



Guwahati Biotech Park

Technology Complex, IIT Guwahati

Guwahati- 781 039

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TENDER DOCUMENT FOR

SUPPLY, INSTALLATION & COMMISSIONING OF LABORATORY EQUIPMENTS AT GUWAHATI BIOTECH PARK INCUBATION CENTER

NIT No.GBPIC/8.2.4.1/2014-15/2285 Dated 17th May 2014

System of bid	Two Bid system Part-I: Technical Bid Part-II: Price Bid
Last date & Time of submission of bids	16.06.2014 upto 1700 hrs.
Date & Time of Opening of bids	17.06.2014 at 1100 hrs.
Tender Fee	Rs.1000/-(One Thousand Only) in D.D./Banker's Cheque drawn in favor of Guwahati Biotech Park Incubation Center payable at Guwahati

**GUWAHATI BIOTECH PARK
TECHNOLOGY COMPLEX
IIT GUWAHATI, GUWAHATI-781039**

TENDER FORM

1	NAME & ADDRESS of the Bidder	
2	Telephone/Fax/Email	
3	NIT No. & Date	
4	Name of the item quoted	
5	Offer/Quotation No. & date	
6	Name of the authorized signatory	
7	Status of the tenderer: Proprietary concern/Partnership firm/Ltd. Company/Other	
8	Tender fee details	DD No..... DTD.....
9	EMD details	DD/BG No..... DATE:.....
10	CST/TIN/VAT No.	
11	PAN No.	
12	Enclosures along with bid	
13	Remarks if any	

Date

Signature & seal of Tenderer

Note: This tender form duly filled & signed should accompany with the Technical Bid as the top most page.

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BIDDING DOCUMENT

INVITATION FOR BIDS

To,
M/s. _____

Dear Sir,

The Chief Executive Officer, Guwahati Biotech Park, invites sealed quotations for supply, installation & commissioning of Equipments as per details at “**Instruction to Bidders’, General conditions of Contract” and Annexures I to XII** in **double** bid and so as to reach the office of the Guwahati Biotech Park on or before 16TH June, 2014.

The Tender will be governed by the “Notice Inviting Tender(NIT), “Instruction to Bidders”, “General Conditions of contract” and Annexures from I to XII of tender document. Deviation/Exceptions to the clauses, if any should be explicitly recorded.

This Bid Document contains pages numbered 1 to 51 consecutively. Please check to see that no page is missing nor any in duplicate. The bid documents are not transferable and the firm’s seal and signature of the authorized official must appear on all the papers and envelopes submitted. Tenders must be submitted separately for each item along with EMDs. Combined tenders submitted for more than one item together will be summarily rejected. However tender fee is one time submission only.

Chapter-1

INSTRUCTION TO BIDDERS

- 1.1 **TWO BID MODE OF TRANSMISSION:** Offers will have to be submitted in two Parts i.e. a) Technical Bid (Part-I) and (b) Price Bid (Part-II). The first inner sealed cover will contain Technical bid having all details but with price column blanked out. This cover will clearly be super scribed with "Technical bid" along with tender number and item description. The second sealed inner cover will contain only the price schedule duly filled in and signed and will be clearly super scribed with "Price Bid" along with tender number. These two covers shall be put into outer cover and sealed super scribing the following lines:

<p style="text-align: center;">“QUOTATION FOR SUPPLY, INSTALLATION & COMMISSIONING OF LABORATORY EQUIPMENTS AT <u>GUWAHATI BIOTECH PARK</u> , TECHNOLOGY COMPLEX, IIT GUWAHATI, GUWAHATI-781039”</p> <p style="text-align: center;">NIT No. GBPIC/8.2.4.1/2014-15/2285 DATED 17th MAY 2014</p> <p>To The Chief Executive Officer, Guwahati Biotech Park Technology Complex: IIT Guwahati Guwahati -781039, Assam, India</p> <p style="text-align: right;">From: M/s..... Contact No.:..... Email ID:.....</p>
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1.2 TECHNICAL BID (Part-I): In the Technical Bid the vendor must provide the followings:

- 1.2.1 Details of technical features of the offered equipments vis-à-vis NIT specifications;
- 1.2.2 Standard technical literature on each of the item offered;
- 1.2.3 Latest original catalogue in support of the item offered.
- 1.2.4 Dealership certificate on the offered products in case of dealers/authorized distributors;
- 1.2.5 List of reputed organizations/institutions where similar orders have been executed (copies work order to be enclosed)
- 1.2.6 Up-to-date Sales tax clearance certificate (for vendors outside the state of Assam)/VAT Registration certificate indicating also the TIN numbers (for vendors within the state of Assam) of the firm will have to accompany the quotation to be submitted.
- 1.2.7 Details of nature and maximum period of warranty offered by the vendor. The firm should give at least 3yrs warranty of the item from the date of installation or 39 months from the date of shipment whichever is earlier.
- 1.2.8 After sales service: the name and address of the nearest available authorized service centre should be stated in the quotation.
- 1.2.9 Tender fee in DD/Bankers Cheque & Earnest Money deposit (EMD) in the form of DD or BG must be enclosed with the technical bid.
- 1.2.10 The tenderer has to state in detail requirements including the electrical/power requirements, floor space, head room, foundation needed, AIR conditioned environment etc. for complete installation & commissioning of the equipments.

1.3 PRICE BID (Part-II): In the Price Bid part, the vendor must provide the followings;

- 1.3.1 Quantity, basic price against item-wise details of specifications of each of the offered items;
- 1.3.2 Price of optional accessories as required by NIT specifications and also may be relevant for the offered equipments will have to be specifically mentioned in the quotation;
- 1.3.3 Packing & Forwarding Charges if any (as percentage of basic price or as lump sum)
- 1.3.4 Central/ Sates Sales tax/Vat (as percentage of **basic+ packing & forwarding charge** if any)
- 1.3.5 Freight and Insurance charge if any (as percentage or as lump sum)
- 1.3.6 Annual maintenance Contract (AMC) rate after expiry of standard warranty period is to be clearly indicated preferably in both comprehensive and non-comprehensive terms failure to which the offer may not be considered even if it turns out to be at the lowest price. **Quoted prices should be inclusive of 3 years warranty at free of cost.**
- 1.3.7 Installation and commissioning charge (including service tax) to be shown item-wise extra, if any.
- 1.3.8 In case if the quoted price is FOR/FOB basis, the estimated insurance coverage charges may please be indicated.
- 1.3.9 CIP/CIF, (named place of delivery in India) value for Airways and Ocean freight respectively.
- 1.3.10 Custom Duty & Clearance Charges if any.
- 1.3.11 Inland freight/transportation & Insurance Charges if any.
- 1.3.12 Any other levies/Charges.

1.4 COST OF PREPARATION OF BID:

All costs associated with the participation in this bid such as preparation & submission of bid, post tender opening communications, personal representations during the tender opening etc. will be borne by the bidder.

1.5 ELIGIBILITY OF BIDDER:

- 1.5.1 The bidder shall either be the Original Equipment Manufacturer (OEM) or their authorized Original Equipment Supplier (OES), Authorized Distributor or Supplier. OES/Authorized Distributor/Supplier should enclose letter of authorization from O.E.M. authorizing the bidder to quote for the quoted item and shall be valid at the time of bidding.
- 1.5.2 Either the Indian Agent on behalf of the principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item or product. Furthermore if an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same product/item.

1.6 **EXPERIENCE & CAPABILITY OF THE BIDDER:**

The bidder must possess, prior to the deadline for submission of bid, minimum experience of executing such supply in laboratories or reputed institutes for last three years and successfully accomplishing each of the activities supply, Installation, testing and commissioning. The claim shall be supported by necessary detailed documentary evidence (copy of Supply order/Contract, installation report etc.) in respect of the equipments supplied. Experience shall be cited in the proforma at **Annexure-VII**.

1.7 **TENDER FEE:**

1.7.1 **Bidder has to submit a non-refundable one time Tender Fee** of Rs.1000/- (Rupees One Thousand only) in the form of demand draft in favour of **Guwahati Biotech Park Incubation Center**, Payable at Guwahati and should be sent in a separate envelope. The offer will not be considered without tender fee.

1.7.2 The Government Departments, National Small Industries Corporations (NSIC) or Small Scale Industries (SSI) are exempted from payment of tender fee.

1.8 **EARNEST MONEY DEPOSIT**

1.8.1 Refundable earnest money deposit, amounting to minimum 2% of the total quoted value, in case quoted value is Rs.1 lakh or more, (rounded off to the nearest hundred rupees) must be deposited as an earnest money along with the "Technical Bid" by demand draft or Bank Guarantee in favour of 'Chief Executive Officer, Guwahati Biotech Park' and payable at Guwahati.

1.8.2 **Vendor has to submit separate offers along with EMDs for each equipment.** Firms registered with DGS & D or with SSI/NSIC are not required to submit EMD. On the back side of the DD/BG the bidder should mention their name and the item against which the DD/BG is submitted. In case of foreign bidders, the BG is to be submitted by the Principal or their Indian Agent.

1.8.3 The EMD is required to protect the GBP against the risk of Bidder's conduct which would warrant the security's forfeiture in the following events:

- a. If the Bid is withdrawn during the validity period or any extension thereof duly agreed by the Bidder.
- b. If Bid is varied or modified in a manner not acceptable to GBP during the validity period or any extension of the validity duly agreed by the Bidder.
- c. If a Bidder, having been notified of the acceptance of its bid, fails to furnish Security Deposit/Performance Bank Guarantee within 21 days of notification of such acceptance.

1.8.4 GBP shall not be liable to pay any bank charges, commission or interest on the amount of EMD. The EMDs of unsuccessful Bidders will be returned on finalization of the bid. The EMD of successful bidder will be returned on receipt of Performance Bank Guarantee(PBG) against award of contract.

1.8.5 The EMD/BG shall be submitted in a separate envelope superscribing the followings:

NIT No. GBPIC/8.4.2.1/2014-15/2285 DATED 17TH MAY 2014	
"EMD SUBMITTED FOR.....(name of the item) <u>DD/BG No.Date.....</u>	
To The Chief Executive Officer, Guwahati Biotech Park Technology Complex: IIT Guwahati Guwahati -781039, Assam, India	
From: M/s..... Contact No.:..... Email ID:.....	

Please do not disclose the value of the EMD anywhere in the Technical Bid.

1.9 **AMENDMENT TO BIDDING DOCUMENT**

1.9.1 At any time prior to the deadline for submission of bids, the purchaser may, for any reason, whether at its own initiative or in response to clarification(s) requested by prospective bidder(s), modify the bidding documents by amendment(s). The changes/modifications would be hosted in the official website of GBP and therefore the prospective bidders are requested to surf the purchaser's official website before submitting their bids to take cognizance of the amendments.

1.9.2 In order to allow prospective Bidders reasonable time in which to take the amendments into account in preparing their bids, Guwahati Biotech Park may, at its discretion, extend the deadline for the submission of bids.

1.10 **PREPARATION OF BIDS**

1.10.1 The governing language for the Bids submitted shall be in English in the prescribed bid proforma & Annexures. The prescribed proforma and Annexures duly filled in and signed should be returned intact whether quoting for any item or not.

1.10.2 In the event of the space on the bid proforma being insufficient for the required purpose, additional pages may be added. Each such additional page must be numbered consecutively, showing the tender number and should be duly signed.

