



GHANI KHAN CHOUDHURY INSTITUTE OF ENGINEERING & TECHNOLOGY
(CFTI, Estd. by MHRD, Govt. of India)
Narayanpur, Malda-732141, West Bengal, India

Tender ID: 2018_GKCIE_285569
Date: 22.01.2018

TENDER NOTICE

Tender Enquiry for Supply and Installation of Lab Equipment for Department of Food Technology

For and on behalf of GKCIET, Malda, invites open tenders for the supply of Laboratory Equipment for Department of Food Technology. The bid documents for technical bid and price bid separately should be sent directly to the Chairman, Central Tender cum Purchase Committee, GKCIET, Malda under Sealed Cover duly super scribed with “**Tender for Supply and Installation of Lab Equipment for Department of Food Technology**”, “**Tender ID, Date**”, and “**The Due Date**”. The bids should be submitted in hard copy directly or through Registered Post to the **Chairman, Central Tender cum Purchase Committee, GKCIET, Narayanpur, Malda-732141, West Bengal, India.**

Important Dates

Event	Date	Time	Venue
Date of Publication	22/01/2018	11:00 AM	-
Pre-bid Conference	06/02/2018	02:00 PM	Seminar Hall, Academic Block-A, GKCIET, Malda
Bid submission end date	12/02/2018	11:00 Noon	-
Technical bid opening date	12/02/2018	02:00 PM	Seminar Hall, Academic Block-A, GKCIET, Malda
Price (financial) bid opening date	To be informed to technically successful bidder by mail and phone		Seminar Hall, Academic Block-A, GKCIET, Malda

IMPORTANT NOTES:

1. Tender Documents can be downloaded from GKCIET website <http://www.gkciet.ac.in>. or from the Central Public Procurement Portal www.eprocure.gov.in/eprocure/app. under **Tender ID: 2018_GKCIE_285569 dated 22.01.2018**. However, the bidding process (submission and finalization) will be done in offline mode at the office of GKCIET, Malda.
2. GKCIET will assess the ability of the agencies to render the requisite services based on its past record, profile and on such other criteria and only those found fit will be considered.

3. GKCIET reserves the right to accept / reject any or all the tenders in part /full without assigning any reason thereof, revise the requirement of service at the time of placing the order, modify, relax or waive any of the conditions stipulated in the tender specification, wherever deemed necessary and award contracts to one or more bidders for the items covered by the tender.
4. This Tender Notice is being simultaneously published on e-publishing module of CPPP Portal also (Tender ID: 2018_GKCIE_285569 dated 22.01.2018). However, bid assessment and finalization of the successful bidder(s) shall be made including the bids submitted manually as well as any bids submitted on CPPP Portal e-publishing module.

Chairman
Central Tender cum Purchase Committee, GKCIET
Place: Malda
Date: 22.01.2018

INSTRUCTION TO BIDDER

The tender shall be submitted in accordance with these instructions and any tender not confirming to the instructions as under is liable to be rejected. These instructions shall form the part of the tender and the contract.

1. Please go through the enclosed "bid document" carefully for other bidding instructions.
2. **IMPORTANT NOTE:** Being a Two-Part Tender (techno-commercial and price bid), bids received in sealed envelope only will be considered. Bids in any other form sent through email/ fax etc. will be rejected. Please note carefully that;
 - Quotations received without prescribed form will not be considered.
 - No request for extension of the due tender date will be considered.
 - In the event any date indicated above is declared as holiday, the next working day at Institute shall be considered as the due date for receiving & opening of tenders.
 - The bids shall be opened on date and time as mentioned above. The bidders who wish to attend the bid opening may present themselves or send their authorized representatives with an authority letter.
 - The Tenders/Quotations received incomplete and/or received after due date and time shall be summarily rejected.
3. The bid should remain valid for a period of **180 days** from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation. Validity period may also be extended without change in bid prices, if required on mutually agreed basis only.
4. The bids may be dropped in the Tender Box kept in the office of GKCIET, Malda on any normal working day that is Monday to Friday except holidays (from 11 AM to 5 PM) of the Institute. The bids may also be submitted in hard copy through Registered Post or Speed Post to the Chairman, Central Tender cum Purchase Committee, GKCIET, Narayanpur, Malda-732141, West Bengal, India. Bids reaching after bid submission end date through post will not be accepted. It is strictly advised do not hand over the quotation to any person by hand.
5. **Clarification of bidding documents:** If a prospective bidder requires any clarification in regard to the bidding documents, they may mail to ctpc.gkciet@gmail.com at least 10 days before the deadline for receipt of bids or may meet at office of Store Section, GKCIET, Narayanpur Campus, Malda West Bengal on any working day between 11.00 AM to 3:00 PM.
6. **Amendment of Bidding Documents**
 - Any change/corrigendum/extension of opening date, if issued any for the tender, shall form part of the Tender Document. Any amendment will be notified on GKCIET website (<http://www.gkciet.ac.in>). Bidders/Tenderers are requested to visit GKCIET website regularly and note the corrigendum/amendments to the tender without fail and submit the offer accordingly. GKCIET will not be responsible for ignorance of corrigendum.

- At any time prior to the deadline for submission of bids, the Institute may, for any reason, whether on its own initiative or in response to a clarification requested by a prospective Bidder/Tenderer, modify the bidding documents by amendment. The same would also be posted on the website of the Institute and all prospective bidders/tenderers are expected to surf the website before submitting their bids to take cognizance of the amendments. Bidder/Tenderer who has submitted bids before publishing the amendment may revise their bid incorporating the amendments before the last date of tender.
- In order to allow prospective Bidder/Tenderer's reasonable time in which to take the amendment into account in preparing their bids, the Institute, at its discretion, may extend the deadline for the submission of bids and host the changes on the website of the Institute, if required.

7. Bid Security (BS)/(Earnest Money/ EMD)

- i) The Bidder/Tenderer shall furnish, as part of its bid, a bid security (BS) of 3 % of gross bid value has to be submitted as Bid Security (Earnest money Deposit/EMD). Gross bid value means **F.O.R. GKCIET, Malda final price.**
- i) In the case of foreign bidders/tenderers, the BS shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders/tenderers; the BS shall be submitted by the manufacturer or their specifically authorized dealer/Bidder/Tenderer.
- iii) The bid security shall be in Indian Rupees. The bid security shall be in one of the following forms at the Bidder/Tenderers' option:
 - (a) A Banker's cheque or demand draft in favour of the Account Officer, GKCIET, Malda
 - (b) FDR in favour of the Account Officer, GKCIET, Malda
- iv) The bid security should be submitted in its original form. Copies shall not be accepted.
- v) *Any bid without EMD or bid not secured in accordance with above will be rejected by the Institute as non-responsive.*
- vi) The bid security of unsuccessful Bidder/Tenderer will be discharged /returned as promptly as possible but not later than 30 days after the expiration of the period of bid validity or placement of order whichever is later.
- vii) The successful Bidder/Tenderer's bid security will be discharged upon the Bidder/Tenderer furnishing the performance security.
- viii) The bid security may be forfeited if a Bidder/Tenderer withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder/Tenderer on the Bid.

