



# MAHATMA GANDHI UNIVERSITY

(Estd. By Kerala Legislature vide Notification No.3431/Leg.C1/85/Law dt.17.4.1985)

## SCHOOL OF BIOSCIENCES

KOTTAYAM – 686560. Ph: 0481 –2731035

Website : [mgu.ac.in](http://mgu.ac.in) E-mail: [bio.sc.office@gmail.com](mailto:bio.sc.office@gmail.com)

### TENDER NOTICE (TWO BID SYSTEM)

TENDER NOTICE No: BMS/106/PEQ- EQUIP/01/2016-17

Sealed tenders are invited from reputed firms and their authorized dealers to supply “Laboratory Equipments” to the School of Biosciences, Mahatma Gandhi University Priyadarshini Hills P.O, Kottayam.

#### Equipments:-

01. MONOCULAR MICROSCOPES	- 10 Nos
02. DIGITAL AUTOCLAVE- BRANDED MODEL	- 01 No.
03. PAGE APPARATUS- BRANDED MODEL	- 02 Nos
04. AGE APPARATUS- BRANDED MODEL	- 01 No.
05. ELECTROPHORESIS POWER SUPPLY UNIT - BRANDED MODEL	- 02 Nos
06. VISIBLE SPECTROPHOTOMETER	- 01 No.
07. OSWALD VISCOMETER	- 10 Nos
08. TLC APPLICATOR / SPREADER SET	- 02 Nos
09. FLAME PHOTOMETER	- 01 No.
10. TUBE GEL ELECTROPHORESIS UNIT (8 TUBES)	- 01 No.
11. DEEP FREEZER 300L - 20°C- BRANDED MODEL	- 02 Nos
12. BOILING WATER BATH	- 02 Nos
13. MAGNETIC STIRRER WITH HOT PLATE	- 02 Nos
14. VORTEX MIXER	- 04 Nos
15. ELECTRONIC BALANCE - BRANDED MODEL	- 03 Nos
16. VERTICAL LAMINAR AIRFLOW CHAMBER	- 01 No.
17. HAND HELD UV LAMP	- 01 No.

Blank Tender Forms for the above items along with details given below can be downloaded as such. Completed tenders along with Tender fee (by way of Demand draft in favour of Director, School of Biosciences, S.B A/c No: **57004098056** payable at SBT Mahatma Gandhi University campus) and Treasury Challan of VAT payment should be submitted to the Director, School of Biosciences, Mahatma Gandhi University, Kottayam-686560, Kerala.

Last date for submission of completed Tenders	: 15 <sup>th</sup> November 2016
Closing of acceptance of completed Tenders	: 15 <sup>th</sup> November 2016 05:00 P.M.
Date of opening of Technical Bid	: 17 <sup>th</sup> November 2016 10:00 A.M.
Date of opening of Financial Bid	: 22 <sup>nd</sup> November 2016 10:00 A.M.

P.D.Hills  
01.11.2016

Sd/-  
**DIRECTOR**  
School of Biosciences

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## **ANNEXURE I: ELIGIBILITY CRITERIA GENERAL TERMS & CONDITIONS:**

Sealed tenders are invited from reputed firms and their authorized dealers to supply “Laboratory Equipments” to the School of Biosciences, Mahatma Gandhi University Priyadarshini Hills P.O, Kottayam.