1.10.3 The Bidder shall sign its bid with the exact name of the firm to whom the contract is to be issued. The bid shall be duly signed and sealed by competent officer of the Bidder's organization. Each bid shall be signed by a duly authorized officer and in the case of GBP the same shall be sealed and signed or otherwise appropriately executed under seal.

1.10.4 The Bidder, in each tender, will have to give a certificate in its offer, that the terms and conditions as laid down in this bidding document are acceptable to it in toto.

1.11 **PRICE SCHEDULE**

Bid Prices: The bidders shall indicate on the appropriate price schedule, the net unit prices (wherever applicable). Prices quoted by the bidder shall be firm during the bidder's performance of the contract and not subject to variation on any account. Discount, if any, should be merged with the quoted prices.

1.12. **CONCESSIONS PERMISSIBLE UNDER STATUTES**

1.12.1 Bidder, while quoting against this tender, must take cognizance of all concessions permissible under the statutes including the benefit under Central Sale Tax Act, 1956, failing which it will have to bear extra cost where Bidder does not avail concessional rates of levies like customs duty, excise duty, sales tax, etc. GBP will not take responsibility towards this.

1.12.2 **INCOME TAX LIABILITY:** Bidder will have to bear all Income Tax liability both corporate and personal tax. Bidders should also bear the Service Tax liability.

1.12.3 Guwahati Biotech Park is exempted from payment of Excise duty vide Govt. of India Notification No. 10/97-Central Excise dated 1st March, 1997 and Custom Duty vide Govt. of India notification no.51/96-customs dated 23rd July, 1996.

1.12.4 GBP is NOT registered under the Central Sale Tax Act and is NOT entitled to avail concessional rate of Central Sales tax against form 'C' in respect of inter-state purchases

1.13 **PERIOD OF VALIDITY OF BID**

1.13.1 Bid shall be valid for acceptance for a period of 120 days from the date of opening as indicated in the "Invitation for Bid" and shall not be withdrawn on or after the opening of bids till the expiration of the validity period or any extension agreed thereof.

1.13.2 In exceptional circumstances, prior to expiry of the original bid validity period, the GBP may request the bidder for a specified extension in the period of validity. The requests and the responses shall be made in writing. The Bidder will undertake not to vary/modify the bid during the validity period or any extension agreed thereof. Bidder agreeing to the request for extension of validity of offer shall be required to extend the validity of Bid Security correspondingly.

1.13.3 No bid may be modified (or) withdrawn after the dead line for submission of bids.

1.13.4 Telex/Telegraphic/Telefax/Xerox/Photocopy bids will not be considered.

1.14 DEADLINE FOR SUBMISSION AND OPENING OF BIDS

1.14.1 Last date & Time for receipt of bid 16th June, 2014 upto 5 p.m.

All out-station tenders, if sent by post, should be sent under registered cover. Any bid received after dead line for submission of bid, will be rejected and returned unopened. GBP will not be responsible for the loss of tender or for the delay in postal transit.

1.14.2 Date & Time of opening bid 17th June, 2014 at 11.00 a.m.

The Bidder or his authorized representative may be present at the time of opening of bid on the specified date. In case of unscheduled holiday on the closing/opening day of bid, the next working day will be treated as scheduled prescribed day of closing/opening of bid, the time notified remaining the same.

1.14.3 Price bids of unsuccessful bidder, which remain unopened with GBP, will be returned to the concerned bidders within 5 (five) working days of receipt of Performance Guarantee Bond from the successful bidder.

1.15 CONFORMITY TO SPECIFICATIONS (both foreign & indigenous):

1.15.1 Specifications are basic essence of the product. The Bidder must note that their Bids will be rejected in case the tender stipulations are not complied with strictly or the services offered do not conform to the required specifications indicated therein. At the same time it must also be kept in mind that merely copying our specifications in their quotation shall not make the firms eligible for consideration. The lowest Bid will be determined from among those Bids which are in full conformity with the required specifications. Compliance to technical specifications of the system envisaged in the bid-document is essential.

1.15.2 A quotation has to be supported with the printed OEM's technical literature / leaflets and the specifications mentioned in the quotation must be reflected/supported by such printed technical leaflets/literature and model quoted/tendered specifications should invariably be highlighted in the leaflets for easy reference.

1.15.3 Bids will be evaluated on the basis of printed technical literature / brochures / details / certifications / catalogue provided in the bid. Bidders are therefore required to submit these documents as applicable in respect of the offered items as evidence that offered items meet the tender specifications. **Deviation in the configuration shall be clearly INTIMATED in the format as per Annexure-VIII(Deviation certificate).**

1.16 NOTIFICATION OF AWARD:

1.16.1 **AWARD OF ORDER/CONTRACT:** GBP will award the order/contract to the successful bidder whose bid has been determined to be **in full conformity to the bid documents** and has been determined as the lowest evaluated bid(L1).

1.16.2 Prior to the expiration of the period of bid validity, the GBP will notify the successful bidder in writing (within a maximum period of 7 days once the evaluation process is finalized) that its bid has been accepted. The notification of award will constitute the formation of the contract. Thereupon the detailed order will be transmitted through Post/courier/Fax and email as well.

1.16.3 In the event, the bid validity is found expired at the time of releasing the order, GBP will ask the successful bidder (L1) to extend the validity of their bid price till the confirmation of order.

1.17 PERFORMANCE BANK GUARANTEE(Applicable only to Orders costing Rs. 5 lakh or more)

1.17.1 The successful bidder shall furnish an unconditional performance bank guarantee in the Performance Security Form provided at **Annexure-I** valid till 60 days after the warranty period from a scheduled bank for 10% of the Purchase order value within 21 days from the placement of order failing to which the contract shall be deemed as terminated. Failure of the successful Bidder to comply with this requirement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the GBP may make the award to the next lowest evaluated bidder or call for new bids.

1.17.2 The Performance Guarantee will be returned within 60 days of completion of contract in all respect/delivery period as per contract / supply order.

1.17.3 The Bank Guarantee by Indian Bidders will be given on non- judicial stamp paper as per stamp duty applicable at the place where the tender has emanated. The non-judicial stamp paper should be in name of the issuing Bank.

1.17.4 The expiry date as mentioned should be arrived at by adding 30 days to the date of expiry of the bid validity unless otherwise specified in the bidding documents.

1.17.5 The Bank Guarantee will be given from Nationalised/Scheduled Banks only.

CHAPTER-2

GENERAL CONDITIONS OF CONTRACT

(Please note that the term "both foreign & indigenous" wherever mentioned means the term is applicable to both foreign & indigenous purchase)

2.1 RATES & PRICE BREAK UPS;

2.1.1 **Rates quoted for indigenous items should be on FOR Guwahati Biotech Park i.e. on door delivery basis, with break-ups as per details below:**

Break-up of cost:

- a) Basic price
- b) (+) Central Excise Duty, if any
- c) (+) VAT/Central Sales Tax (On-Sub Total Price, Including excise duty, if any)
- d) (+) Freight & Insurance Charges upto place of delivery, if any
- e) (+) Installation, Commissioning & Training Charges, if any
- f) Grand Total F.O.R. Guwahati Biotech Park, Price

2.1.2 The equipment has to be delivered at Guwahati Biotech Park premises. Unloading the item from the transport is under the risk of supplier.

2.1.3 Vague terms like "packing, forwarding, transportation extra" without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected. Bidders shall indicate their rates in clear/ visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.

2.2 **Rates quoted for imported items should be on DDP, (Guwahati Biotech Park) basis or FOB/FCA (named port of shipment) / CIF/CIP, (named port of shipment) along with all incidental charges to be borne out for door delivery upto GBP as per price schedule form at Annexure-II with the following details:**

- (a) Ex-works value
- (b) Documentation & handling Charge, if any
- (c) Estimated Overseas Freight.
- (d) Estimated Overseas Insurance charge (in case the firm holds open insurance policy, the insurance certificate relating to the consignment will have to be provided).
- (e) Custom duty if applicable and custom clearance charges if any.
- (g) Inland Freight/Transportation & and insurance charges upto Guwahati Biotech Park,
- (h) loading and unloading at both terminals and other charges if any.
- (i) Installation, Commissioning & Training Charges, if any
- (j) The agency Commission if any.
- (k) **Grand Total:** Door delivery Price (DDP, Guwahati Biotech Park)

2.2.1 The INCOTERMS used in this bid document shall be governed by the rules prescribed by International Chambers of commerce (ICC, Paris).

2.2.2 **Entry Tax:** Assam Govt. Entry Tax- usually@ 2% (to be paid by GBP, not by the supplier), wherever applicable, will be added while evaluating cost status of the concerned equipment to be supplied by suppliers from outside the State of Assam.

2.2.3 **CUSTOMS/EXCISE DUTY:** The Organization is exempted from payment of Customs / Central Excise Duty vide GOI Notification No. 51/96-Customs, dated 23.07.1996 and Central Excise duty exemption in terms of Govt. notification No. 10/97-Central Excise, dated 01.03.1997 against valid DSIR Certificate No. TUV/RG-CDE (1118)/2013, dated 03.01.2014.

2.3 **EVALUATION OF BIDS:**

2.3.1 The bids will be evaluated in two stages viz. Technical Bid Evaluation & Price bid Evaluation. The Technical bids will be evaluated soon after opening of bids and during such evaluations any clarification or query maybe raised by GBP in email or letter/fax. etc. The bidder should co-ordinate and reply in writing against such queries at the earliest possible time facilitating the evaluation process. Such written queries & replies will be annexed with the bid and shall be treated as the part of the bid.

- 2.3.2 The technical bids will be evaluated to examine the following parameters:
- whether the bidder meets the eligibility criteria
 - whether the bidder has submitted EMD and Tender fee wherever applicable
 - whether the bidder has submitted all necessary documents required as per the tender
 - whether the bid document and all prescribed Formats(except the price schedule formats) are filled and signed & stamped
 - whether the quoted specifications are compatible to tender specifications etc.

Combined tender for more than one item in the same envelope & Bids received late will be summarily rejected.

2.3.3 The price bids of technically qualified bidders will be opened in a specified date which will be intimated to the qualified bidders. Also the price bid opening date will be notified in the official website. The bidder or their authorized representative may attend the price bid opening session.

2.3.4 Bidders attempt to negotiate price or any change in price already quoted will not be entertained during price bid evaluations. Also no information regarding the status of the bidder will be disclosed until the award of the contract.

2.3.5 The bids will be evaluated on F.O.R. destination basis. For the purpose of evaluation, all bid currencies will be converted into Indian rupees. The selling exchange rate on the date of opening of the Price bids will be considered for conversion of foreign currencies.

2.3.6 In case of Indigenous supplier, the total bid value will be **F.O.R., Guwahati Biotech Park price** which is inclusive of 3years warranty at free of cost, the cost of all essential accessories/spares & consumables for complete installation and demonstration of the equipment and charges for installation, demonstration and training if any. GBP will provide only floor space/bench and electrical arrangement only.

2.3.7 In case of goods being directly offered from abroad, the total bid value will be DDP, Guwahati Biotech Park price in foreign currencies as per Price Schedule format at annexure-II. The bidder in such cases should include the Custom Duty & Custom clearance charges, Freight & Insurance Charges and all other incidental charges to be incurred for door delivery, installation, demonstration & Training of the equipment.