8. Sealing and Marking of Bids:

In a two bid system, all Bidders/Tenderers are requested to follow carefully the following instructions before preparing their offer.

Part I: Technical & Commercial Bid

Part - (a) Technical

- i. This part should contain detailed specifications of the items quoted by you along with technical literature and leaflets.
- ii. A compliance statement showing the compliance of the item quoted by you with that of item tendered by us should be prepared and enclosed to this.
- iii. Any other information called for in the tender related technical and commercial specifications can also come in this part.
- iv. ***Prices should NOT be indicated in this cover.***

Part - (b) Commercial terms: (WITHOUT PRICE)

- i. The commercial terms applicable for the items quoted by you should be indicated in this part.
- ii. If any compliance statement is called for the commercial terms/contractual terms and conditions, the same is to be attached in this part.
- iii. **Prices should NOT be indicated in this part.** However, a copy of unpriced bid (without prices) must be enclosed (filled by the word "Quoted" against the item being quoted) in this part to enable to understand whether all the items required to be quoted by you have been quoted in the price bid.
- iv. The Commercial terms such as delivery terms, delivery period, payment terms, Warranty, validity of the offer, installation & commissioning, duties and taxes etc., shall come into this.
- v. The required EMD should be enclosed.
- vi. The Tenderer/ bidder need to submit the following certificates along with the Tender Documents to confirm their eligibility in this part :
 - Proof of establishment of Firms/shop/business/ manufacturing unit etc. and Dealership Certificate from the principals etc.
 - Proof of registration with any other central government organization (if any)

- Photocopies of purchase orders received from any central govt. organization to the firm (if any).
- The tenderer must have latest VAT/Sales Tax Clearance certificate alongwith copy of Registration certificate under Sales Tax.
- Goods & Service Tax registration certificate, EPF registration certificate, ESI registration certificate, etc. should be enclosed.
- The tenderer must submit the blacklisting certificate if they are blacklisted from any Govt. Organization.
- The bidder should enclosed proof of turnover by way of Audited Balance Sheet/Auditor's certificate, if required.
- The bidder should enclosed Photocopy of PAN card issued in the name of the bidder's firm.

Note:

- Technical Specifications and terms & conditions as above should be very clearly reflected item-wise with reference to the items called for in the tender.
- Please note that the **PRICE SHOULD NOT BE** indicated in this part.
- Technical and Commercial part as described above shall be prepared and put it in a sealed cover.

Part II: Price Bid

The prices applicable for the items, item-wise in response to the tender shall come into this part in the prescribed format only. ***Bid will be rejected if rates are not quoted in the prescribed format.*** Tenderer shall indicate very clearly item-wise prices with reference to their technical offer.

9. The bidders should quote their offer/rates in clear terms without ambiguity.
10. The rates should be **quoted both in figures and words** and legibly written without any over-writings. In case of any correction, the same must be attested by the bidder with full signature. However, no over-writing is permissible. Manufacturer's price-list, where applicable, should be submitted along with the bid.
11. In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.

12. Each bidder shall submit only one bid against a particular work. A bidder, who submits more than one bid for a particular work will in the tender, shall be disqualified and considered non-responsive.
13. The bidder has to sign in full at all pages of the bidding document.

14. Bid Prices

- (i) The Bidder/Tenderer shall indicate prices in the prescribed format only.
- (ii) Prices indicated on the price-schedule form shall be entered separately in the following manner:

(a) For Goods being offered from India/ abroad in INR

- (b) The price of the goods quoted should be FOR GKCIET, Malda inclusive of all taxes (GST, Custom etc), charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination as specified in the price schedule form, installation, commissioning, training charges etc , if any. (Annexure IV).

(b) For Goods being offered from abroad in currency other than INR

- i. The price of the goods, quoted on FCA (named place delivery abroad) or FOB (named port of shipment), as specified in the price schedule form. The price should be FOR GKCIET, Malda inclusive of all taxes, charges for insurance and transportation of the goods, agency commission, installation, commissioning, training charges etc if any (Annexure V).
- ii. The terms FOB, FCA, CIF, CIP etc. shall be governed by the rules prescribed in the current edition of the Incoterms published by the International Chambers of Commerce, Paris.
- iii. Prices quoted by the Bidder/Tenderer shall be fixed during the Bidder/Tenderer's performance of the Contract and not subject to variation on any account.
- iv. If at any stage of the price quoted GST applicable, it should be clearly mentioned.
15. Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.

16. Responsiveness of Bids

- (i) Prior to the detailed evaluation, the Institute will determine the substantial responsiveness of each bid to the bidding documents. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the bidding documents without material deviations, reservations or omissions. A material deviation, reservation or omission is one that:
- (a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
- (b) limits in any substantial way, inconsistent with the Bidding Documents, the Institute's rights or the Bidder/Tenderer's obligations under the Contract; or

- (c) if rectified, would unfairly affect the competitive position of other bidders/tenderers presenting substantially responsive bids.
- (ii) The Institutes' determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- (iii) If a bid is not substantially responsive, it will be rejected by the Institute and will not subsequently be made responsive by the Bidder/Tenderer by correction of the material deviation, reservation or omission.

17. Evaluation and comparison of bids

- (i) A two stage procedure will normally be adopted:

Stage-I: Commercial and Technical Evaluation

- a) Evaluation of Technical Bids to assess their suitability against the laid down parameters.
- b) Tenderers must ensure that they enclose all original technical literature and detailed documentary proofs which specifically bring out the compliance of the equipment being offered against the specifications. If necessary the Tenderers may be directed to give a presentation for evaluation by a technical committee constituted for the purpose.
- c) In case it is not possible to verify compliance of equipment as per technical bid due to lack of adequate documents, in original no reference will be made to tenderer and the bid will not be considered further and **treated as cancelled**.

Stage-II: Financial Evaluation

- a) The price bids of only those firms found meeting the laid down specifications at stage I shall be opened, evaluated and considered further.
- (ii) It is in the tenderers interest to include all relevant and detailed technical data as supporting documents along with their bid.
- (iii) To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined below. No other criteria or methodology shall be permitted.
- (iv) The bids shall be evaluated on the following basis which shall be arrived as under:

For goods being offered from India.

Goods price will be calculated **FOR GKCIET, Malda**. Lowest bid (L1) will be deciding by the price of the goods quoted should be **FOR GKCIET, Malda** inclusive of all taxes (GST & Custom Duty, etc), charges for inland transportation, installation, commissioning, training charges, insurance and other local services required if any for delivering the goods at the desired destination as specified in the price schedule Price Bid format.

For goods being offered from Abroad

- a. In case of goods being offered from abroad, Lowest bid (L1) will be decided based on total cost at GKCIET, Malda, that include basic price of goods, freight and Insurance up to Indian Airport/port (CIF/CIP value up to Indian airport/port), custom duty and other taxes as applicable etc., Inland transportation and insurance up to GKCIET, Malda, packaging, forwarding, agent commission for custom clearance and installation, commissioning and training charges if any.
- b. **Conversion to Single Currency:** To facilitate evaluation and comparison, Bids quoted in foreign currency will be converted into Indian Rupees at the selling exchange rate established by Reserve Bank of India on its website, on the date of price bid opening.
- c. In case charges for packing, forwarding, transportation inside India, custom clearance charges or other incidental charges are quoted extra in addition to the quoted rates, the amount thereof must be specified. Packing, forwarding, freight, entry tax etc., when quotes separately are reimbursable at actuals after production of original receipts/invoices. If external agencies are employed, their receipts must be enclosed with the invoice.
- d. If vender wishes, he/they may alternatively, quote price of imported items in Indian rupees. In this case item may be treated as offered from India. Payment will be released accordingly.