### **1. GENERAL TERMS & CONDITIONS:**

- i. Tenders along with tender fee, should be submitted with separate EMD for each instrument. The main envelop should be superscribed: **“Quotation for the Supply of Laboratory Equipments to the School of Biosciences, Mahatma Gandhi University, Kottayam”**. Last date of submission of tenders is 15<sup>th</sup> November 2016 and Date of Opening of Technical Bid is on 17<sup>th</sup> November 2016 10:00 A.M. in the office of the Director, School of Biosciences, Mahatma Gandhi University, Kottayam
- ii. Technical Bids and Financial Bids for each instrument must be placed in individual sealed envelopes and these envelops must be placed inside a bigger envelope.
- iii. The tender must be accompanied with nonrefundable application fee of Rs. 1000/- with the Treasury Challan of VAT paid.
- iv. Tenders must accompany a copy of the “Eligibility Criteria and General Terms and Conditions” section of this document, signed and stamped on each page indicating that they agree to these.
  - v. Last date of submission of tender along with requisite fee, EMD and all documents is 15<sup>th</sup> November 2016.
  - vi. The DDs for application fee and EMD or any other must be drawn in of favour of the Director, School of Biosciences, Mahatma Gandhi University, Kottayam S.B A/c No: **57004098056**, payable at SBT Mahatma Gandhi University campus branch.
- vii. The date of tender opening will be as per the following:
  - a. Date of opening of Technical Bid: 17<sup>th</sup> November 2016 10:00 A.M. in the office of the Director, School of Biosciences, Mahatma Gandhi University, Kottayam.
  - b. Date of opening of Financial Bid: 22<sup>nd</sup> November 2016 10:00 A.M. in the office of the Director, School of Biosciences, Mahatma Gandhi University, Kottayam.
- viii. Electronic submission of documents (by facsimile, email and so on) is not acceptable.
- ix. If the last date of submission is declared holiday in Mahatma Gandhi University, Kottayam (in exceptional cases), the date of submission and tender opening will be next working days, respectively.
  - x. Validity of tenders shall be 3 months from the last date of submission of the tenders.
  - xi. Place of delivery of the completed tender is the office of the Director, School of Biosciences, Mahatma Gandhi University, Kottayam., and is the sole liability of the supplier only.
  - xii. The Director, School of Biosciences, Mahatma Gandhi University, Kottayam reserves the right to accept/reject any or all the tenders at any time without assigning any reason.
- xiii. The tenders received late, without tender fee, without earnest money, without required documents or incomplete in any respect / Misleading will out rightly be rejected.
- xiv. Other terms & conditions specific for different instruments must be complied with tender form.
- xv. Financial bid and Technical compliance sheet for each instrument should be strictly as per tender format, and signed on each page.
- xvi. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item, the certificate to this effect should be attached.
- xvii. Availability of Spares: The tenderer must give certificate duly signed and stamped by manufacturer for the availability of spares and servicing of instrument for at least 10 years. Supplier should give an undertaking that spares/parts will be supplied within the specified periods as and when ordered.
- xviii. Apart from all these terms and conditions, specific terms as specified for each instrument must also be complied.

Bidder's name, signature and seal:

## 2. PREPARATION OF TENDER:

- i. The tender No.(mentioned on top) and due date should invariably be superscripted on the envelop cover.
- ii. The proposals shall be submitted in two parts, viz. **TECHNICAL BID** and **FINANCIAL BID** in **two separate sealed envelopes (with respective marking superscripted in bold).**
- iii. The first envelope (envelope 1) marked “Technical bid” should include the technical specifications of each instrument quoted along with the Tender Fee of Rs.1000/- plus chalan of VAT paid. This envelope **should not** contain any cost information whatsoever.
- iv. The second envelope (envelope 2) marked “Financial bid” **should contain** the detailed price offers of each instrument in prescribed format (inclusive of tax if any) along with separate EMDs for each instrument quoted.
- v. Both the sealed envelopes **Technical bid** and **Financial bid** should be placed in a bigger sealed cover. The top of cover must also contain Name and Address of the tenderer, telephone number and other contact details for further correspondence.
- vi. **Only those tenders competing in technical evaluation will be considered for financial evaluations.** The price envelops of others will not be considered. At second stage, financial bids of only technically acceptable offers will be opened for further evaluation and ranking before awarding the contract.
- vii. The financial proposal shall be opened in the presence of the tenderers or their representatives who choose to attend. Prior information in this regard will be given to the tenderers qualified in the Technical Bid.
- viii. The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender.

## 3. DELIVERY OF TENDER

- i. All tender documents should be addressed to the Director, School of Bioscience Sciences, Mahatma Gandhi University, Priyadarshini Hills P.O, Kottayam- 686 560, Kerala, India.
- ii. Tenders duly sealed and sent only by registered post/courier will be considered. **No tender delivered by hand/electronically will be accepted.**
- iii. No responsibility with regard to postal delays due to any reason whatsoever will be accepted.

## 4. OPENING OF TENDERS

- i. Unless otherwise preponed, or postponed with advance intimation to the tenderers, tender will be opened in two stages in The office of the Director, School of Biosciences, Mahatma Gandhi University, Priyadarshini Hills P.O, Kottayam – 686 560, Kerala, India on the date and time indicated in first page of the instruction sheet of this tender document.
- ii. TENDER FORM PART-I (TECHNICAL BID) of the tender will be opened at the first stage on the due date and time indicated for opening in the instruction sheet of this tender document while the TENDER FORM PART-II (FINANCIAL BID) will be opened at the second stage on the due date and time indicated for opening in the instruction sheet of this tender document after completion of the evaluation of the Techno-commercial part (Part-I) of the tender.
- iii. While all the tenderers who submit tenders within the due date and time specified for its receipt will be permitted to participate in the opening of PART-I (TECHNICAL BID) of the tender on the due date and time indicated in the instruction sheet of this tender document, opening of the PART-II (FINANCIAL BID) of the tender can be attended only by such of those tenderers whose tenders are found to be technically suitable/acceptable to the Purchaser and to whom intimation thereof will be given by the Purchaser by Fax/Telegram/Letter/e-mail etc

