Sample Positions</td><td>6</td></tr> <tr> <td>Measuring Range</td><td>0.1 – 100 % fat</td></tr> <tr> <td>Sample Volume (Size)</td><td>0.5 to 15 gm or more</td></tr> <tr> <td>Accuracy</td><td>± 1%</td></tr> <tr> <td>Solvent Recovery</td><td>≥75%</td></tr> <tr> <td>Temperature</td><td>100°C– 280°C or better</td></tr> <tr> <td>Other Features</td><td> <ul style="list-style-type: none"> • Shall be completely microprocessor based, fully automatic boiling, rinsing, drying, recovery, lifting of thimbles to cooling position and shut-down • User interface for upgradation of software • System must have the capability to perform un-attended operation and must be programmable; • Should be provided with suitable solvent recovery system. </td></tr> </table>	Specification	Requirement	Function	The system must be capable of quantitative separation of total fats from food, feed etc.	Sample Positions	6	Measuring Range	0.1 – 100 % fat	Sample Volume (Size)	0.5 to 15 gm or more	Accuracy	± 1%	Solvent Recovery	≥75%	Temperature	100°C– 280°C or better	Other Features	<ul style="list-style-type: none"> • Shall be completely microprocessor based, fully automatic boiling, rinsing, drying, recovery, lifting of thimbles to cooling position and shut-down • User interface for upgradation of software • System must have the capability to perform un-attended operation and must be programmable; • Should be provided with suitable solvent recovery system.
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Bottle top burettes	<p>Volume Measuring Range: 10mL, 25mL, 50 mL Capacity: 10 mL, 25mL, 50 mL Feature: Optional RS232 interface for transmitting data directly to a PC Telescopic filling tube: Height-adjustable for different bottle sizes</p>																		
Thermocouple sensor	<p>Temperature range: -50°C to 1000°C Resolution: 0.1 °C DisplayType: LCD ResponseTime: 500 Milliseconds Accuracy: ±0.5 °C Must be calibrated externally from NABL accredited calibration lab</p>																		

Solvent storage cabinet	<table><tr><th colspan="3">Solvent Storage Cabinet</th></tr><tr><th>S.No</th><th>Main Components</th><th>Detailed Specifications</th></tr><tr><td>1</td><td>Volumetric Capacity</td><td>170L</td></tr><tr><td>2</td><td>Door type</td><td>Manual</td></tr><tr><td>3</td><td>Material</td><td>18-Gauge Steel</td></tr><tr><td>4</td><td>Insulating air space Between walls</td><td>1.5 in (38 mm) of insulating air space</td></tr><tr><td>5</td><td>Safety Features</td><td>Dual vents with flame arresters</td></tr><tr><td>6</td><td>Door Safety</td><td>Self-latching doors (fail safe, 3-point stainless steel)</td></tr><tr><td>7.</td><td>Certificate</td><td>OSHA</td></tr></table>	Solvent Storage Cabinet			S.No	Main Components	Detailed Specifications	1	Volumetric Capacity	170L	2	Door type	Manual	3	Material	18-Gauge Steel	4	Insulating air space Between walls	1.5 in (38 mm) of insulating air space	5	Safety Features	Dual vents with flame arresters	6	Door Safety	Self-latching doors (fail safe, 3-point stainless steel)	7.	Certificate	OSHA
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Mercury Thermometer	Temperature Range 0-250 deg C, Mercury thermometer Must be calibrated externally from NABL accredited calibration lab																											