Note: *Where there is no mention of packing, forwarding, freight, transportation, insurance charges, taxes etc. such offers shall be REJECTED as incomplete.*

(v) Terms and Conditions of MSME:

- a. The bidders in the category of Micro and Small Enterprises (MSEs) who are registered with MSME bodies like National Small Scale Industries Corporation etc. are exempted from payment of Bid Security/Earnest Money Deposit. A proof regarding current registration with MSME/NSIC for the tendered items will have to be attached along with bid/quotation/offer.
- b. SSI Units registered with NSIC should participate in tender directly enclosing copy of NSIC certificate and offers from their agents will not be considered.
- c. In compliance of Public Procurement Policy for Micro and Small Enterprise (MSEs) Order 2012, purchase preference shall be given to Micro and Small Enterprise (MSEs) registered with District Industries or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or consortia or Micro and Small Enterprises formed by National Small Industries Corporation, if the price quoted by the MSEs is within 15% of L- 1 price (L- 1 price means Landed Lowest price) quoted by any other bidder, for the tendered items for which they are the L- 1.

- d. Purchase preference shall be applicable for the 20% of the tendered quantities only provided L-1 bidder is MSE and the MSEs accept the L-1 price.
- e. In case of an MSEs in the L-1 bidder for an item, the 100% tendered quantities shall be placed an order to MSEs firm.
- f. In case of an MSE owned by SC/ST and price quoted is within 15% of the L-1 price quoted by the L-bidder then 20% quantity shall be ordered on them at L-1 rate, subject to their acceptance.
- g. In case of more than one MSEs participates in the tender and their prices are within 15% of L-1 price and L-1 bidder is an enterprise other than MSEs then 20% of the tendered quantities shall be shared proportionately between participating MSEs on their acceptance of L-1 price.
- h. In case of more than one MSEs participate in tender and their prices are within 15% of L-1 bidder price who is not a MSEs and one of the MSEs is owned by SC or ST then 4% tendered quantities or say 20% of the 20% tendered quantities shall be procured from MSEs owned by SC or ST entrepreneurs exclusively subject to their acceptance of L-1 price in addition to sharing of equal portion of balance of 16% with other non SC/ST owned MSEs subject to their acceptance of L-1.
- i. In case of more than one MSEs owned by SC or ST then 4% tendered quantities or say 20% of the 20% tendered quantity shall be procured from these MSEs owned by SC or ST entrepreneurs exclusively subject to their acceptance.

18. **Packing & Marking:** The packing and preservation of the supplied goods shall be airworthy/ seaworthy /roadworthy (as the case may be) so that it may provide their safety during transit period. The seller shall guarantee that the packing is strong enough to withstand the safety of the goods during transport. The packing should satisfy the security seal in the clearing warehouse and shall carry the fragile or other markings as required.

Each packing case shall have labels as follows:

Contract No. _____

Consignee: Name of the Division/Unit _____

19. **Pre-dispatch inspection:** The Institute reserves right to conduct pre-dispatch inspection of goods and the vender must facilitate it at GKCIET's cost for pre-dispatch inspection. In the event of joint inspection at the consignee's location, the personnel of successful tenderer must be able to unpack, assemble and demonstrate the use of the equipment fully and identified each Part/Machines supplied. Any consumables that are essential will be provided by the supplier free of cost.

20. Clearance and delivery

- i) The supply should be delivered at GKCIET, Narayanpur, Malda, West Bengal – 732141 and the supplier shall be responsible for damage during the transit of goods. In case of receipt of materials in damaged condition the suppliers will have to arrange the replacement of goods free of cost. All expenses in this regard will be borne by the supplier.
- ii) On arrival of shipment/consignment, the supplier is required to arrange custom clearance and transportation of the consignment up to GKCIET, Malda premises. The Tenderer/ bidder will do all types of clearance work and **formalities to deliver/provide the equipment at the site of installation. The expenses incurred will be reimbursed on actual basis not exceeding the quoted amount.** Institute will provide all types of documentary support including Customs Duty exemption certificate. The custom duty, demurrage (in case of delay in release of custom duty to the custom department by GKCIET, Malda) and government taxes/levies (if any) will be paid extra by the buyer after as per term of payment. Please note that the State of Chhattisgarh may charge entry tax on all goods entering the State. This may be included in your quotation as a separate item. Entry Tax will be reimbursed on production of proof of payment. **Principals will themselves have to procure any requisite permission from the Govt. of country of origin of equipment.**
- iii) All the communications with respect to the delivery of items shall be addressed to:

The Controller, Store & Purchase

Ghani Khan Choudhury Institute of Engineering & Technology

Narayanpur, Malda - 732141. West Bengal (India)

21. Guarantee/Warranty Period:

- (i) Except otherwise provided in the invitation to tender the contractor hereby declares that the goods/stores/articles/equipment sold/supplies to the purchaser/consignee under this contract shall be of best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars mentioned/contained in the contract. The contractor hereby guarantees that the said goods/stores/articles would continue to conform to the description and quality aforesaid for a period of **Twenty Four** months from the date of receipt of goods/articles/equipment in good condition at site by the consignees in case of supply contract and **Twenty Four** months from the date of installation and satisfactory taking over of the goods/stores/articles/equipment at site by consignee where installation and commission is involved and notwithstanding the fact that the purchase /inspection authority has inspected and/or approved the said goods/stores/articles equipment or such if during the **24 months** the said goods/stores/articles/equipment be discovered not to conform to the description and quality aforesaid or not giving satisfactory performance or have deteriorated and the decision of the purchase /consignee in that behalf shall be final and binding on the contractor/seller and the purchaser shall be entitled to call upon the contractor/seller to rectify the goods/stores/articles/equipment or such specified period as

may be allowed by the purchaser in his discretion on application made thereof by the contractor/seller, and in such an event, the above period shall apply to the goods/stores/articles/equipment rectified from the date of rectification mentioned in the warranty thereof, otherwise the contractor/seller shall pay the purchaser such compensation as may arise by reason of the breach of warranty therein contained.

- (ii) Guarantee that they will supply the spare parts, if and when required on agreed basis for an agreed price. The agreed basis could be and including but without limitation an agreed discount on the catalogue price or an agreed percentage of profit on landed cost.
- (iii) Warranty to the effect that before going out of production for the spare parts they will give adequate advance notice to the purchaser of the equipment so that the later may undertake the balance of lifetime requirements.

NOTE: In case of any discrepancy in the period of guarantee/ warranty mentioned anywhere else in this Tender document, the stipulations as mentioned in the chapter III (specification of the equipment/ item to be purchased) would prevail.

22. **Annual Maintenance Contract (AMC) of Equipment:** After the warranty/Guarantee term is over, the firm should mention the charges of AMC at least for **first three years**.