2.3.8 In case of goods being offered from abroad through Indian agent the total bid value will be:

a. FOB/FCA, (Named port of destination) price + Sea/Air Freight & Insurance Charges + Custom Duty & Custom Clearance charges+ Agency commission if any + Door delivery & Insurance charges upto GBP + Installation, commissioning & Training charges if any + Cost of complete accessories/spares & consumables for complete installation & demonstration of the equipment.

Or

b. CIP/CIF, (Named port of destination) price + Custom Duty & Custom Clearance charges+ Agency commission if any + Door delivery & Insurance charges upto GBP + Installation, commissioning & Training charges if any + Cost of complete accessories/spares & consumables for complete installation & demonstration of the equipment. In such cases all incidental charges incurred in India shall be paid to suppliers Indian Agent in Rupees

2.3.9 In case bidder agrees to deliver the item on CIF/CIP (named port of shipment) with no extra cost or incidental charges towards door delivery & installation of the equipment, the order will be placed on CIP/CIF term.

2.3.10 Otherwise GBP may at its discretion may place the order on CIF/CIP term in foreign currencies and pay the other incidental charges to be incurred in India to the suppliers Indian Agent after complete installation & demonstration of the equipment.

2.4 DELIVERY & INSTALLATION

2.4.1 For indigenous Supplier the entire job comprising delivery & installation has to be done at Guwahati Biotech Park within 30 days from the date of the order. In case of any damage or late delivery, the Administration of GBP reserves the right not to accept the consignment.

2.4.2 **In case of imported item, the shipment has to be delivered at Guwahati Biotech Park, Technology complex, IIT Guwahati within 45 days from the date of establishment of LC or FDD.**

- 2.4.3 For purchase order placed on CIP/CIF, basis, the vendor must take necessary steps for custom clearance at Air/Sea Port and arrange to make door delivery of the equipment at Guwahati Biotech Park at their own cost. Guwahati Biotech Park will arrange to provide necessary custom clearing documents and road permit as and when necessary. No other delivery term shall be accepted. The Price evaluation will be carried out only on the basis of the Lump sum door delivery cost.
- 2.4.4 For arrangement of custom clearing document and Road permit one set of original dispatch document has to be sent to Guwahati Biotech Park office soon after material is shipped.
- 2.4.5 While transshipment will be allowed, part shipment will not be allowed.

2.5 **SAFE DELIVERY OF GOODS::**

All aspects of safe delivery shall be the exclusive responsibility of the supplier. The supplier shall ensure that packing shall be sufficient to withstand rough handling during transit and exposure to different weather conditions. Also adequate markings & instructions shall be provided outside the boxes for proper handling during transit. At the destination site the packing will be opened in presence of Guwahati Biotech Park user/representative. The proper commissioning will be the basis for receipt in good condition. In case of any damage, GBP reserves the right not to accept the consignment.

2.6 **SHIPMENT/DELIVERY DOCUMENTS:**

- 2.6.1 For goods being supplied from within India the supplier has to furnish the following documents:
- a. Three copies of Invoice in original indicating inter-alia description of goods, specifications, quantity, unit price, VAT/CST, Service Tax wherever applicable and total amount etc.
 - b. Packing list
 - c. Certificate of country of origin
 - d. Insurance certificate wherever applicable
 - e. Railway receipt/Consignment Note
 - f. Manufacturers Warranty certificate & In-house inspection certificate &
 - g. Any other document as per the terms of contract.

Within 24hrs of dispatch, the supplier has to intimate the dispatch details to the purchaser through email/fax/courier etc.

- 2.6.2 For goods being supplied from abroad: Within 24hrs of dispatch, the supplier shall notify the purchaser the complete details of dispatch through email/fax and supply the following documents by courier/registered post etc.
- a. Three copies of Invoice in original giving full details of goods supplied as per order
 - b. Packing list
 - c. Certificate of country of origin
 - d. Insurance certificate wherever applicable
 - e. Manufacturers Warranty certificate & In-house inspection certificate
 - f. Airway Bill/Bill of lading indicating date of shipment, port of loading & Port of discharge
 - g. Name of the Vessel/Carrier
 - h. Approximate date of arrival and any other document as per terms of the order.

Also the supplier has to provide the details of their clearing & forwarding agent (CHA) to furnish the custom clearing documents in a manner to avoid demurrage or warehouse charges at Airport.

2.7 **LIQUIDATED DAMAGES**(for both foreign & indigenous supplier)

Time and date of supply & completion of Installation shall be the essence of the CONTRACT. In the event of delayed delivery, installation & commissioning i.e. after the expiry of the period as agreed by both parties, the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 10% as detailed below:

- @ 1% to one week
- @ 2.5% upto two weeks
- @ 5% upto three weeks
- @ 10% for four weeks and above

For the purpose of this clause, part of the week is considered as a full week.

- 2.8 **PRE-INSTALLATION REQUISITES**(both foreign & indigenous)
Offers shall include all the necessary relevant accessories/spares & consumables for installation of the equipment in a manner such that the installation shall not degrade the characteristics of operation of the equipment under ambient conditions. Pre-installation requisites (electrical/floor/space/air-conditioning etc.) if any should be invariably mentioned clearly.
- 2.9 **TRANSIT INSURANCE:**
Both foreign & indigenous supplier has to insure the consignment against all risk such as theft, loss or damage during transit. In the event of a claim on Insurance companies, the supplier has to co-ordinate with the purchaser giving full details of dispatch to lodge a complaint. The consignment will be opened in presence of suppliers representative to ascertain any loss or damage.
- 2.10 **WARRANTY & GUARANTEE:**
- 2.10.1 The warranty shall remain valid for 36 months from the date of installation or 39 months from the date of shipment whichever is earlier. The warranty shall cover all items (i.e. the equipment and its spares, UPS, Computer, Printer etc.) except consumables/accessories required for installation of the equipment.
- 2.10.2 The warranty on the associated software should cover providing the upgraded versions at free of cost during the warranty period.
- 2.10.3 **Materials & workmanship:** Supplier shall fully warrant that all the stores supplied under the CONTRACT shall be new and of first quality according to the specifications and shall be free from defects (even concealed faults, materials & workmanship). The supplier shall provide a Guarantee certificate of the equipment and its accessories against poor workmanship, bad quality of material used, faulty design and performance figures.
- 2.10.4 Should any defects be noticed in work, within warranty period GBP shall inform SUPPLIER and SUPPLIER shall immediately on receipt of such intimation, depute their personnel within 3 days to investigate the causes of defects and arrange rectification/replacement/modification of the defective material at site without any cost to GBP within a reasonable period. GBP shall be free to take such corrective action as may be deemed necessary at suppliers' risk and cost after giving notice to the supplier.
- 2.10.5 Damage to the work due to incomplete and erroneous instructions issued by the supplier will be the responsibility of the supplier and will be treated according to the provisions of warranty clause. Normal wear and tear shall not come under purview of this clause.
- 2.10.6 In case defects are of such nature that material shall have to be taken to suppliers' works for rectification etc., supplier shall take the MATERIAL at his costs after giving necessary undertaking. GBP shall, if so required by the supplier, dispatch the material by quickest mode at their risk. Material thereof replaced shall have further warranty for a period of as specified earlier from the date of acceptance.
- 2.10.7 For goods being supplied from abroad the principal should have local logistic support & service personnel to provide spares and to undertake AMC beyond warranty period. The name of such Indian agent and contact details should be provided in the offer.
- 2.10.8 Supplier shall be liable if it is found failed to honor his obligation to repair or replace defective goods within a reasonable period of time or if supplier refuse to carry out work under the guarantee clause and implied guarantee conditions.
- 2.11 **INSPECTION/TESTING & ACCEPTANCE OF MATERIAL**
Inspection of material will be carried out by the competent personnel appointed by GBP. The material will be accepted only after the same has been found satisfactory after inspection and duly signed and sealed by the inspecting authority on completion of Installation & commissioning. The supplier shall ensure that the material to be supplied against this CONTRACT shall be individually inspected, tested and analysed in terms of the specifications attached to the tender and the relevant codes and practices specified therein by expression or implication. Supplier should provide Inspection report/ or Quality Assurance certificate from Manufacturer at the time of inspection.

2.12 **CHANGE ORDER (REVISION OR AMENDMENT)**

A change order will be initiated only in case (i) GBP directs the supplier in writing (amendment/revision), to include any addition to the Scope of Work covered under this CONTRACT or delete any part of the scope of the work under the CONTRACT (ii) supplier requests to delete any part of the order which will not adversely affect the operational capabilities of the facilities and if the deletions proposed are agreed to by GBP and for which cost and time benefits shall be passed on to GBP.

2.13 **QUANTITY IN ORDER;**

Normally quantity in orders shall be as per Checklist/BOQ mentioned in the Annexure-XI. However GBP reserves the right to vary the quantity at the time of placing the orders without changing the unit rates & other terms.

2.14 **PAYMENT SCHEDULE:**

2.14.1 The Invoice raised by the Supplier shall be addressed to Chief Executive Officer, Guwahati Biotech Park, Technology complex, IIT Guwahati, Guwahati-781039 in quadruplicate.

2.14.2 **In case of indigenous supplier** bills shall be submitted by the vendor on completion of INSTALLATION. Payment against clear undisputed invoice/bills submitted by the vendor will be made by GBP within 30 working days from the date of submission of bill/invoices, complete in all respects, generally through A/c payee cheque. In case payment is required by DD, the draft commission will be deducted from bill amount. All applicable taxes and penalties will also be deducted from the bill at source.

2.14.3 For vendors within the state of Assam, appropriate VAT will be applicable (to be deducted at source).

2.14.4 **Please note as per Organization's norm advance payment is not allowed for indigenous purchase.**

2.14.5 **In case of Imported Goods, payment above \$ 10,000.00 shall be made by** an irrevocable letter of credit through any overseas branch of state bank of India with unrestricted provision or through FDD as per terms and conditions below;

2.14.6 In case of payment by LC, 90% of the price will be paid against receipt of proof of dispatch such as AWB, Invoice, packing List, Insurance certificate etc. The remaining 10% shall be released only after receipt of satisfactory installation & commissioning report of the equipment.

2.14.7 In case of payment by FDD, 100% payment by FDD will be made on the request made by the supplier. In this case on receipt of acknowledgement an FDD will be established for total ordered value, thereupon a scanned copy of FDD will be sent to enable the supplier to send the materials. The original FDD will be sent only after receipt of satisfactory installation & commissioning report of the equipment.

2.14.8 **Please note that FDD/LC will not be opened unless and until Letter of acknowledgement in original is received at Guwahati Biotech Park, directly from the Principal (even in case of firms having subsidiary office in India). The Indian agents are therefore advised to submit quotations after consultation with their respective principals.**

2.14.9 **Country of Origin:** While the country of origin will not be insisted, the same however will have to be stated in the original Invoice for payment through LC.

2.14.10 **LC Amendment:** LC/FDD amendment charges due to mistake on the part of the supplier, if any, will have to be borne by the supplier.