Ancillary Equipment	
Nitrogen generator (other than LC-MS-MS)	<ul style="list-style-type: none"> • Multi-Stage Purification™ and next-generation integrated compressors with Electronic Compressor Optimization™ (ECO) technology which can produce 70 LPM nitrogen gas. • Variable flow up to 70 L/min & pressure up to 116 psi • Multi-Stage Purification™ producing analytical grade nitrogen gas up to 99.5% purity • Touch-screen full-colour user interface for ease of operation • ECO (Electronic Compressor Optimisation™) technology for low energy consumption and compressor durability • Next-generation high-performance premium compressors. • Smaller & quieter • On-board service scheduling and system diagnostics • Additional compressor capacity for lower flow applications • Max Relative Humidity - 80% RH @ 31°C • Particles- < 0.01 µm • Suspended Liquids – None • Non-Methane Hydrocarbon Content- < 1 ppm NMHC • Heat Output – Not more than 8785 BTU • Noise Level†- 59 dB • Power Consumption- Should not be more than 2530VA • Generator Dimensions (H x W x D)- 1000 x 570 x 710 mm 39.4 x 22.5 x 28" • Generator Weight –Not more than 150 KG • Quality Requirement – CE, FCC and CSA • Nitrogen generator should be certified by reputed Nitrogen Evaporator's manufacturers (a certificate from leading OEM's should be submitted in this regard).
Digital Stop Watch	Product Type: Digital Time Display: 4 Digit Colour: Black Battery: 4 small cell Measuring Range: 0~9 hour, 59 minutes, 59.99 seconds
Thermocouple sensor	Temperature range: -50°C to 1000°C Resolution: 0.1 °C DisplayType: LCD ResponseTime: 500 Milliseconds Accuracy: ±0.5 °C Must be calibrated externally from NABL accredited calibration lab
Gas Flow meter	Operating Flow Range (Positive flow): +0.50 to +500 mL/min (Negative vacuum flow): -0.50 to -500 mL/min Accuracy: ± 2% of flow/± 0.05 mL/min Indicator over range warning indicator Operating Temperature Range: 32 to 120 °F (0 to 48 °C) Feature auto-shutoff Humidity Range: 0-97%
Solvent Storage Cabinet	

	Solvent Storage Cabinet		
	S.No	Main Components	Detailed Specifications
	1	Volumetric Capacity	170L
	2	Door type	Manual
	3	Material	18-Gauge Steel
	4	Insulating air space Between walls	1.5 in (38 mm) of insulating air space
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Molecular Biology Testing Equipment	
Real-Time PCR Machine	<ul style="list-style-type: none"> The automated pathogen detection system should be based on Real Time PCR technology with user friendly interface, maximum dye versatility and security options The system should be capable of testing 90 samples/run capable of processing multiple assays in the same run The system should have Open platform with 6-channels, can handle sample volume of 10-30µl with 96-wells, 0.1 ml block The built-in emission filters to support a broader range of fluorophores with a higher sensitivity for longer wavelength (red dyes). The system should be configured and calibrated to use any of the following dyes or a combination thereof: FAM™, SYBR® Green, VIC®, JOE™, HEX, TET, ABY®, NED™, TAMRA™, Cy3®, JUN®, ROX™, TEXAS RED®, and capability of multiplexing for five targets or better. The system should have Touch Screen LCD feature with real time visuals of amplification plots System must have Veriflex block technology capable of providing 3 or 6 independent temperature zones for flexibility to run multiple experiments simultaneously. Detect differences in target quantity as small as 1.5 – fold in single plex reactions and obtain 10 logs of linear dynamic range. The system should have a peak block ramp rate of not less than 8.0 °C/ second with temperature uniformity of 0.4 °C or better and 0.25°C Temperature Accuracy. The system should have OptiFlex technology and white LED optics enable powerful and sensitive data collection which improves well-to-well and instrument-to-instrument accuracy. Excitation & detection limit: 450–680 nm and 500–730 nm for 96-well system. <p>Assay Specifications</p> <p>The system should be capable of performing the following food parameters</p> <ol style="list-style-type: none"> 1. Pathogen Detection: Salmonella, Listeria Sp, Listeria monocytogenes, E.coli O157:H7, STEC, Cronobacter Sp 2. GMO screening and Quantification, Meat speciation and label claim application like Halal and Vegan testing. <p>Pathogen Detection Capabilities:</p> <ul style="list-style-type: none"> The pathogen detection assay should provide next day results for all assays allow for faster product release and early intervention. All Assays should have international validation for AOAC and AFNOR. The pathogen detection kit should have Pre-filled lysis tubes and tableted PCR reagents to minimize hands-on time and reduce pipetting errors. The pathogen detection assay should incorporate an Internal Amplification Control (IAC) to prevent false negative results that might be caused by PCR inhibitors thereby providing reliable results and confident reporting.