NOTE: In case of any discrepancy in the period of and/or AMC mentioned anywhere else in this Tender document, the stipulations as mentioned in the **Annexure 2** (specification of the equipment/ item to be purchased) would prevail.

23. **Terms of Payment:** Tenderer shall take into account all costs including installation, commissioning, cartage etc. for giving delivery of material at site quoting the rates. No extra payment shall be paid on account of any discrepancy in nomenclature of items. The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

(i) Payment for Goods and Services offered from India:

Payment for Goods and Services supplied from within India shall normally be made in Indian Rupees, as follows: 100% payment will be made in account payee cheque or Draft/ online Transfer using RTGS to the Supplier normally within thirty (30) days after the successful installation and commissioning of equipment's subject to submission of performance security, if any.

(ii) Payment for Goods and services offered from abroad:

Payment of foreign currency portion shall normally be made in the currency of contract in the following manner:

- a) **On Shipment:** Ninety (90) percent of the Contract Price of the Goods shipped shall be paid through irrevocable letter of credit (L/C) opened in favor of the Supplier in a bank in its country, upon submission of following documents specified as below:

Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by Registered Post/ courier and copies thereof by FAX.

- i. Two copies of supplier's Invoice giving full details of the goods including quantity, value, etc.;
- ii. Packing list;
- iii. Certificate of country of origin;
- iv. Manufacturer's guarantee and Inspection certificate/test report;
- v. Inspection certificate issued by the Purchaser's Inspector, if any.
- vi. Insurance Certificate, if required under the contract;
- vii. Name of the Vessel/Carrier;
- viii. Bill of Lading/Airway Bill;
- ix. Port of Loading;
- x. Date of Shipment;
- xi. Port of Discharge & expected date of arrival of goods and H S code of classification of goods.
- xii. Any other document(s) as and when required in terms of the contract.

Note:

1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s)
 2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.
- b) **On Acceptance:** Ten (10) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods and successful installation & commissioning upon submission of claim supported by the acceptance certificate issued by the Purchaser along with the Performance security, if any.
- The L/C will be confirmed at the suppliers cost, if requested specifically by the supplier. If L/C is requested to be extended/ reinstated for reasons not attributable to the purchaser, the charges thereof would be to the suppliers' account. All bank charges in India to the account of

the opener and all bank charges outside India to the account of the beneficiary. Payment of local currency portion shall be made in Indian Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. The L/C for 100% value of the contract shall be established after deducting the agency commission payable, if any to the Indian agent from the CIF/CIP value.

24. **Performance Security (PS):** The successful bidder has to furnish "**Performance Security of 10% of the ordered value in Indian Rupee**", in the form of Account Payee Demand Draft, / Fixes deposit and/or unconditional Bank guarantee encashable on demand from Account Officer, GKCIET, Malda, from a nationalized Bank with validity period of sixty (60) days beyond the date of completion of all contractual obligations of supplier including guarantee/ warranty obligations. The Performance Security is to be furnished in favor of the Account Officer, GKCIET, Malda, within ten days of intimation, failing which his bid security will be forfeited.

The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations.

25. **Delivery period:** Delivery should be made within **45 days** from the date of placement of order for goods offered from India or opening of the LC in case of goods offered from abroad.
26. The Insurance shall be for an amount equal to 110% of the CIF or CIP value of the contract from within "warehouse to warehouse/installation site (GKCIET, Malda)" on "all risk basis" including strikes, riots and Chemistry commotion.

27. **Delayed delivery:**

In case the firm does not complete the supply within the laid down agreed delivery period as per contract, liquidated damages will be charged **@ 1% per week** or part thereof. However, the Institute reserves the right to either further extend or cancel the contract after expiry of delivery date and recover the liquidated damages from the dues of the firm by legal means.

An extension in delivery period may be given on the receipt of written request of the successful vendor; however liquidated damage at the above rate will be recovered from the firm of the value of undelivered goods. Request for extension in delivery period should be made before the last date of supply as mentioned in Purchase Order.

Non delivery beyond extended period: If the Tenderer fails to execute the order within the delivery period as mentioned above the order will be cancelled and EMD will be forfeited by the institute.

28. **Installation time:** The Company must install the equipment within a period of two months from the date of delivery of the equipment at GKCIET, Malda failing which order will be cancelled and EMD will be forfeited. However, necessary requirement for installation of goods/equipment will be provided by institute.

29. **Copy Right:** The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

30. Insurance:

- a. Should the purchaser elect to buy on CIF/CIP basis, the Goods supplied under the Contract shall be fully insured in Indian Rupees against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
- b. Where delivery of the goods is required by the purchaser on CIF or CIP basis the supplier shall arrange and pay for Cargo Insurance, naming the purchaser as beneficiary, initiate & pursue claims till settlement, on the event of any loss or damage.
- c. With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent, if any, shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after customs clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

31. **Right to use Defective Goods:** If after delivery, acceptance, installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

32. **Site preparation and installation:** The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications defined by the Supplier. The Purchase will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after notification of Award / Purchase Order / Agreement.

33. Force Majeure:

- (i) Notwithstanding the Clauses relating to extension of time, penalty and Termination for Default the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- (ii) For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- (iii) If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- (iv) If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of force majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

34. Defective Equipment:

- (i) If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, unmerchantable or not in accordance with the description /specification or otherwise faulty, the institute will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made to him.
 - (ii) All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office of GKCIET, Malda at the cost and risk of supplier including all other charges.
35. **Training:** The tenderers shall provide training to the user as per the terms & conditions of the contract as has been specified in technical & financial bids free of cost at the time of installation/commission of equipment at the consignees/ users location. As specified by the purchaser, all expenses in this regard will be borne by the supplier.
36. **Penalty for use of undue influence:** The seller should undertake that he has not given offered or promised to give directly or indirectly any gift, consideration, reward, commission, fees brokerage of inducement to any person in service of the Purchaser or otherwise in procuring, the contract or forbearing to do or for having done or for borne to do any act in relation or execution of the contract or any other contracts with the Institute for showing or for bearing to show favour or disfavor to any person in relation to the contract or any other contract in the GKCIET, Malda. Any breach of the aforesaid undertaking by the seller or any one employed by him or acting his behalf whether with or without the knowledge the seller or the commission of any offers by the seller or any one employed or acting on his behalf, as defined in Chapter-IX of the IPC, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the Prevention of Corruption

shell entitle the purchase to cancel the contract and all or any other contract with the Institute seller and recover from the seller the amount of any loss arising from such cancellation. A decision of the purchaser or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the seller.

Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the seller towards any officer /employee of the purchaser or to any other person in a position to influence any officer /employees of the purchaser for showing any favour in relation to this or any other contract sell render

37. Termination of contracts: Time shall be the essence of the contract. The purchaser shall have the right to terminate the contract without any notice in part or in full in any of the following cases.

- a) The delivery of the material is delayed for causes not attributed to Force Majeure after the scheduled date of delivery.
- b) The seller is declared bankrupt or becomes insolvent.
- c) The delivery material is delayed due to causes of Force Majeure by more than reasonable time.
- d) In case Performance Security is not furnished within the time period specified by the purchaser.