2.14.11 **Below \$10,000.00 Wire transfer as given below:**

90% of the price will be paid in advance against proof of dispatch such as AWB, Invoice, Packing list, Insurance certificate etc. from a scheduled bank provided by the supplier/Indian agent. The remaining 10% shall be released only after receipt of Inspection Report or satisfactory installation & commissioning report of the equipment.

2.14.12 **In all cases, the bidders should invariably provide the following information:**

- a. Name & complete address of the supplier as per bank records
- b. Name & Address of the bank with Branch details
- c. Bank Account No. and indicate the core Bank Account no. if any.
- d. IFSC/NEFT/MICR code etc.
- e. PAN/TIN & Sales Tax Registration no. in case of Indigenous suppliers.

- 2.15 **CATALOGUES/MANUAL:**
Tenderer shall submit original printed manufacturers' technical specifications and catalogues, operation manual, literature, diagrams, photographs etc. of goods offered thereby facilitating technical evaluations.
- 2.16 **SHORT SHIPMENT:**
If any short-shipment is noticed, the same will be arranged immediately with all charges to this effect to be borne by supplier/Indian agent.
- 2.17 **GENUINE PRICING** (both foreign & indigenous supplier):
Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold. Copy of the latest price list for the quoted item, applicable in India, must be enclosed with your offer.
- 2.18 **CONDITIONAL TENDERS** (both foreign & indigenous):
Conditional tenders shall not be accepted on any ground and shall be rejected straightway. In other word, printed conditions mentioned in the tender bids submitted by vendors will not be binding on Guwahati Biotech Park. All the terms and conditions for supply, payment terms, penalty etc. will be as those mentioned herein and no change in the terms and conditions by the vendors will be acceptable.
- 2.19 **ENQUIRY DURING EVALUATION:**
No enquiry shall be made by the bidders during the course of evaluation of the tender till the final decisions conveyed to the successful bidder(s). However, the committee/its authorized representative can make any enquiry/seek clarifications from the bidders. In such situation, the agency shall extend full co-operation.
- 2.20 **TERMINATION OF DEFAULT:**
- 2.20.1 Default is said to have occurred
- If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by GBP.
 - If the supplier fails to perform any other obligation(s) under the contract.
- 2.20.2 If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of default notice from **CEO, Guwahati Biotech Park** (or takes longer period in spite of what GBP may authorize in writing), GBP may terminate the contract/purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, GBP may at its discretion also take the following actions: GBP may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate GBP for any extra expenditure involved towards goods and services obtained.
- 2.21 **APPLICABLE LAW & ARBITRATION**(both foreign & indigenous):
- 2.21.1 The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of competent Court & forum in Guwahati, India only.
- 2.21.2 In case of dispute or difference arising between Purchaser and a Supplier, such disputes shall be settled in accordance with rules and provision under the **Indian Arbitration & Conciliation Act., 1996.**
- 2.21.3 Any dispute arising out of this purchase shall be referred to the CEO, Guwahati Biotech Park, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an arbitrator, who should be acceptable to both the parties, to be appointed by the CEO, GBP. The decision of such arbitrator shall be final and binding on both the parties.
- 2.21.4 In case any dispute arising in between purchaser and a foreign bidder cannot be settled under the provision mentioned above, such disputes shall be settled in accordance with the provision of UNCITRAL (United Nations Commission on International Trade law).

2.22 LIABILITY IN CASE OF JOINT VENTURE, CONSORTIUM OR ASSOCIATION/AMALGAMATION/ ACQUISITION & PATENT RIGHT:

2.22.1 If the supplier is a Joint venture, consortium or association, all of the parties concerned shall be jointly and severally liable to GBP for fulfillment of the obligations under the contract. The composition of the Joint venture, consortium or association shall not be altered without prior consent of the purchaser.

2.22.2 Amalgamation/Acquisition: In the event of Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the performance of the contract, the buyer/successor of the Principal company are liable for fulfillment of obligations under the contract.

2.22.3 Patent Indemnity: The supplier shall also indemnify and hold harmless the purchaser and its employees and officers from and against any or all suits, actions or administrative proceedings, claims, demands, losses, damages, costs and expenses of any nature including attorneys fees and expenses, which the purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the contract by reason of:

- a. the installation of the Goods by the Supplier or the use of the Goods in India; and
- b. the sale in any country of the products produced by the goods.

2.24 FORCE MAJEURE

2.24.1 The supplier shall not be liable for failure to perform its obligations under the contract in the event of Force Majeure. The term "Force Majeure" as employed herein shall mean acts of God, War, Civil Riots, Fire directly affecting the performance of the supplier, Flood and Acts and Regulations of respective government of the two parties, namely GBP and the supplier.

2.24.2 Upon the occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid thereby, shall notify the other party in writing, the beginning of the cause amounting to Force Majeure as also the ending of the said clause by giving notice to the other party within 72 hours of the ending of the cause respectively. If deliveries are suspended by Force Majeure conditions lasting for more than 2 (two) months, GBP shall have the option of canceling this CONTRACT in whole or part at his discretion without any liability at his part.

2.25 CONSIDERATION OF TENDER

2.25.1 **The acceptance of the offers will rest solely with the CEO**, Guwahati Biotech Park, who in the interest of the organization reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reason.

2.25.2 Guwahati Biotech Park decision shall be final and binding and no claims/representations in this regard shall be entertained. Guwahati Biotech Park reserves the right to accept or reject any or all the bids and to withdraw or cancel entire bidding process without assigning any reasons whatsoever. Mere submission of bid by the bidder does not vest any right in them for being selected.

**Sd-/
Chief Executive Officer
Guwahati Biotech Park**

Proforma of Bank Guarantee

Ref. No.....

Bank Guarantee No.....

Dated

To
 Chief Executive Officer
 Guwahati Biotech Park
 Technology complex, IIT Guwahati
 Guwahati781039

Dear Sir,

Whereas **Guwahati Biotech Park** having its office at Technology Complex, IIT Guwahati, Guwahati-781039 (hereinafter called 'PURCHASER' which expression shall unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees) has floated a Tender No. _____ and M/s _____ having Head/Registered office at _____ (hereinafter called the 'Bidder' which expression shall unless repugnant to the context or meaning thereof mean and include all its successors, administrators, executors and permitted assignees) have submitted a bid Reference No..... and Bidder having agreed to furnish an unconditional and irrevocable Bank Guarantee of Indian Rupees (in figures)_____ (Indian Rupees(in words)_____ only) as a security for compliance with the Supplier's performance obligation in accordance with the Purchase order no.....dated..... which amount is liable to be forfeited on the happening of any contingencies mentioned in said documents.

We (name of the bank)_____ registered under the laws of_____ having head/registered office at _____ (hereinafter referred to as "the Bank" which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and permitted assignees) guarantee and undertake to pay immediately on first demand by Guwahati Biotech Park, the amount of Indian Rs....(in figures) _____ (Indian Rupees(in words) _____ only) in aggregate at any time without any demur and recourse, and without Guwahati Biotech Park having to substantiate the demand. Any such demand made by Guwahati Biotech Park shall be conclusive and binding on the Bank irrespective of any dispute or difference raised by the Bidder.

The Bank confirms that this guarantee has been issued with observance of appropriate laws of the country of issue. The Bank also agree that this guarantee shall be irrevocable and governed and construed in accordance with Indian Laws and subject to exclusive jurisdiction of Indian Courts of the place from where tenders have been invited.

This guarantee shall be irrevocable and shall remain in force upto _____ which includes thirty days after the period of bid validity and any demand in respect thereof should reach the Bank not later than the aforesaid date.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is limited to Indian Rs...(in figures)_____ and our guarantee shall remain in force until (indicate the date of expiry of bank guarantee) _____.

Any claim under this Guarantee must be received by us before the expiry of this Bank Guarantee. If no such claim has been received by us by the said date, the rights of Guwahati Biotech Park under this Guarantee will cease. However, if such a claim has been received by us by the said date, all the rights of Guwahati Biotech Park under this Guarantee shall be valid and shall not cease until we have satisfied that claim. In witness whereof, the Bank, through its authorised officer, has set its hand and stamp on this day of at

WITNESS

 (Signature)
 Full name and official
 address (in legible letters)

 (Signature)
 Full name, designation and
 official address (in legible
 letters) with Bank stamp.

Dated

Annexure-II

Price Schedule For Goods Being Offered From Abroad

Name of the Bidder:

NIT No. & Date:

Offer/Quotation No. & Date:

Name of the Item:

Make/Model No.:

Country of origin:

Currency:

SL No.	Description of Items			Qty.	Unit.	Rate	Amount
	Part No./Catalogue No.	Item Name	Specifications				
	Required Spares/ Consumables (if any)						
	Accessories (if any)						
	Additional Items						
	Total Ex-works price						
	Less: Discount if any						
	Net Ex-work Price						
	Packing & forwarding charges if any						
	FOB/FCA(named port) price						
	Overseas Freight & Insurance						
	Charges for inland transportation, insurance up to Guwahati Biotech Park						
	CIP/CIF,(named port in India)						
	Approximate Custom duty if applicable						
	Custom Clearance charges if any						
	Inland Freight upto GBP if any						
	Installation , Commissioning and training Charges, if any						
	Total DDP, Guwahati Biotech Park Price						

Signature & seal of Bidder

Note: Bidder may use additional rows/sheets if necessary keeping the format same.

ADDITIONAL INFORMATON:

Term	Condition	Remark if any
Validity of Price bid Upto:		
Delivery term(INCOTERM):		
Delivery Schedule:		
Mode of Shipment; (Sea/Air/Road/Rail)		
Port of Destination/Discharge		
Final destination/Place of delivery	Guwahati Biotech Park (GBP), Technology Complex, IIT Guwahati	
Warranty Period:		
Payment Term:		
Payment option: (LC/FDD etc.)		
Annual Maintenance Charges:	Comprehensive	
	Non-Comprehensive	
Indian agents name & address		

Note:

- a. Quoted price should be inclusive of 3yrs Warranty at free of Cost.
- b. GBP has a valid DSIR certificate and is Exempted from Custom Duty in terms of Govt. notification No.51/96-customs dated 23.01.1996.
- c. In case of bidder quote in CIP/CIF, (named port) term, the other charges such as agency commission if any, Custom duty & clearance charges, Inland freight & insurance charges upto GBP, Installation & Commissioning charges if any will be paid in Indian Currencies.
- d. The Indian agent's commission shall be paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents.
- e. The cost of optional items shall be indicated separately.
- f. The L1 bid will be evaluated by comparing the landing cost of all bids in the same currency i.e.in Rupees. The landing cost will comprise of Cost of the equipment along with complete accessories for installation of the same+ all charges, taxes & duties etc.
- (g) The selling exchange rate on the date opening of price bid will be considered for conversion of foreign currencies.

Signature & seal of Bidder

Annexure-III

Price Schedule For Goods Being Offered From India.

Name of the Bidder:

NIT No. & Date:

Offer/Quotation No. & Date:

Name of the Item:

Make/Model No.:

Country of origin:

SL No.	Description of Items			Qty.	Unit.	Rate	Amount	VAT/CST & other taxes applicable if any	Total
	Part No./ Catalogue No.	Item Name	Specifications						
	Required Spares/Consumables (if any)								
	Accessories (if any)								
	Additional Items								
	Net Ex-work Price								
	Packing & forwarding up to Guwahati Biotech Park, if any								
	Charges for inland transportation, insurance up to Guwahati Biotech Park								
	Installation Commissioning and training Charges, if any								
	Total F.O.R., Guwahati Biotech Park Price								
	Total Bid price (F.O.R., GBP) in words.....								