	<p>GMO Testing Capabilities:</p> <ul style="list-style-type: none"> • The TaqMan GMO Screening Kit must simultaneously detect regions P35S & CaMV, TNOS & <i>A. tumefaciens</i> and P34S & FMV using the three GMO event master mixes. • The kit must contain master mixes for the multiplex amplification of an Endogenous Vegetal Control (EVC) and Internal Positive Control (IPC). IPC allows verification of the PCR process in the presence of inhibitors, EVC excludes presence of CaMV, <i>A. tumefaciens</i> and FMV. • Detects down to levels of three DNA copies (equivalent to 0.01%) for screening and down to 20 DNA copies for quantification. • GMO Extraction Kit must provide a fast and easy silica-based DNA purification method to obtain DNA from a wide variety of food samples, such as raw materials, processed food and feed and can test up to 20 g of sample for increased sensitivity. <p>Software Specifications:</p> <ul style="list-style-type: none"> • The software should have User Friendly interfaces with security feature with Sensitive, interactive touch screen with stand-alone capabilities, and dye calibration/RNases P functionality. It should have PIN protected user accounts and 21 CFR Part 11 compliance, increased security to help ensure run and data are protected. • The software should have automated data interpretation with traceability of storage: Enables rapid, straightforward PCR set-up, automatic data interpretation, and traceability of results. • The software should have a Cloud-based platform which helps to stay connected to the data online. <p>Calibration:</p> <ul style="list-style-type: none"> • The system should be delivered as factory (pre)-calibrated for optical and thermal accuracy and delivered in a user-friendly package for quick installation and immediate use with minimal calibration recommended every two years. <p>Computer Specification:</p> <ul style="list-style-type: none"> • A business line computer (either notebook or tower) for system control, with minimum 4 GB RAM and 500 GB HDD for operation, analysis, net-working of multiple systems and a USB port for data export must be provided along with the system. <p>IQ/OQ:</p> <ul style="list-style-type: none"> • On site IQ, OQ of instrument along with document to be provided by the supplier
Water Bath	<p>Material of construction</p> <ul style="list-style-type: none"> • -Rounded, seamless stainless-steel bath to prevent rust, chemical damage, and contamination. • -Powder coating like epoxy coating exterior for easy cleanup • -Corrosive-resistant stainless-steel Gabled drip-free lid • Capacity: 14L • It should be Microprocessor controlled with digital display.

	<ul style="list-style-type: none"> • Instrument should have lift drip free bath cover. • Carrier racks should be given for flasks and test tubes racks. • It should have convenient water bath drains for easy cleaning • It should have coating that should prevent contamination and formation of algae • Temperature Range: Ambient+5°C to 100°C Temperature Accuracy: ± 0.3 °C at 37°C • Temperature Uniformity: ± 0.3 °C at 37 .0°C • Digital LED display
Laminar Airflow	<ul style="list-style-type: none"> • Main body complete body with Stainless Steel 304 • Inner Surface-Inner Back wall & Sidewall made in stainless steel, grade SS 304 • Working tray-Removable stainless steel work surface for easy cleaning. • Filter type-HEPA filter with integral metal guards & frame gaskets. Supply of HEPA filter 99.997% at 0.3 microns. • Class 100 or exceeding class 100 requirements of FEDERAL standards • Specially designed pre-filter • The front control panel should be provided to avoid exposure of UV • Light & Lamp outside, making eyes more comfortable. • Manual sliding sash door made up of Imported polycarbonate sheet or toughened glass with a sloping front for better access of samples. Front sash door height can be easily adjusted as per required by end-user. The transparent sash door maximizes light & visibility inside the cabinet, providing a bright & open working environment. • The closing/ opening of the front door is integrated with the UV ON/OFF. The sash door is opened & to avoid accidental exposure of UV light to the operator. • Air velocity should be 0.30m/s 20% vertical. • UV Light programming should be available with a timer. • UV light tube should be Germicidal i.e., 254 nm with a digital timer. • Internal socket inside the chamber, 5/15 Amp. • Fluorescent tube light (intensity > 600 lux) provides excellent illumination for work surface & reduces operator fatigue. A fluorescent tube light in set behind front control panel. • Digital Microprocessor controlled for Operating Fluorescent, UV Light & Blower with Audio and Visual alarm for HEPA filters life. • And also, for Static Pressure Measurement of HEPA Filter. • Conveniently located display on outside of the Laminar Air Flow for easy use &also easy to reach from a seated working position. • Automatically blower speed reduced up to 30%, this will help to save energy as well as help to maintain sterile work area during Biosafety Cabinet is not in operation. • Safety purpose Audio & Visual alarm for air fluctuation and for life of the HEPA filter and UV light • Noise Level should be Low < 65 dB • From clean chamber to give better contamination free results.
Computer	Processor-Intel, AMD: Processor Make
	Processor Generation: 10 or higher