Supply in the case of successful Tenderer should strictly confirm to the specifications of the equipment being purchased. Any change in Address /Telephone/Fax/e-mail of the tenderer should immediately be informed. The state of non-communication by the firm will make the offer liable for rejection.

38. No additional terms & conditions over and above the conditions stipulated above shall be entertained by GKCIET, Malda.

39. The dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & court at Malda.

40. Bidder has to sign all the pages of this tender and enclose it with the bid.

List of Annexure

1. List of Equipment – Annexure 1
2. Technical Specification of Equipment/goods – Annexure 2
3. Technical Compliance of the bidder with reference to the 'Specification of Equipment - Annexure
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6. Deviation statement form - Annexure 6
7. Bidder information & check list – Annexure 7

Annexure 1

List of Equipment to be procured under Tender

Sr. No.	Name of Equipment	Quantity
	FOOD CHEMISTRY LAB	
1.	Soxhlet apparatus (automatic)	1
2.	Pipette	5 each
3.	Texture analyzer	1
4.	Kjedahl unit (protein & nitrogen)	1
5.	Colum Chromatography & kit	1
6.	Consisto-meter	1
	FOOD PACKAGING LAB	
7.	Electronic balance	1
8.	Taber Stiffness Tester	1
9.	Folding Endurance Tester	1
10.	Cobb Tester	1
11.	Elmendorf Tear tester	1
12.	Smoothness & Porosity Tester	1
13.	Mullen Bursting Strength Tester	1
14.	Compression Strength Tester	1
15.	Mechanical Drop Test	1
16.	Oxygen Head Space Analyzer	1
17.	Vacuum Leakage Tester	1
18.	Torque Tester	1
19.	Desiccators for RH Climate Chamber	1
20.	WVTR Tester	1
21.	Differential scanning calorimeter	1
22.	Hydro Statics Pressure Tester	1
	FOOD ENGINEERING LAB	
23.	Bio Reactor	1
24.	Micro filter	1
25.	Ultra-filter	1
26.	Humidifier	1
27.	Vacuum rotary filter	1
28.	Refrigeration Tutor	1
	FOOD MICROBIOLOGY LAB	
29.	Laminar Air Flow	1
30.	Binocular Microscope	1
31.	UV-VIS Spectrophotometer	1

32.	Analytical Balance.	1
33.	Colony counter	1
34.	Howard Mold Counter	1
35.	Cooling Centrifuge	1
36.	Micro Filtration Unit	1
37.	pH meter	1
38.	Fumigator	1
39.	UV chamber	1
40.	Anaerobic jar	1
41.	SS Working Table	8

Annexure 2

Technical Specification of Equipment/Goods

Sr. No.	Name of Equipment	Quantity	Specifications
1.	Soxhlet apparatus (automatic)	1	<ul style="list-style-type: none"> ➤ Microprocessor based digital temperature controller, Casted Aluminium Alloy Heater, 65 to 80% solvent recovery, Independent loading of sample with individual mechanical controls. Unique upward spring loaded movement of individual block for perfect leak proof alignment Safety. ➤ Auto over temperature protection, auto Sensor break protection, Auto Error Indication, etc. Inbuilt Air pump with Stainless steel manifold for perfect removal of solvent cloud. ➤ Six Place Automatic Solvent Extraction System with auto time temperature programming facility and auto phase change over with PC compatibility feature. ➤ Temperature range should be upto 2000C ➤ Fume hood should be provided with equipment
2.	Pipette	5 each	Capacity: 10-100 μ l and 100-1000 μ l, Autoclavable digital Micro Pipette, Advanced durability against organic solvent dispensing, Resistant to organic solvents. Fully autoclavable, Easy-Calibration function, One-touch locking mechanism to lock the sample volume.
3.	Texture analyzer	1	Load Cell: 5, 30, 50, 100, 250, 500, and 750 kg.f, Load Accuracy: \pm 0.5% of reading down to 1% of load cell capacity, Maximum Speed: 20mm/sec at 500Kg.f, Maximum return speed: 0.01 mm/sec, Speed/drive Accuracy: better than 0.1%, Range Setting: 0.01 to 524 mm, Range Resolution: 0.001mm, Operating Modes: Measurement of Force and Distance in Tension, Compression, Shear, Extrusion, etc. Data Channels: Filtered force at 20 bit. Distance at 24 bit. Unfiltered force at 16 bit. Two linear analogue inputs (range \pm 4.5v @ 16bit) or PT100 temperature probe inputs (Range -50°C to +250°C), Filtered force: Oversampled at 8000 samples per second and digitally filtered to 500 pps at 20 bit resolution, Operating Temperature: 0 to 40°C, Operating environment: Laboratory conditions, interface to PC through a standard RS232 serial port, Power supply: Universal mains input voltage, Software, complete database of family of probes and attachments, external devices like temperature/ humidity etc. Heavy duty Platform. Platform for samples and Instrument should be compatible with computer, printer and all peripherals.

Sr. No.	Name of Equipment	Quantity	Specifications
			It should contain all probes for measuring texture properties of all food material. Instrument should be compatible and be provided with computer, Laser printer and necessary software and UPS 1KVA.
4.	Kjedahl unit (protein & nitrogen)	1	<ol style="list-style-type: none"> 1. Fully Automatic Kjedadhdigestion, distillation, titration and calculation system for analysis of Nitrogen/Protein. 2. Digestion unit (minimum 12 tubes) with IR or electric heating facility, preferably programmable. 3. Fully programmable with suitable software. 4. Titration may be potentiometric/colorimetric titration system. 5. The system must have maximum safety features to avoid any possible accident and should have fully covered automatic safety door. 6. Self adjusting cooling water control to save water (intelligent cooling water control adjust the flow according to temperature minimizing water consumption 7 cost. 7. Variable output system generator to provide the flexibility to analyse volatile parameters other than nitrogen. Interchangeable burette for easy switching of titrant strengths. 8. Automatic tube drainage. Alkali resistant splash head and tube drain vessel for long lifetime. 9. Must have data transfer facilities to PC through machine.
5.	Colum Chromatography & kit	1	The kit contains all of the materials needed for running the columns like glass colum, Silical gel for Colum chromatography, glass wool, Colum stand, sample mixture, disposable pipettes, buffer, collection tubes, with all accessories
6.	Consisto-meter	1	Sample 50-100ml; RPM 1-100; temp 0-100oC
7.	Electronic balance	1	Range 0-200g Accuracy- 0.001 g
8.	Taber Stiffness Tester	1	Range: 0-1000 N
9.	Folding Endurance Tester	1	Range : up to 5000 N
10.	Cobb Tester	1	100 ml & 200 ml Capacity Fabricated