Signature & seal of Bidder

Note: Bidder may use additional rows/sheets if necessary keeping the format same.

ADDITIONAL INFORMATON:

Term	Condition	Remark if any
Validity of Price bid Upto:		
Delivery term:		
Delivery Schedule:		
Mode of Shipment; (Rail/Road/Air)		
Port of Destination/Discharge		
Final destination/Place of delivery	Guwahati Biotech Park (GBP), Technology Complex, IIT Guwahati	
Warranty Period:		
Payment Term:		
Annual Maintenance Charges:	Comprehensive	
	Non-Comprehensive	

Note:

- a. Quoted price should be inclusive of 3yrs Warranty at free of Cost.
- b. GBP has a valid DSIR certificate and is Exempted fully from Excise duty against Notification No.10/97 of Central Excise Act.
- c. For suppliers from outside the state of Assam, entry tax @2% will be added during evaluation for arriving their total bid price.

Signature & seal of Bidder

Annexure-IV

Bidder Information Form

- a) The Bidder shall fill in this form in accordance with the instructions indicated below. No alternations to its format shall be permitted and no substitutions shall be accepted. This should be done of the letter head of the firm

Date: (of Bid Submission)

Tender No.: (insert number from invitation for bids)

Page 1 of _____ pages

1. Bidder's Legal Name:
2. In case of JV, legal name of each party:
3. Bidder's actual or intended Country of Registration:
4. Bidder's Year of Registration:
5. Bidder's Legal Address in Country of Registration:
6. Bidder's Authorized Representative Information Name: (Authorized Representative's name) Address: (Authorized Representative's Address) Telephone/Fax numbers: (Authorized Representative's Telephone/Fax numbers) Email Address: (Authorized Representative's Email Address)
7. Attached are copies of original documents of: (check the boxes of the attached original documents) Articles of Incorporation or Registration of firm named in 1, above , in accordance with ITB Clauses ... and ...

Signature of Bidder _____

Name _____

Business Address

Annexure-V

Manufacturer's Authorization Form

The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.

Date: (date of Bid submission)

Tender No.: (insert number from invitation for bids)

To: (Complete name and address of Purchaser)

Whereas

We (complete name of the manufacturer), who are official manufacturers of (type of goods manufactured), having factories at (full address of manufacturer's factories), do hereby authorize (complete name Bidder) to submit a bid the purpose of which is to be provide the following Goods, manufactured by us (name and or brief description of the goods), and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee and warranty in accordance with Clause of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: (signature(s) of authorized representative(s) of the Manufacturer)

Named: (complete name(s) of authorized representative(s) of the Manufacturer)

Title:

Duly authorized to sign this Authorization on behalf of: (complete name of Bidder)

Dated on _____ day of _____, _____ (insert date of signing)

Annexure-VI
BID SECURITY FORM

Whereas _____
(Hereinafter called the tenderer)

Has submitted their offer dated _____

For the supply of _____
(Hereinafter called the tender)

Against the purchaser's tender enquiry no. _____

KNOW ALL MEN by these presents that WE _____ of
_____ having our registered office at
_____ are bound unto _____ (hereinafter called the
"Purchaser")

In the sum of _____

For which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____, 20_____.

The Conditions of this Obligation are:

- (1) If the tenderer withdraws or amends, impairs or derogates from the Tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:
- (3) If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
- (4) Fails or refuses to accept/execute the contract.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)
Name and designation of the officer

Seal, name & address of the Bank and address of the Branch

Annexure-VII
BIDDER'S PAST SERVICES (SIMILAR) PROFORMA

Performance Statement Form

(For a period of last 3 years)

Name of the Firm.....

Order Placed by (full address of Purchaser)	Order No. and Date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been installed satisfactory? (attach a certificate from the Purchaser/Consignee	Contact person along with Telephone No., FAX No. and email-address

Signature and Seal of the manufacturer/ Bidder.....

Place:

Date:

Annexure-VIII

Deviation Statement Form

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

Clause	Deviation	Remarks (Including Justification)

Place:

Date:

Signature and Seal of the
Manufacturer/Bidder

NOTE:

- 1) Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviation".

Annexure-IX

Service Support Detail Form

SI No.	Nature of training imparted	List of similar type equipments serviced in the past 3 years	Address, Telephone Nos., FAX Nos. and email address

Signature and Seal of the Manufacture/Bidder

Place:

Date:

Annexure-X
Bid Form

(The Bidder shall fill in this form in accordance with the instructions indicated no. alternations to its format shall be permitted and no substitutions shall be accepted)

Date: (date of Bid Submission)
Tender no.: (NIT No.)
To: (complete name of Purchaser)

We, the undersigned, declare that:

- (a) We have examined and have no reservation to the Bidding Documents, including Addenda No.: (insert the no. and issuing date of each Addenda).
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedule specified in the schedule of requirements the following Goods and related Services (a brief description of the Goods and Related Services).
- (c) The total price of our bid, excluding any discounts offered in item (d) below is: (the total bid price in words and figures, indicating the various amounts and the respective currencies).
- (d) The discounts offered and the methodology for their application are:
Discounts. If our bid is accepted, the following discounts shall apply. (specify in details each discount offered and the specific item of the Schedule of Requirements to which it applies).
- (e) Our bid shall be valid for the period of **120 days** and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause no.... and GCC Clause ... for the due performance of the Contract.
- (g) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: (insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity).

Name of Recipient	Address	Reason	Amount

(if none has been paid or is to be paid, indicate "none")

- (h) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: (insert signature of person whose name and capacity are shown)
In the capacity of (insert legal capacity of person signing the bid submission form)

Name: (insert complete name of person signing the bid submission form)

Duly authorized to sign the bid for and on behalf of: (insert complete name of bidder)

Dated on _____ day of _____, _____ (insert date of signing)

Annexure-XI

CHECKLIST(BOQ)

SL. No.	NAME OF THE ITEM	QUANTITY	PAGE No.
1	HIGH PRECISION ELECTRONIC BALANCE	1	29
2	HEATING MANTLE	4	30
3	SS WATER BATH	2	31
4	GLASS DISTILLATION UNIT (50Lit)	1	32
5	DIAPHRAGM PUMP	1	33
6	REFRIGERATOR	1	34
7	HOT AIR OVEN WITH BUILT IN BLOWER FAN AND DIGITAL CONTROL	1	35
8	HOT AIR OVEN	1	36
9	SOXHLET UNIT	2	37
10	UV LAMP	2	38
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Annexure-XII

TECHNICAL SPECIFICATIONS

1. SPECIFICATION FOR HIGH PRECISION ELECTRONIC BALANCE

Specifications:

1. Readability : 0.001mg
2. Max. capacity : Around 6g
3. Tarring facility : Entire range
4. Reproducibility : $\pm 0.001\text{mg}$
5. Linearity : $\pm 0.004\text{mg}$
6. Stabilization time : Around 7 seconds or better
7. Weighing pan diameter : Around 30 mm
8. Should operate on 220 ± 10 Volts 50 Hz AC power supply

Special features:

1. Chemically Resistant, durable, user friendly housing and base construction,
2. Smart Grid Stainless Steel weighing pan for fast & stable results
3. Smart screen color display with good resolution for clear visibility, easy reading and user friendly operation
4. Sensor for hands free operation
5. Stability indicator and level control warning when the balance is not level
6. Fully Automatic internal Calibration, Adjustment & Linearization
7. Warning indicator on exceeding weight limits
8. Overload protection
9. Balance check prompts automatically for validation with external weights
10. Different applications with user guidance including percent weighing, density determination, statistical evaluation, formula weighing etc.
11. Built in Interface and two auxiliary outlets
12. Height adjustable inner draft shield
13. Weighing adapter for optimum adaptation to the environment
14. Data interface/Interface port for connecting to PC, Printer or analytical instruments

Essential Accessories:

1. AC Adapter
2. Should be provided with glass draft shield, calibration weights, manual and dust cover.
3. Container holder or attachment should be available for weighing test tube, round bottom flask & volumetric flask
4. (a) Compatible Voltage Stabilizer (b) Compatible Printer

Note: The equipment should be provided with all necessary accessories and spare

Kindly quote break up cost for each item

Spares and accessories should be quoted separately

A warranty of minimum of 3 years should be provided for the above specifications.

2. SPECIFICATION FOR HEATING MANTLE (4 Nos.)

Heating Mantle of different capacities: (i) 500ml, (ii) 1L & (iii) 2L (to be quoted for 1 unit of each capacity separately)

Heating Mantle with following general feature & specification:

1. Chemically resistant, durable, user friendly, safe to use heating mantle
2. Construction/body: Chemically resistant Interior and MS/Aluminum Exterior; Suitable inner structure to hold flasks and uniform heat distribution, durable heating net knitted with glass yarn or other superior quality material, properly insulated long lasting heating element; stable base (bottom) design for proper handling; Electrical safety construction
3. Operating Temperature: Around 350°C.
4. Built in Electronic Controller
5. Effective control of heating with smooth regulator
6. Indicator for on/off indication.
7. In-built safety option/auto cut for over temperature protection
8. Electrical: Watts: 200-450W(required as per capacity), Voltage: should operate 220-230V
9. Electrical Protection

Essential Accessories:

1. Stand and clamps (stainless steel) to hold flasks
2. Base stands for keeping RB flasks

Note: The equipment should be provided with all necessary accessories and spare

Kindly quote break up cost for each item

Spares and accessories should be quoted separately

A warranty of minimum of 3 years should be provided for the above specifications.

3. **SPECIFICATION FOR SS WATER BATH (2 UNITS)**

SS Water Bath of different capacities

(i) 10-15 L bath capacity &

(ii) 20-24 L bath capacity

having following general feature and specifications:

SS Water Bath with good temperature stability & uniform heating, made of superior quality Stainless Steel, Chemically resistant, durable, user friendly, easy to clean, safe to use:

1. Construction: SS interior (Stainless Steel Tank) and SS exterior with PTFE coating or other better coating material, Stainless steel covers/lid, PTFE coated cover having provision of stay-open position or can be removed completely; polymer coated handle
2. With provision to use the bath as steaming bath having capacity to accommodate glassware of different capacities with arrangements like concentric ring cover (Stainless Steel)/racks or better arrangements
3. Temperature range: 5°C above ambient to 90°C or above
4. Temperature accuracy: $\pm 0.1^{\circ}\text{C}$
5. Temperature uniformity: $\pm 0.2^{\circ}\text{C}$
6. Controller: Microprocessor based PID controller
7. Display: LED display, Large digital display for convenient reading
8. In-built safety option for over current and over temperature; automatic cut-off for over temperature protection
9. Heating element should be sheathed with high quality alloy to prevent corrosion thereby ensuring long life
10. Heating element/coil shouldn't be exposed in the working area of the bath
11. Smooth inner surface for easy cleaning
12. Power Supply: 220-230 V, 50/60 Hz
13. Heater: 1.0 KW and above at 220-230 V/ 50-60 Hz
14. In-built voltage stabilizer

***Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item
Spares and accessories should be quoted separately***

A warranty of minimum of 3 years should be provided for the above specifications.