Bidder's name, signature and seal:

- iv. The tenderers whose TECHNICAL BID (Part-I) are found suitable/acceptable to the Purchaser, will be given four days advance intimation by the Purchaser to enable such tenderers to depute their representative to participate in the opening of the FINANCIAL BID (Part-II) of the tender. The technically unqualified tenderers will neither be given any intimation about the due date and time for opening FINANCIAL BID (Part-II) of the tender nor will they be permitted to participate in the opening of the same. FINANCIAL BID (Part-II) of the technically disqualified tenderers will not be opened
- v. The tenderers who wish to participate in the opening of the tenders may depute their representatives to ‘The office of the Director, School of Biosciences, Mahatma Gandhi University, Priyadarshini Hills P.O, Kottayam – 686 560, Kerala, India on the respective due date, time and venue as indicated in the instruction sheet of this tender document with an authority letter addressed to the Director, School of School of Biosciences, Mahatma Gandhi University, Priyadarshini Hills P.O, Kottayam – 686 560, Kerala, India which should be produced to the officers who are opening the tenders, on demand, to prove the bonafides of the representatives who participate in the opening of the tender. In case the representative of the tenderer fails to produce such an authority letter on behalf of the tenderer, he will be debarred from participating in the opening of the tenders.
- vi. The tenderer’s representative, who reaches the venue of the tender opening late, i.e. after the starting time specified for opening of the tenders, will not be allowed to take part in the tender opening. **It should be noted that only one representative of each tenderer will be permitted to participate in the tender opening.**

#### 5. EVALUATION OF BIDS RECEIVED:

- i. The office of the Director, School of Biosciences, Mahatma Gandhi University has the full right to evaluate, segregate, rank the responsive bids and select the successful bidder for placement of the contract. Any decision by the Director in this regard will be final.
- ii. No legally enforceable right is vested in the quoted party merely because it was ostensibly the lowest bidder

#### 6. BID SECURITY

- i. Earnest money of 2.5 percent of the estimated value will be taken from the prospective bidders in case of limited/advertised tender in the form of Account payee Demand Draft, Bankers cheque or a Bank Guarantee from a commercial bank. Suppliers registered with Director General of Supplies & Disposals (DGS&D), National Small Industries Corporation ( NSIC), Govt. approved sources are exempted. Tender without EMD/document for exemption from EMD, will be considered unresponsive and rejected.

#### 7. PERFORMANCE SECURITY

- i. For contracts above value of Rs.1.00 lac, performance security of 10 percent of the value of contract is to be obtained from the successful bidder, awarded the contract, in the form of Bank Guarantee or Fixed Deposit (with a lien to the Director, School of Biosciences, Mahatma Gandhi University) from a commercial bank which should be valid for a period of 60 days beyond the completion of all contractual obligations of the supplier including warranty. Performance security will be forfeited and credited to the Institute in the event of breach of contractual obligation by the supplier, in terms of relevant contract
- ii. Bid Security will be refunded to the successful bidder on receipt of performance security. The institute will pay no interest for the deposit.

Bidder’s name, signature and seal:

## 8. DELIVERY, INSTALLATION AND WORK COMPLETION

- i. The delivery of the material will be made within stipulated time/period as given in the supply/work award letter which otherwise will attract penalty. In case of imported item, the supplier/their Indian Agent will be responsible for delivery of the material from the place of discharge of material to final point and installation thereat (Laboratory, School of Biosciences, Mahatma Gandhi University Campus, Priyadarshini Hills PO, Athirampuzha, Kottayam).