Sr. No.	Name of Equipment	Quantity	Specifications
11.	Elmendorf Tear tester	1	Range: up to 6000 N
12.	Smoothness & Porosity Tester	1	Range up to 500 ml per sec
13.	Mullen Bursting Strength Tester	1	Range (up to 7-35 kg per sq.cm)
14.	Compression Strength Tester	1	Capacity up to 1000 kg Accuracy 0.01 kg
15.	Mechanical Drop Test	1	Range up to 3 mtr.ht
16.	Oxygen Head Space Analyzer	1	Up to 100 bar
17.	Vacuum Leakage Tester	1	Up to 20 bar
18.	Torque Tester	1	Up to 200 Nm
19.	Desiccators for RH Climate Chamber	1	Borosilicate Temperature Range 5 0C to 50 0C
20.	WVTR Tester	1	Up to 0.0001 g/m ² ; High automatic control system,
21.	Differential scanning calorimeter	1	Temperature range: -140-6000C, Heating rate: 0.10C to 100°C/min resolution range upto: 0.2 to 1uW, calorimetric accuracy: 0.05%.
22.	Hydro Statics Pressure Tester	1	Press Range upto: 70 Kg/Cm ² Pressure Indicator & Controller: Gauge Accuracy: 1% FSD Power Supply: 230 V AC, 50 Hz Dimension (Inch): 24 X 25 X 45 Net Weight: 55 kg
23.	Bio Reactor	1	Capacity 2 lit with DO, pH; O ₂ sensors; temp sensors; rpm in-situ
24.	Micro filter	1	0.05µm-0.1 µm with SS cover plate
25.	Ultra-filter	1	0.05nm-0.1nm with SS cover
26.	Humidifier	1	Temperature Range is from +5C to +94 0C and RH - 20 to 98%.
27.	Vacuum rotary filter	1	Range 150lpm; clarity level up to 10mg/lit; fluid viscosity up to 20cp and vacuum pump is attached with this.
28.	Refrigeration Tutor	1	Lab model Vapor Compression Refrigeration Cycle with all the necessary accessories like temperature, pressure indicator, control valve control panel humidity controller
29.	Laminar Air Flow	1	Cabinet(Material of construction): Laminar Air Flow Cabinet should have fully enclosed bench designed. The Laminar flow bench should have Stainless Steel SS 304 table

Sr. No.	Name of Equipment	Quantity	Specifications
			<p>with MS coated tabular frame and body. Laminated Unit should also have stand by control system with lock and key.</p> <p>Unit: Door should be made of tempered safety glass sliding door or glass wind screen. Should have LCD display to show measured parameters like stage velocity, total using time, UV/FL lamp on/off etc. Unit should have Differential pressure indicator.</p> <p>Cleanliness level : CLASS 100 (ISO 5 for particle sizes $0.5 \mu < 3530$ particles/M³ of air at both at Rest & Operation Condition as per ISO 14644 -1.</p> <p>Working size: 4 ft x 2 ft x 2 ft.</p> <p>Work table: It should have IS 304 Grade Stainless Steel with finish 4 polish surface Front door, 5 mm thick clear Acrylic Sheet - Vertical sliding.</p> <p>Direction of flow: Horizontal.</p> <p>Airflow Speed: Velocity should have 90 Feet/Minute ± 20.</p> <p>Blower Assembly: It should have one set blower system, which consists of dynamically & statically balanced aluminium centrifugal impeller driven by 1/4 HP, single phase, 1200-1400RPM motor, enclosed in an PU coated GI casing suitably suspended in a pair springs & connected to the filter chamber through flexible canvas duct.</p> <p>HEPA Filters: Size: 30" x 18" x 3" Type: Separator less type, Mini-Pleats HEPA Media Media: Ultra clean glass fiber paper Retention: 0.3 Micron Efficiency: 99.997% Initial Pressure: 16 mm WG, Grade: H13 rating.</p> <p>Pre Filters: Size : 600 x 300 x 65 mm Media : Synthetic, non-woven polyester Casing : Epoxy painted GI frame Retention : 10 Micron & above Efficiency : 90% Initial Pressure: 6 mm WG Grade : F7 rating</p> <p>Particle Retention: 0.3 Micron. Noise level: <60 dBA± 5.</p> <p>Power Supply: Power supply should have 220-230 V, 50 Hz. And all components UL listed and CE marked.</p> <p>Illumination: Fluorescent tube 1 no. Light: High intensity, low wattage >800 lux,</p>

Sr. No.	Name of Equipment	Quantity	Specifications
			<p>Pre-mounted UV lamp (30 W) with separate switch. UV lamp: It should be 15 Watts, Equivalent to Philips make, 1½ Feet length, – 1 No. each. Other accessories:</p> <ul style="list-style-type: none"> • 5/15 Amp power point, Gas inlet, Levelling Screws & Castor Wheels • Side mounted double electrical socket for ancillary equipment operation • DOP test port • Easily changeable pre-filters • Fitted with UV Germicidal lamp for sterilization. • Fitted with Acrylic Front Door sliding type • Fitted with Manometer for Measurement of HEPA Filters Choking system. • Fitted with Cock for Gas Connection. • Ensure noiseless operation and anti-vibration construction provides efficient working environment. • Filter replacement warning signal.
30.	Binocular Microscope	01	<p>Body: Binocular, sturdy, stable base body with focus adjustment controls. Eye piece: - It should be Paired, high quality, (the image of the object as seen through the binocular eyepiece should be well defined centrally in at least 2/3 field of view). -Achromatic, wide field, 10 x with inbuilt pointer. -The eyepiece should be aplanatic and have a minimum field number of 18 Diopter adjustment must be present on one/ both eye pieces or on the eye piece tube. Optical system: - Optical system should be infinity corrected. - System complete with illumination system is required. Objective: -Three objectives 10x, 40x, 100x. -10x and 40x objectives should have numerical apertures of 0.25 and 0.65 respectively. -100x should have numerical aperture of 1.25 and should be of oil immersion. -Unbreakable containers to be provided for storing the objectives. All objectives should be wide field, achromatic and par focal. Nose piece: Revolving nose piece to accommodate a minimum of three objectives with click stops. It should be provided with ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment. Extra ports if any should be fitted with dust proof metallic/ebonite caps.</p>

Sr. No.	Name of Equipment	Quantity	Specifications
			<p>Stage: -Stage uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/- 20mm) with fine vernier graduations (minimum reading accuracy of 0.1 mm). - It should be designed with convenient sub-stage vertical coaxial adjustment for slide manipulation. -The stage should have ball-bearing arrangement to allow smooth travel in transverse directions i.e. 80 mm (+/-5mm) and front to back direction, 50mm (+/- 5mm).</p> <p>Sub-stage condenser: Abbe-type condenser with numerical aperture (N.A.) 1.25 focusable with rack and pinion arrangement incorporating a spherical lens and an iris-diaphragm.</p> <p>Sub-stage illuminator: -The system should have a build-in variable light source (Illuminator). -This light source should have a 20 W, 6 V Halogen lamps. -The system should be provided with a step down transformer and an on-off switch and intensity control. - The lamp should be provided with a lamp socket which has the facility for easy replacement of the bulb.</p> <p>Power supply: -Voltage 220 V AC, 50Hz. should have one on-off power switch - A plano-concave mirror in fork mounting should be supplied which would be attachable to the base for field use when power is not available.</p> <p>Unit: -All optical parts including objectives, eye pieces and prisms should have anti-reflective coating which also gives anti-fungal property. - All metallic parts should be corrosion-proof, acid proof and stain-proof. - Working manual should be provided with each microscope. - A bottle of at least 25 ml immersion oil, a roll of lens tissue paper and lens cleaning solution (100 ml) should be provided with each microscope. - One anti-static cleaning brush should be provided with each Microscope for cleaning purpose. -The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%.</p> <p>Digital camera: 3 megapixel scientific grade (even at dim light) colour CCD camera along with image capture and analysis software and c-mount adapter.</p>