4. SPECIFICATION FOR GLASS DISTILLATION UNIT (50Lit)

Single Stage Glass Distillation Unit with built in heater

Specifications:-

1. User friendly Glass distillation system, easy handling and cleaning, easy replacement of tubes for repair and cleaning.
2. Boiler, Condenser should be made of borosilicate glass; Heater made of Quartz
3. Housing/stand should be made of superior quality corrosion/rust free material
4. Distilled water output: 1.5 -2 Lt/hr
5. Cooling water consumption: 50-60 Lt/hr
6. Distillate Temperature: 60 -70 deg. C.
7. Distilled water pH range: 6 -7
8. Distilled water Conductivity : $< 3 \times 10^{-6}$
9. Should produce Pyrogen free distill water
10. Electrical Requirements: 1.5-2 KW , 230Volts

Essential Accessories& Spares:

- (i) Voltage stabilizer/ starter
- (ii) Rubber/silicon Tubing
- (iii) Heating Coil

Note: The equipment should be provided with all necessary accessories and spare

Kindly quote break up cost for each item

Spares and accessories should be quoted separately

A warranty of minimum of 3 years should be provided for the above specifications.

5. SPECIFICATION FOR DIAPHRAGM PUMP

Diaphragm Pump with following feature and specification:

1. Efficient, Chemically resistant Two Stage diaphragm pump (combination pump) for laboratory use.
2. Ultimate vacuum: 5- 10 mbar
3. Pressure/vacuum indicator should be there
4. Flow rate: around 30 lit/min
5. Pumping speed (m³/h): 1.5 m³ / h or more
6. 100% contamination free (oil free) transfer
7. Gas blast valve should be manually operated
8. Vibration free
9. Noise free
10. Thermistor controlled start up capacitor for start
11. Imbedded thermostat system to be provided to cut out pump if motor overheats
12. Operating voltage: 230 V; 50Hz/60Hz
13. High class safety and protection

Essential Accessories & Spares:

1. Moisture Trap/ Solvent Trap
2. Rubber/silicon Tubing,
3. Sealing/Gasket

Note: The equipment should be provided with all necessary accessories and spare

Kindly quote break up cost for each item

Spares and accessories should be quoted separately

A warranty of minimum of 3 years should be provided for the above specifications.

6. SPECIFICATION FOR REFRIGERATOR

User friendly, environment friendly efficient Refrigerator with following specification:

1. Gross Capacity: 400 Lit
2. Net Capacity: 400 Lit
3. Refrigerator Capacity: 250 Lit approx
4. Freezer Capacity: 140 Lit approx
5. Defrosting System: Frost Free with bottom mounted freezer
6. Temperature Control: Digital
7. CFC Free: yes
8. Air Flow Type: Multi Air Flow System
9. Deodorizing: yes
10. Number of Doors: 2
11. Material Used for Shelves: Toughened Glass
12. Adjustable Shelves
13. Moisture or Humidity Control: yes
14. Refrigerator Interior lamp: yes
19. Freezer Lamp: yes
20. Chiller Tray: yes
21. In built stabilizer/stabilizer free operation: yes
22. Power requirement: 220V; 50Hz/60Hz

***Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item
Spares and accessories should be quoted separately
A warranty of minimum of 3 years should be provided for the above specifications.***

7. SPECIFICATION FOR HOT AIR OVEN WITH BUILT IN BLOWER FAN AND DIGITAL CONTROL

Hot Air Oven with built in Blower Fan and Digital Control with following specification & construction:

Specification:

1. Chamber volume: 170-200 L
2. Temp range : Ambient +10° to 300°C and above
3. Temp accuracy :±0.1°C
4. Uniformity : ±1.0 °C at 100 °C

Construction:

1. Superior quality Stainless Steel Interior and coated Stainless Steel Exterior
2. Built in Blower Fan, with adjustable fan speed; fan should be of low noise
3. Controller: Microprocessor based PID temperature controller with timer, alarms and auto tuning; Programmable temperature controller (ramps/dwells)
4. Display: LED display, Large digital display for convenient reading
5. Heater/heating element should be sheathed with high quality alloy to prevent corrosion thereby ensuring long life
6. Non contact type door switch.
7. Over temperature safety protection with alarm and auto cut for over temperature.
8. Electric Supply 220-230V, 50/60 Hz
9. Aero dynamic internal design.
10. Stainless steel shelves/trays. Shelf/tray height should be adjustable.
11. Mineral wool insulation for keeping outer side cool.
12. Silicon gasket in door/ sealing or better technology to prevent heat loss
13. Solid and plain bottom without electrical/smooth inner surface for easy cleaning

Essential Accessories & Spares:

1. Compatible voltage stabilizer
2. Extra shelves
3. Heating Element

Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item

Spares and accessories should be quoted separately

A warranty of minimum of 3 years should be provided for the above specifications.

8. SPECIFICATION FOR HOT AIR OVEN

Hot Air Oven with following specification & construction:

Standard Features:

- Chamber volume: 170-200 L
- Temp range : Ambient +10° to 300°C and above
- Temp accuracy : ±0.1°C
- Uniformity : ±1.0 °C at 100 °C

Construction:

1. Superior quality Stainless Steel Interior and coated Stainless Steel Exterior
2. Controller: Microprocessor based PID temperature controller with timer, alarms and auto tuning; Programmable temperature controller (ramps/dwells)
3. Display: LED display, Large digital display for convenient reading
4. Heater/heating element should be sheathed with high quality alloy to prevent corrosion thereby ensuring long life
5. Non contact type door switch.
6. Over temperature safety protection with alarm and auto cut for over temperature.
7. Electric Supply 220-230V, 50/60 Hz
8. Aero dynamic internal design.
9. Stainless steel shelves/trays. Shelf/tray height should be adjustable.
10. Mineral wool insulation for keeping outer side cool.
11. Silicon gasket in door/ sealing or better technology to prevent heat loss
12. Solid and plain bottom without electricals/smooth inner surface for easy cleaning

Essential Accessories:

1. Compatible voltage stabilizer
2. Extra shelves
3. Heating Element

Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item
Spares and accessories should be quoted separately
A warranty of minimum of 3 years should be provided for the above specifications.

9. SPECIFICATION FOR SOXHLET UNIT

SOXHLET UNIT (2 units with different capacities) as per following specification:

(a). Soxhlet Extraction apparatus-

Complete Soxhlet extraction Apparatus with allihn condensers, interchangeable joint, made of low expansion Borosilicate Glass

Quantity: Two nos of soxhlet apparatus with different capacities as follows:

- i) Size: Capacity 200 ml., Flask Size - 500 ml.
- ii) Size: Capacity 500ml, Flask Size – 2.5 ml

(b). Soxhlet Extraction Heating unit –

Complete heating unit with hot plates/mantle with Off/On switches and energy regulator

Quantity: Two units (for 500 ml & 2.5L flask capacity)

(c) . Accessories

1. Iron Stand with Clamp, Size – of appropriate size, for holding Soxhlet apparatus (Two nos)
2. Rubber/silicon tubing of appropriate size/diameter for water inlet/outlet connections in Soxhlet apparatus – 25 feet length.

Note: The equipment should be provided with all necessary accessories and spare

Kindly quote break up cost for each item

Spares and accessories should be quoted separately

A warranty of minimum of 3 years should be provided for the above specifications.

10. SPECIFICATION FOR UV LAMP

TWO UV LAMP UNITS OF DIFFERENT TYPES

(a) UV lamp for TLC and related Application (1 unit)

Features & Specification:

1. Reliable High intensity UV Lamp, Safe and easy to operate; easy to handle
2. Having provision of two UV light tubes for using lamps of two different wavelength (short wave UV, 254nm and long wave UV 365 nm) in combination or in a single wavelength mode ; 2 UV light tubes having power of 8 Watt each.
3. Shock resistant, durable housing/chamber/viewing cabinet with proper UV protection for viewer
4. Suitable for viewing 20 x 20 cm objects; can also be use to direct light against a larger object.
5. Power requirement: 220-230 V
6. Safety switch and timer for automatic switch-off to reduce the risk of unwanted harmful UV radiation exposure

Essential Accessories: 1) Adapter

Optional Accessories: UV lamps of 4 Watt & 6 Watt tubes (for 254 nm & 365 nm)

Spare Parts: (i) Light tube short-wave UV, 254 nm, (of 4W, 6 W & 8W)

(ii) Light tube long-wave UV, 365 nm, (of 4W, 6 W & 8W)

(b) UV lamp for observation/irradiation/detection of biological samples/assays/ proteins/DNA RNA gels/ microorganisms etc (1 Unit)

Features & Specification:

1. Reliable High intensity UV Lamp, Safe and easy to operate; easy to handle
2. Handheld/Portable, lightweight UV light
3. Having provision of two UV light tubes for using lamps of two different wavelength (short wave UV, 254nm and long wave UV 365 nm) in combination or in a single wavelength mode; 2 UV light tubes having power of 8 Watt each.
4. Suitable for observation/irradiation/detection of biological samples(microorganisms/ proteins/DNA-RNA gels etc) in different glassware/sample holders like beaker, flasks, patry dish etc and related applications
5. Proper UV protection for viewer
6. Power requirement: 220-230 V
7. Safety switch and timer for automatic switch-off to reduce the risk of unwanted harmful UV radiation exposure

Essential Accessories: 1) Adapter

Optional Accessories: UV lamps of 4 Watt & 6 Watt tubes (for 254 nm & 365 nm)

Spare Parts: (i) Light tube short-wave UV, 254 nm, (of 4W, 6 W & 8W)

(ii) Light tube long-wave UV, 365 nm, (of 4W, 6 W & 8W)

Note: *The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item*

Spares and accessories should be quoted separately

A warranty of minimum of 3 years should be provided for the above specifications.

11. SPECIFICATION FOR AUTOPROGRAMMABLE CRYOCAN

Cryocan is required for long term storage of biological samples in canisters.

General Specifications:

1. Portable tank Capacity: Around 8-10 liter
2. Storage tank capacity: Around 23-47 liter
3. Transfer tank: Around 30-50 liter
4. Static evaporation time 0.1 - 0.4 liters/day for all the tanks
5. Neck diameter: 48 -58mm for Portable & Transport tank, 90-120mm for Storage tank
6. High vacuum with super insulation capacity for all the tanks
7. Storage tanks should have the provision for storage in Canisters (9-11 nos.)
8. Portable or the transfer tanks should also have the provision for storage
9. Cryocans should equipped with liquid nitrogen level monitor, temperature monitoring device and low liquid nitrogen level alarm system

Optional Accessories:

1. Refilling device, SS Funnel, Tilting trolley, Transfer device, other liquid nitrogen withdrawal device etc.
2. Canisters (single or Double level), container protector, cryowares (gloves, musk etc), cryovial /SS racks for storage etc should be quoted separately.

***Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item
Spares and accessories should be quoted separately***

A warranty preferably of 3 years should be provided for the above specifications.

12. SPECIFICATION FOR AUTOCLAVE (VERTICAL)

Fully automatic high pressure vertical autoclave is required for sterilization of laboratory media, glass ware, waste etc.