	Number of Cores per Processor :4 or higher
	Processor Base Frequency (GHz): 3.7 or more
	Processor Description: Latest Generation 64 Bit processor support up to 4.40 Ghz or higher clock speed.
	Cache (MB): 6.or higher
	Motherboard: Intel, AMD compatible chipset with the above processor Motherboard make from the same desktop OEM (OEM logo must be embossed in the motherboard)
	Security: Discrete TPM 2.0
	Expansion Slots (PCIe x 16) (Number): 1 or more
	Expansion Slots (M Dot 2): 2 or more
	Graphics: Dedicated / Integrated
	Energy Star for the quoted Desktop Model: 8.0 or latest
	FCC, UL,CE (for the quoted Desktop model not for the quoted: Yes (all)
	ISO (OEM/Bidder): ISO 9001,14001,27001
	EPEAT India (for the quoted desktop model): Yes
	Operating System: Factory pre-instal Windows 11 Home (64 bit) with latest Service Pack and Preloaded License, Systems Hardware driver should be available in OEM website against the offered model. OEM letter confirming that Operating system pre-loaded / pre-installed from OEM factory
	OS Certification: Windows Professional and Linux (Linux certification must available in the Public Domain with the quoted Desktop model no. ** Quoted Desktop series will not accept)
	Memory: RAM Size >8GB
	RAM Expandability up to(using spareDIMM Slots in GB): 64, 128 Or higher
	Power : Minimum 200W
	Minimum Power Efficiency Range (%): 85 -94
	Storage: SATA
	Total SATA Capacity (GB): 1000 or more
	Connectivity: Wireless Connectivity
	If Yes, Type of Wireless Connectivity: Wi-Fi 802.11ac
	Number of Ethernet Ports: 1
	Type of Ethernet Ports: 10/100/1000 on board Integrated Gigabit Port
	Ports: 4 Number of USB Version 2.0 Ports
	Number of USB Version 3.2 Gen 1Ports: 4

	Number of VGA Ports: 1
	Number of HDMI Ports: 1
	Cabinet: SFF or Tower
	Monitor (Same Desktop OEM Make): IPS, VA, TN
	LED Backlit Monitor Size (INCHES): 18.5 or higher
	Monitor Resolution (PIXELS): 1366 x 768 or better
Centrifuge	Application: A Multi-functional, general purpose High-speed refrigerated benchtop centrifuge with both fixed angle and swinging bucket rotors for sedimentation of samples with easy lift and safety lid
	Temperature range: -12 to 40°C
	Speed: 18000rpm
	Rotors: Fixed Angle Rotor for 8 ×50 ml Falcon tube
	Centrifuge tubes: Microcentrifuge tubes can hold up to 50ml conical tubes.
	Power requirement: 2.0KVa

The rate quoted should include:

- Make/Brand Name with installation
- F.O. R BRDC, Upper Shillong, 5 ½ Mile, Upper Shillong
- Warranty Period as per OEM Standard with after sales service.
- Installation etc.