Sr. No.	Name of Equipment	Quantity	Specifications
			-Resolution at least 2448 x 1920 effective pixel (4 x 4 binning and 2 x 2 binning) and 10 bit digitization. - Microscope should come along with PC (i5 6200U processor, 6 GB RAM, 500GB HDD, DVR R/W, LED 20"). With UPS (minimum offline backup of 30 minutes).
31.	UV-VIS Spectrophotometer	01	Optical Design: -Double Beam with sample and reference cuvette positions; Czerny-Turner Monochromatic - Reference Compartment Should accommodate cells up to 100 mm path length as standard feature. Light Source: Instrument should have 2 sources i.e. (1) Halogen lamp for Visible range (2) Deuterium Lamp for UV range, light source should be auto automatically selected as per wavelength required. Spectral Bandwidth: 0.2 to 5 nm Variable bandwidth. Detector: Instrument should have high sensitive Photomultiplier tube as a detector. Scan Ordinate Modes: Absorbance, % Transmittance, % Reflectance. Scan Ordinate Modes: Absorbance, % Transmittance, % Reflectance. Resolution: Resolution: 0.1nm or better. Wavelength Range: 190-900 nm Wavelength. Wavelength Accuracy: ± 0.3 nm for entire range. Wavelength Repeatability: ± 0.05 nm or better ± 0.8 nm. Scanning Speed: Instrument should have variable wavelength scan rate from 4000 to 0.5nm/Min with automatic selection. Photometric Range: Absorbance = -4.0 to 4.0 Abs or better. Transmittance & reflectance 0 to 80000 % or better. Photometric Accuracy: 0.5 A: ± 0.004 A; 1A: ± 0.006 A; 2A: ± 0.010 A; (440 nm; traceable neutral density filters). Stray Light: Max. 0.005% (220 nm NaI) or better, Max. 0.005% (340,370 nm NaNO ₂) or better Max. 1% (198nm KCl) or better. Noise: 0.00005 Abs RMS (500nm) or better. Drift: < 0.0005 A/hr (500 nm, 1 hour warm-up). Baseline flatness: ± 0.0005 Abs or better. Accessories: -Instrument should have large sample compartment with suitable facility to fit below accessories. (Supplier should quote for same in the offer) (i) Quartz cell 10 mm Rectangular Path Length (5pairs) (ii) Quartz Cell 50mm Rectangular Path Length (2 Pairs) (iii) Quartz cell 100 mm rectangular Path Length (2 pairs). - Film Holder for measurement of direct transmittance of films.

Sr. No.	Name of Equipment	Quantity	Specifications
32.	Analytical Balance.	01	<p>Operational Requirements: It should have</p> <ul style="list-style-type: none"> - Microprocessor based single pan analytical balance with high accuracy and precision. - Reading of the weight by digital display - Electronic top loading balance with transparent case. - The balance should have functions of piece counting, percent weighing, and formulation, dynamic. - Weighing with automatic and manual start and provision for data interface. <p>Technical Specifications:</p> <ul style="list-style-type: none"> - Weigh accurately up to 3rd decimal place. - Fully automatic time and temperature controlled internal calibration and balance should be capable to adjust itself Auto zero setting. - Weighing capacity up to 200g <p>Readability 0.001gm Repeatability 1mg or less. Setting time 1.5secs.</p> <p>Balance should have: - Liquid Crystal Display (LCD) for display and Stainless steel square weighing pan</p> <ul style="list-style-type: none"> - IR sensors for hands free operation - Alphanumeric data entry of 4ID's <p>Environmental factors: - Safety for electromagnetic compatibility.</p> <ul style="list-style-type: none"> - The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80%. <p>Power supply: - Power input to be 220-240VAC, 50Hz.</p> <ul style="list-style-type: none"> - Suitable UPS with maintenance free batteries with minimum one hr backup should be supplied with the system. <p>Accessories: All necessary accessories should be provided with unit.</p>
33.	Colony counter	01	<p>Material of construction: Full Stainless steel fabricated body with duly heat cured epoxy coating with dimensions 41x32x30 cm.</p> <p>Unit: It should consist of</p> <ul style="list-style-type: none"> - Digital display upto 4 digits. - count range from 0 to >9000 - It should consist of Magnifying lens (more than 2X magnification. with digital marking pen(1) - Accepts petridish upto size 120mm diameter with a centering adaptor for standard 90mm petri dish - Fluorescent LED lamp - Zero reset button. <p>Warranty: 2 yrs of warranty with working manual.</p>

Sr. No.	Name of Equipment	Quantity	Specifications
34.	Howard Mold Counter	01	<p>Counting Chamber:-Includes Cover slips (5080 and 5090 -All glass construction. - It should consist of Engraved lines for microscopic calibration.Dimensions: Glass slides of 75 x 35 mm, with central section 15 x 20 mm which provides a cell of 0.1 mm depth.</p>
35.	Cooling Centrifuge	01	<p>Base unit:- Table-top high speed refrigerated centrifuge with option of fixed angle as well as swing out rotors. -Should give max Speed of 14,000 rpm/max rcf of 20,000xg or above with fixed angle rotor. - Rotor imbalance checking and imbalance alarms should be present - Should be compatible with rotors for small volume (1.5 ml/2.0 ml) as well as large volume (at least 4X100 ml). - LCD digital display for RPM/RCF, timer and temperature setting and actual run conditions should be displayed. Temperature range: 5°C to 40 °C. Power requirement: 220 v to 240 v -50 Hz If a voltage stabilizer is required, it should be supplied along with the unit. Rotors:- Fixed angle rotor: Fixed angle rotor for 1.5/2.0 ml tubes (at least 28 places or more) - Should supply adapters for 0.5 and 0.2 ml tubes -Should give RCF of 20,000 X g or more. - Rotor should be autoclavable. - Swing out rotor: Should have at least 4× 100 ml of capacity. - Maximum RCF produced should be 3200 x g or above -Four buckets should be provided (either round or rectangular buckets) -Adapters for 15ml conical bottom centrifuge tubes & 50 ml conical bottom centrifuge tubes should be provided (two adapters for 6 or 8 X15 ml and two adapters for 2 or 4×50 ml). - Rotor and buckets should be autoclavable. - Fitted with certified aerosol type cap on the rotor to avoid any accident due to breakage of sample tubes. Warranty: 3 years comprehensive warranty.</p>
36.	Micro Filtration Unit	01	<p>Unit Assembly: -Assembly should consist of borosilicate glass funnel with funnel base, filter support with silicone stopper clamp - It should have Holder which should be autoclavable. - It should be PTFE-Faced Fritted Glass Support. - Having diameter to hold filter paper of the 47mm diameter. Assembly: Assembly should be classic glass fitted holder with fitted inlet as funnel. Funnel capacity: It should be Available in four graduated funnel capacities 100, 300, 500,</p>