Special features:-

1. Compact Space saving top loading autoclave with a chamber volume of around 120-135 liters.
2. Operating temperature 121 °C or more
3. Accuracy: $\pm 0.5^{\circ}\text{C}$ or better
4. Jacket of best quality corrosive resistant SS steel
5. Separate sterilization Chamber and steam generator
6. Steam generator with powerful heating elements, no external water source, no exhaust steam
7. Programmable Self locking safety door, Tight sealing door gasket made up of Silicon or better quality.
8. System should have pre vacuum/ vacuum drying option
9. Micro processor based fully automatic systems with standard sterilization programs on LCD display.
10. Provision for low water protection system
11. Programmable automatic door opening on completion of a program
12. Temperature holding function for liquids after program finish
13. Alarm for sterilization cycle complete/ fault, low water etc and provision for emergency stop.
14. Provision for emission free sterilization during the sterilization of waste.

Optional Accessories:

1. Mobile racks/transfer trolleys plate trays, wire trays, wire baskets etc
2. Important spare parts and accessories with their part number and costing
3. Power supply (if required) as per the requirement of the system
4. A stand (if required) resistant to corrosion.
5. Should submit a report of quality checks using biological indicator at the time of installation

***Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item
Spares and accessories should be quoted separately***

A warranty preferably of 3 years should be provided for the above specifications.

13. SPECIFICATION FOR DRY HEAT STERILIZER

Dry heat sterilizer is for treatment of empty bottles, flasks, lab. Equipment and also for sterilization of liquids with low moisture content or powder particles.

General Specifications:

1. Ambient temp: +5°C / 300°C
2. Tem. Set and display sensitivity: <1 °C
3. Tem. Variation: ± 1 °C
4. External/Internal Material: SS Steel 316 or better
5. No. of Shelves : Minimum 2 (tilt proof chromium plated or better quality)
6. Useful volume approx: 300-350 lit
7. Function: Sterilization, drying and heating purpose
8. Silicon or better door gasket to ensure zero leakage during the operation
9. Sterilizer Inner and outer wall made from SS 316 quality sheet or better quality
10. Motor and blowers to circulate air for uniform atmosphere, provision for forced air convection at 180 °C Wh/h
11. Microprocessor control system and digital displays, control panel option
12. 24 hour timer for preheating or timed shutdown, with temperature sensor
13. Alarm for sterilizing and fault state, buzzer alarms when a cycle of sterilization is completed
14. Provision for door safety locking system
15. Digital sample temperature display

Optional Accessories:

1. All important spare parts, shelves, accessories etc with their part number and costing

Note: The equipment should be provided with all necessary accessories and spare

Kindly quote break up cost for each item

Spares and accessories should be quoted separately

A warranty preferably of 3 years should be provided for the above specifications.

14. SPECIFICATION FOR CULTURE ROOM STERILIZER (MOBILE UV AIR STERILIZER)

General Specifications:

1. UV air Sterilizer is required to sterilize approx 1500cubic feet laboratory
2. The sterilizer should be supplied with a trolley
3. 24-hour timer for desired UV exposure time and fresh air ionizer with the capacity of continuous Air Cleansing
4. Replacement lamps
5. ISO certified
6. Voltage 220volt
7. Fumeless, odorless, chemical use resistance and ecofriendly
8. Power: 230 V AC 50 Hz.
9. Fan Output: 95 C.F.M. or better
10. Filter: 15 Microns or better or equivalent technology

Optional Accessories:

1. Replacement UV lamps and any other important accessories should quote separately

***Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item
Spares and accessories should be quoted separately***

A warranty preferably of 3 years should be provided for the above specifications.

15. SPECIFICATION FOR MICROWAVE OVEN

Laboratory Microwave Oven suitable for applications like Microwave tissue processing, Microwave-assisted fixation, Dehydration, Staining, Infiltration, Decalcification, Antigen Retrieval, Immunohistochemistry etc and other related applications

Specification/ features:

1. Capacity: 30-35 L
2. Stainless steel interior & exterior
3. Easy to clean oven chamber with thermal insulating non microwave absorbing and chemical resistant, stain-resistant floor (e.g. ceramic); Illuminated interiors
4. Built in inside chamber reflector for even distribution of the microwaves
5. High Performance Ventilation system with provision to connect to fume hood etc
6. Multiple safety interlocks with shutdown and visual & aural alarms on errors and malfunctions
7. Flexible operation with easy-to-use menu-driven controls; User friendly controls & touch key pad, icon-based functions;
8. Fully programmable (store up to around 40 setups); Multiple running modes; Temperature and power control, pulsing the microwave effects; save and store all parameters and settings for future use
9. Preset & variable time entry
10. Different modes of operation (Dual Mode, Extended Timer, Count up and countdown Timing)
11. Pre-warming facilities.
12. Output: Around 900 Watt maximum output power
13. Dial in feature for desired power from 20% - 100%
14. Input power: 220-230 volt
15. Temperature uniformity & control: around $\pm 0.5^{\circ}\text{C}$
16. Adjustable air bubble agitation system
17. Suitable for tall containers and vessels; capacity for around 74-cassette

Essential Accessories:

- (i) Ventilation Hose
- (ii) Processor Tray
- (iii) Microwave Transparent Containers
- (iv) Cassette Basket set
- (v) Bowls for Histoprocessing and related processes
- (vi) Polar Heat Sample Pack

Optional Accessories:

- (i) Vacuum option
- (ii) Bowl for Vacuum Processor
- (iii) Cover of Vacuum Processor

***Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item
Spares and accessories should be quoted separately***

A warranty of minimum of 3 years should be provided for the above specifications.

16. SPECIFICATION FOR AUTOCLAVE (HORIZONTAL)

Fully automatic high pressure horizontal autoclave is required for sterilization of Liquids (Media), Discard, Glassware, and Laboratory Instruments etc.

Construction:

1. High pressure autoclave to sterilize at 121 °C or more
2. Accuracy: $\pm 0.5^{\circ}\text{C}$
3. Size: Rectangular, around 220-250L chamber volume with provision of shelves
4. Built-in water tank. Separate Steam generator and sterilization chamber, automatic water circulation system, no external water source, no exhaust steam outside
5. Jacket of best quality corrosive resistant SS steel
6. Equipped steam trap, Ultra-flat steam generators to minimize the size of the system
7. Maximum interior volume with no heating elements in the chamber
8. Micro processor based automatic system with at least 4 standard programs for safe sterilization of liquids, culture media, equipment and waste
9. System should have Vacuum breakers, Safety valves etc.
10. Low water protection system (Automatic)
12. Provision for vacuum drying, fast heating and cool-down for rapid throughput
13. Self locking safety door, tight sealing door gasket (Silicon or better)
14. Alarm for sterilization cycle complete/fault etc and provision for emergency stop
15. Provision for emission free sterilization during the sterilization of laboratory waste

Optional Accessories:

1. Mobile racks/transfer trolleys plate trays, wire trays, wire baskets etc may be quoted
2. Important spare parts and accessories with their part number and costing
3. Power supply as per the requirement of the system
4. Should submit a report of quality checks using biological indicator at the time of installation

***Note: The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item
Spares and accessories should be quoted separately***

A warranty preferably of 3 years should be provided for the above specifications.

17. SPECIFICATION FOR VACUUM OVEN

Chamber: Rectangular

Chamber volume: 60-70L

Temperature Range: Amb. +10 to 250 °C

- Microprocessor PID Control / Auto-tuning/Calibration
- Digital Timer, Delayed ON/OFF
- Over Temperature protection / Door Open Alarm
- Different temperature values memorable
- RS-232 interface.
- Noiseless fan with adjustable Fan speed
- Temp. Variation : $\pm 1^{\circ}\text{C}$
- Temperature display: 3 digit LED

Vacuum Pump

- Type: Oil free (dry) vacuum pump suitable for obtaining high vacuum of the system
- Vacuum range: 0 ~ 0.1MPa or better
- Vacuum display: dial gauge
- Pump should be noise free.

Vacuum Chamber

- The Door, vacuum chamber, Shelves (removable type, 3 no) of the oven shall be made of SS 316/304 plates.
- The interior of the chamber shall be well polished and all the weld beads shall be ground finished.
- Silicon rubber gaskets shall be provided for sealing the door and the chamber face and through the window.
- Sturdy latching to ensure that vacuum is maintained even if the pump is switched off for short time.
- Observation window should be provided on the door to view the chamber.
- Vacuum gauge should be provided in front of the chamber.
- Gas inlet valve shall be provided to allow evacuation and venting.

Cold trap

- The cold trap shall be cooled by a built-in refrigerated system (CFC-free)
- It shall have a facility for draining the condensed water and easy cleaning
- Temperature. Range down to -40°C

Optional

- Door gasket
- Safety Covers
- Moisture trap, solvent trap, etc.

Note: *The equipment should be provided with all necessary accessories and spare Kindly quote break up cost for each item*

Spares and accessories should be quoted separately

A warranty of 3 years should be provided for the above specifications

18. SPECIFICATION FOR VACUUM DRYER (15-18 TRAYS)

Construction and finish as per cGMP standard .Size should be sufficient to accommodate 18 Trays.

- Main Body/Vacuum chamber/ Door SS316 with heavy duty SS316 flange and Stiffeners.
- Shelves(hollow type) in SS 316 with flow baffles, Trays(without back folding) in SS 316
- Digital temperature controller with pneumatic operated valve at hot water/steam inlet
- Digital Temperature Indicator (FLP) at H.W. Inlet and Outlet
- Dial type Vacuum gauge and Digital Temp., Indicator (FLP) in Vapor line
- Product Temperature sensor in body
- Glass view provided on door , body and receiver
- Validation port
- Provision for Nitrogen purging
- Vacuum break valve provided in vacuum line
- Silicon transparent gasket for door.
- Pressure release valve in Steam line.
- Drain valve for Vacuum chamber and Receiver

TECHNICAL SPECIFICATION

- **Design Temperature Range:** 0°C to 150°C
- **Base:** Sturdy Base for mounting the dryer
- **Heat Exchanger/ Condenser:** A suitable Shell and Tube SS 304/SS 316 Condenser to condense the vapors with Inlet and Outlet for water and Condensate, Isolation valve & Flow glass
- **Receiver:** SS 304/SS 316 with a valve for drainage of condensate and a level glass to show the level of condensate in the receiver
- **Hot water circulation system:** SS304/316 Tank(Insulated), Steam Radiator/Electrical heaters, Oil Free/low noise Circulation pump with FLP Motor and controls, Interconnection piping and Valve
- **Vacuum Pump:** Oil Free/low noise vacuum pump with suitable HP for complete vacuum of dryer
- **Vacuum Trays:** SS316 Quality 18 numbers
- **Solvent recovery tank:** 150 L (Suitable for the system)

OPTIONALS:

- 300 mm wide SS 304 skirting all along the flange
- 50 mm thick glass wool insulation on the vacuum chamber outer surface except door. The insulation is covered with SS 304 cladding.
- Heating Shelf's unit movable system fitted on SS316 Trolley and SS304 external Trolley.
- Limpet coil on Vacuum chamber.
- Skirting/Wall panel all along the body/vacuum chamber flange
- Rupture Disk & Solenoid Valve

TESTING:

The vacuum dryer shelves are hydro-tested in assembled condition. The vacuum chamber is tested for leaks under vacuum.