Sr. No.	Name of Equipment	Quantity	Specifications
			<p>Filter pore size: It should consists of vacuum pump with PVC tubing.</p> <ul style="list-style-type: none"> - Should consist of side arm flask (minimum 1 liter capacity) - Forceps to handle filter paper (sharp edged).
37.	pH meter	01	<p>Ph Range:0 - 14.00 Ph Accuracy:± 0.01 Ph Mv Range:0 - ± 1999 Mv Accuracy:± 1mV Temperature Range:0 – 100 ° C. Temperature Accuracy:± 1 °C. Calibration Points: 3-point calibration with auto buffer recognition. For calibration, preprogrammed buffer sets should be supplied. Temperature Compensation:Automatic Display:Backlit blue LCD with operation icon. Power:9V DC. Dimensions (L X W X H):210×205×65 mm.</p>
38.	Fumigator	01	<p>Capacity: 5 liters with easy cleaning facility. Material of construction: Body should be compact, durable, leak proof and made of stainless steel /heavy duty plastic. Particle size: <ul style="list-style-type: none"> -It should consist aerosols with particle size of less than 5 microns - The blower head should be rust proof and deliver aerosols uniformly. Unit: <ul style="list-style-type: none"> - It should be compatible with all disinfectant solutions usual concentration. - It should be compatible with maximum Ph range (both acid and alkali). - The equipment should be of good quality and conform to national/ international standards. Power supply: <ul style="list-style-type: none"> - The machine should operate on 220 +- 10 volts, 50 Hz, single phase, A.C - Provided with Cable should be at least 5 meters in length, ISI marked. - The discharge rate should not be less than 1Liter/25 minutes. - The tank capacity, discharge rate and timer on the machine should be so that the disinfectant should be able to disinfect 4000-5000 cubic feet in one cycle of 2 hours (max) peration. </p>
39.	UV chamber	01	<p>Test sample Area:Approx 3m×3m×8cm. Temp Range: 25-75°C,temp unifomiy±2°C. UV Lamp/tube: As Per Standards IEC 61215/61646:2005, IEC</p>

Sr. No.	Name of Equipment	Quantity	Specifications
			613455 UV radiation non uniformity: $\pm 15\%$ over the test plane. UV radiometer: Should measure UV-A, UV-B (280nm to 400nm) UV integrator: Should indicate measured UV irradiance on the test plane for UV-A, UV-B in W/m ² . Module temperature measurement: - At least four module temperature sensors (RTD) for monitoring module rear side. - The module temperature sensors shall be calibrated. Electricity Supply: 1-phase 230V $\pm 10\%$ or 3-phase 440V $\pm 10\%$, Frequency: 50Hz (Automatically Resume the test when there is power-cut) Safety Protection: 1.Reverse phase sequence protection for three phase 2. Shock proof body 3. Emergency stop 4. Door Interlock 5. Temperature Protection 6. UV protected glass window.
40.	Anaerobic jar	01	Capacity: 12 liters total volume. Material of construction: Transparent, unbreakable polycarbonate jar. Unit: - Jar should provided with pressure -cum -vacuum gauge attached to the lid - Jar should be ideal for all strict anaerobic test conditions. - Lid should consist of O- ring gasket. - It should provide with petri dish (100mmdiameter) holder/SS rack.
41.	SS Working Table	08	SS 304 grade working table with sink and tap, Size: 8.5 ft x 4.5 ft, height 4 ft with Top and bottom: 2 mm

Annexure 3**Technical Compliance of the bidder with reference to the 'Specification of Equipment'****Tender ID & Date:****Name of the Bidders:****Address:****Name and model no. of offered goods/equipment:**

Item	Technical specification from GKCIET Malda	Comment of CTPC/Technical Committee, GKCIET Malda	Any deviation from Specification, if any Features available in Equipment Yes or No	Corresponding part number/datasheet /page no in broacher in support of specification	Comment of CTPC/Technical Committee, GKCIET Malda

Signature of Bidder with seal

Annexure 4**Price Schedule form:** Price Schedule for Goods Being Offered from India/Abroad in INR

(Separate form to be used for each item offered)

Tender ID & Date:**Name & Model No. of offered good:**

Sr. No.	Details	Price per Unit in INR
1.	Ex-works, Ex-warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid)	
2.	GST payable, if contract is awarded (.....%)	C.G.S.T.(.....%)
		S.G.S.T. (.....%)
		I.G.S.T. (.....%)
3.	Packing & forwarding up to station of dispatch, if any	
4.	Charges for inland transportation, insurance to ultimate destination i.e. GKCIET, Malda if any	
5.	Installation, Commissioning and training Charges, if any	
6.	Any other charges (Please specify)	
Total Price (Sum of S. No 1 to 6) FOR GKCIET, Malda		

Total Bid price in Indian currency _____

In words: _____

Name _____

Business Address

Note:

(a) The cost of optional items shall be indicated separately.

Signature of Bidder with seal

Annexure 5

Price Schedule Form: Price schedule for goods being offered from abroad in currency other than INR

(Separate form to be used for each item offered)

Tender ID & Date:

Name of the Bidder/Tenderer:

Name & Model No. of offered good:

Sr. No.		Price per unit in ()
1.	Country of origin	
2.	FOB (named port of shipment) Or FCA (named place of delivery)	
3.	Freight and Insurance up to Indian Airport/port	
4.	Total Price at Indian Airport /port (2+3)	
5.	**Custom charges (please mentioned %)	
6.	Custom clearance and other charges if any (with breakup)	
7.	Inland Charges for Insurance & transportation to GKCIET, Malda	
8.	Installation, commissioning and training Charges, if any	
9.	If any other charges (Please Specify)	
	Total Price (FOR GKCIET, Malda) (Sum of S. No 1 to 9)	

Note: Kindly mention GST if applicable at any stage under S.No. 9 of the above table.

Total Bid price in foreign currency: -----words: _____

(a) Indian agents name & address _____

(b) The cost of optional items shall be indicated separately-----

Signature of Bidder with seal

Annexure 6**DEVIATION STATEMENT FORM****Tender ID & Date:****Name of the Bidders:****Address:****Name and model no. of offered goods/equipment:**

The following are the particulars of deviations from the requirements of the tender specifications:

CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

Signature of Bidder with seal

Annexure 7

(Please put this annexure at the top of the tender document)

Bidder's information & Check list

Tender ID & Date:

1. Name of the Firm:

2. Type of the firm: (Proprietorship, Pvt Ltd, Public Ltd, Partnership etc.)

3. Address of the firm:

4. Contact detail: Phone No.:

Mob No. :

Fax No.

E mail:

5. Name of the authorised signatory:

6. EMD detail : Instrument No.

Date :

Amount:

Issuing Bank name & branch detail:

7. Bank details of the firm:

Account No.:

IFSC Code:

Name of the Bank:

Branch:

Check List (Please enclose the copy of the following & tick as per applicability)

1. Proof of registration of the firm:

2. Authorisation certificate of dealership:

3. PAN card in Firm's name:

4. GST Registration Certificate:

5. Proof of registration with any central govt. organisation :

6. Purchase orders issued by any central govt organisation.

Signature of Bidder with seal