***Note: The equipment should be provided with all necessary accessories and spares.
Kindly quote break up cost for each item Spares and accessories should be quoted separately***

A warranty preferably of 3 years should be provided for the above specifications

19. SPECIFICATION FOR FLUORESCENT MICROSCOPE

FULLY AUTOMATED COMPUTER CONTROLLED INVERTED FLUORESCENCE MICROSCOPE FOR TRANSMITTED LIGHT BRIGHTFIELD, DARKFIELD, POLARIZATION CONTRAST & DIFFERENTIAL INTERFERENCE CONTRAST (DIC) & REFLECTED LIGHT FLUORESCENCE

Microscope:

- a) Fully Motorized multiport (3 ports or better) Inverted Fluorescence Research Microscope for Bright Field/DIC/Fluorescence with dedicated TFT/LCD display for full control of Microscope.
- b) Mechanical XY Scanning stage with universal sample holders for slides, Petri dish and other live cell sample holders like 6 well plate, 96 well plate.
- c) Motorized 6 position DIC nosepiece, motorized 6 position BF/DIC Condenser with slots for Ph, DIC should be available as standard.
- d) Motorized high precision built in Z-focus drive with step resolution of 15nm or better.
- e) Transmitted and Reflected Light illumination with 100W halogen and 120W metal halide with PC control and long lifetime of 2000 hours.
- f) **Objectives:** High resolution Universal grade objectives corrected for both UV & VIS lines for Bright Field, Fluorescence and DIC applications.
 - 10X (NA 0.3 or better) long working distance with Ph.
 - 20X (NA 0.75 or better) - Plan Apochromat
 - 40X (NA 0.75 or better) - Plan Fluor Long working distance.
 - 60X or 63X Oil Immersion (NA 1.4 or better) - Plan Apochromat.
- g) Quote for automated shift free DIC attachment including analyser, polarizer, DIC modules and sliders for 20X, 40 & 63X Objective.
- h) **Eyepieces:** Anti fungus type 10 X/B with diopter adjustment in both eyes with FOV 20 mm or better and eye cups along with eyepiece dust cover.
- i) **Fluorescence Light attachment:** 120W or better metal Halide Illumination with lifetime of 2000 hours or better, fully motorized Computer Controlled Fluorescence attachment alignment free, Power Supply, Intensity control, ND Filters, Motorized beam path Shutter.
- j) 6 Position or better Motorized Filter slider/ turret to hold at least six filters with automatic switching of filters and automatic recognition facility during imaging for ease of work flow. Filter set of DAPI, eGFP, CY3 (**Only Band Pass Filters**) must be quoted.
- k) **Scientific Grade Cameras :** High resolution cool CCD Scientific digital camera system - cooled colour (should be capable to work in Mono mode also) camera with CCD sensor (2/3"), active cooling delta 20°C for reduced noise levels, max. image size 2560x1920 pixel, 5 Mpixels, 12fps or better frame rate at full resolution ,Pixel size 3.4 µm x 3.4 µm, Single Firewire-B connector for data and power, Complete camera kit. Supported Operating systems

WinXP/Win7; with suitable C-mount adapter controlled by software for multichannel, z stack, time lapse wide field imaging should be offered.

- l) **Software:** The software must have automatic and interactive control of microscope along with Image acquisition, Multichannel Imaging, ZStack, time Lapse Imaging. ROI selection, Movie Acquisition, Basic adjustment of Color, Gamma, Brightness, Contrast etc., Statistical Analysis and evaluation of data, user defined report generation, Image comparison.
- m) **Suitable PC and Monitor:** Suitable Latest Branded Computer System 1TB HDD, 8GB RAM, 1GB Graphics Memory, Super Multi Drive, 100/1000 Ethernet Card, Licensed Windows 7 professional OS, 23 inch LED high resolution Monitor, Optical Mouse Multimedia Key Board etc.

The quotation should have the following items as optional.

- a) Structured Illumination attachments along with full operational software.
- b) Spare lamps. (Halogen and Metal halide Lamp).
- c) Anti-Vibration Platform for above microscope.

Note:

- Onsite training for minimum 5 days should be provided by the vendor
- All technical claims of the Bidder should be supported by product catalogue, public website of the manufacturer
- The supplier must arrange demonstration samples.
- The supplier must take up uninstall/reinstall of the equipment to a new lab space within 6 years of first installation free of cost.

**The equipment should be provided with all necessary accessories and spare
Kindly quote break up cost for each item. Spares and accessories should be quoted separately
Equipment should come with three years comprehensive warranty followed by two years AMC
for the complete system.**

20. SPECIFICATION FOR CONFOCAL MICROSCOPE (HIGH RESOLUTION)

Specifications for Laser Scanning Confocal Microscope System

The system should be of latest state of the art technology capable of high sensitive spectral confocal imaging of fixed & Live Cell samples. The system should include multichannel Fluorescence imaging with Z-stack, time-lapse including co localization, FRET and FRAP analysis. The system should be on-site upgradable to FCS/FCCS attachment.

A. Fully Motorized Inverted Fluorescence Research Microscope

1. Motorised Inverted microscope for Bright field, DIC and fluorescence observations
2. High resolution Plan Apochromat Confocal Grade objectives 10x/0.4, 20X/0.70, 40x/0.85, 40x/1.30 OIL, 60/63x/1.40 (oil) with DIC prisms for all objectives. resolution Plan Apochromat Confocal Grade objective 40x/1.30 (oil) should be offered under optional accessories Additional dedicated live cell imaging objective 20/25X(0.70 or better) (Multi immersion i.e oil, water, glycerol) should be offered.
3. Motorized Z-focus drive with minimum z-step resolution of 15 nm or better with dedicated TFT/LCD screen for the control of motorized functions of microscope.
4. 6 position motorized FL filter wheel & 6 position motorized nosepiece.
5. 12V 100W Halogen lamp illumination for transmitted light.
6. Fluorescence illumination by alignment-free Hg/metal halide lamp with lamp life of minimum 2000Hrs.3 nos. spare lamps should be offered along with the system.
7. Fluorescence filters for UV, Blue, Green (for DAPI, GFP and CY3 & Cy5 for sample visualization and Imaging) excitation with motorized filter wheel.
8. Fully motorized X-Y scanning stage with all types of sample holder (slides, different sizes of petri dishes, microplates for Live Cell Imaging etc.).Travel range 127 x 83 mm // - Travel speed 10 mm /s // Software for Tile Scan (mosaicking) // Software for Mark & Find (multi-positioning).
9. Monochrome cooled CCD camera, with 1.4 million pixel chip resolution and 12 megapixel digital resolution with cooling of -20 degree below ambient ,controlled by the same confocal software for multichannel, z stack, time lapse wide field imaging.

B. Scan head with built-in detectors

1. High sensitivity laser confocal scanning and detection unit with built in spectral detectors for high efficient fluorescence signal collection.
2. Point scanning laser Confocal detection unit with built-in high sensitive at least 3 independent spectral detectors with independent voltage and offset control. Out of three independent spectral detectors one should be high sensitivity detector with Quantum efficiency more than 40% including high transmission optics. Confocal detection should include simultaneous detection and separation of 4 fluorophores based on above high sensitive detectors.

3. The spectral dispersion of the emission light should be based on either reflection grating with enhanced/improved spectral signal collection device or with prism based spectral dispersion with high efficiency.
4. The system should be capable of recording emission spectra with minimum spectral resolution of 5nm or better.
5. Computer controlled continuously variable confocal pinhole with software control.
6. The main Dichroic should allow any combination of available laser lines at highest efficiency and speed.
7. It should be possible to couple all the lasers from UV to IR (1000nm) to the same scan head at the same time.
8. An additional transmitted light detector should be offered for bright field and DIC imaging.
9. Scanner speed: 7fps @ 512 x 512 or better. Digitization capability of 8/12/16 bit should be available with the system.
10. Maximum scan resolution should be at least 5Kx5K for all channels or better.
11. The scan field diagonal should be at least 20 mm F.O.V. or better.
12. Scan Zoom range up to 40x or more and should be adjustable in steps of 0.1

C. Laser Module with controller

All solid state / Gas laser for 405/408, Multi-line Ar (35 mW or higher): 458,476, 488, 514 nm. HeNe 638/633 and DPSS 561nm. Upgradable for white light laser for tunable laser excitation. **Blue Diode Laser 405nm** - suitable for imaging, photo-activation & bleaching. The Laser line/s chosen should be reflected on the sample in any combination as per experimental demand. All the lasers should be optically coupled and connected to the scan head through fiber optic cable. All the offered laser lines should be controlled through the AOTF for fast laser attenuation and switching in synchronization with scanner.

D. Control Computer

Latest 64 bit control computer with Intel Xeon 6 Core Processor, DDR RAM 8 GB HDD: 3 TB SATA, DVD, SuperMulti SATA +R/RW, 1GB high performance GPU Graphics : AT Fire GL V5200 256MB DH DVI, Gigabit Ethernet, Win 7 Ultimate 64 bit OS , USB 2.0, Fire wire. Large 30" LED monitor.

E. System control and imaging software

Software should be capable of controlling all Motorized functions of microscope, digital camera, scan head control, laser control including AOTF and Image acquisition & processing.

1. Saving of all system parameters with the image for repeatable/reproducible imaging.
2. Line, curved line, frame, Z-stack, Time series imaging capabilities.
3. Image acquisition for 3D, 4D, on-line spectral Imaging based on lambda stacks.
4. Real ROI bleach for FRAP, Photo-activation/conversion experiments.
5. FRET imaging as well as Quantitative data analysis capability.
6. Standard geometry Measurements like length, areas, angles etc including intensity measurements.

7. 3D image reconstruction from Z-stack image series basic software.
8. Advanced 3D software should be quoted.
9. Dedicated FRET and FRAP, FAST FRAP Software should be quoted.
10. Co-localization and histogram analysis with individual parameters.
11. Spectral un-mixing and emission fingerprinting with separation of overlapping emission spectra of fluorophores.
12. System should have total automated excitation finger printing capability for elimination of any excitation cross talk of fluorochromes.
13. System should also have excitation fingerprinting capability in case for Upgradation for white light laser for tunable laser excitation.
14. A licensed version of offline software should be offered. The license version should be for minimum 3 users.

F. Indigenous Items

1. Suitable online UPS with 60 minutes back-up
2. Suitable de-humidification of the laboratory

G. Optional items:

1. Stage Piezo Insert for scanning stage for fast travel in z with travel range of 100 microns should be offered.
2. Fully automated, programmable and software controlled onstage incubation system with Temperature, CO₂ & humidity control. Incubation system should use 100% CO₂ gas as input with preheated gas mixture of 5%. Onstage CO₂ incubator for live cell imaging, (upto 72 hrs), which can hold Petri plate & multiwall plate.
3. FCS system for single molecule detection: APD based Point FCS with high sensitivity. All laser lines for confocal imaging should be capable of working in FCS/FCCS mode. Dedicated Plan Apo 40x/1.2 water should be offered with the system. FCS measurement software for auto and cross correlation capabilities should be quoted.
4. Imported Anti-vibration table with air damping for complete microscope system.

Note:

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- All technical claims of the Bidder should be supported by product catalogue, public website of the manufacturer
- The supplier must arrange both fixed and live cell demonstration samples.
- The supplier must take up uninstall/reinstall of the equipment to a new lab space within 6 years of first installation free of cost.

**The equipment should be provided with all necessary accessories and spare
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