## 9. PRICE AND DELIVERY

- i. The prices quoted must be net per unit, inclusive of all charges F.O.R. C.I.P Cochin and delivery charges to the specific lab of School of Biosciences, Mahatma Gandhi University, P.D. Hills P.O. Kottayam-686560.
- ii. The prices quoted must be FIRM and preference will be given to such tenders. In exceptional cases (e.g. items involving substantial use of raw materials susceptible to sharp fluctuation in prices) if prices are quoted subject to variation it shall be on the basis of a standard Price Variation Formula. The basis for calculation shall be very clearly stated. Here again preference will be given to the tenders with a specific ceiling on escalation.
- iii. All other charges including VAT/CST, Excise Duty and other levies payable by C.I.P should be clearly indicated otherwise which it will be presumed that the rates quoted are inclusive of all these charges and will not be paid.
- iv. As the University is exempted from the payment of Custom/Excise Duty, the Excise Duty component (with percentage) should be indicated. Exemption will be availed by providing Custom/Excise Duty Exemption Certificate with order.
- v. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the Technical Bid.
- vi. The charges for extended warranty and/or Annual Maintenance Contract after the expiry of offered warranty period should be specified in the Financial Bid.
- vii. The manufacturers' original printed (not photocopied) literature/catalogue/drawing/user's list in respect of range of product being quoted should also be submitted with the offer.
- viii. In case the rates are being offered by the dealer/stockiest, a certificate from the manufacturer in original about the authorization of dealership/stockiest-ship and to quote rates on their behalf be furnished with the offer along with a certificate from the manufacturer that for the material supplied through the authorized dealer/stockiest, they will be responsible for its quality and guarantee/warranty.
- ix. The supply of items of approved specifications shall have to be made strictly as per given delivery schedule on placement of order, failing which the material will be rejected and returned at the expenses of the supplier.
- x. The firms shall be required to arrange demonstration of the offered item if required by the University.

## 10. PAYMENT

Proforma Invoice of the manufacturer should be enclosed along with complete terms & conditions. The terms of payment will be Letter of Credit (L.C.) on C.I.P. basis as under:

- i. L.C. will be opened for 100% amount and shall be bifurcated in the following manner:
  - a. L.C. for 90% of the cost of material, which shall be released by the bank on proof of dispatch of goods in good condition.
  - b. The 10% amount against L.C. of the cost of material shall be released by bank on satisfactory installation, commissioning of the instrument, deposition of performance warranty and/or security -if any- and all required documents on subsequent intimation by the office to the bank to this effect

Bidder's name, signature and seal:

#### 11. WARRANTY

- i. Any defective goods supplied should be replaced or repaired by the supplier free of charge. Delivery of goods and its installation at School of Biosciences, Mahatma Gandhi University, Kottayam during part repair/replacement should be free of charge. A warranty certificate declaring these points must be supplied with the technical bid.

#### 12. MAINTENANCE CONTRACT

The instrument or machinery is to be maintained free of charge by the supplier during warranty period (3 years) or such other extended periods as the contract terms may provide and the paid maintenance should commence only thereafter. If the supplier fails to deliver the goods and / or perform the services within the contractual delivery period for reasons other than circumstances beyond supplier's control (which will be determined by the purchaser) and the supplier extends the delivery period, the purchaser will also deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% (half percent) of the cost of the item/service delivered/performed, being the price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance. The maximum limit of such deduction will, however, be 10% (ten percent) of the contract price of the delayed goods or services.

#### 13. SALES TAX REGISTRATION CERTIFICATE

- i. Tender applications must be accompanied by duly attested Photostat copy of the sales tax declaration to the effect that the firm is registered under the Sales Tax Department.

#### 14. INCOME TAX

- i. Photostat copy of the latest income tax clearance certificate and a copy of PAN should be provided.

#### 15. CUSTOM DUTY & EXCISE DUTY EXEMPTION

- i. Our Institute is registered with the Department of Scientific & Industrial Research (DSIR) for purposes of availing customs duty exemption. The certificates will be made available.

#### 16. INSURANCE

- i. The goods supplied shall be fully insured in Indian rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. The insurance shall be valid for a period of not less than 3 months after installation and commissioning.

Bidder's name, signature and seal:

**ANNEXURE II: TENDER FORM PART-I (TECHNICAL BID)**

PART-I (TECHNICAL BID) OF TENDER NO: **BMS/106/PEQ- EQUIP/01/2016-17** dated **01.11.2016**

Last date for receipt: **15<sup>th</sup> November 2016**

Due date for opening Part –I (TECHNICAL BID): **17<sup>th</sup> November 2016**

Tenderer's Offer No:

Date:

From,

M/s. ....  
.....  
.....

To,

The Director,  
School of Biosciences, Mahatma Gandhi University,  
Priyadarshini Hills P.O, Kottayam- 686 560  
Kerala, India.

Dear Sir,

I/We have gone through the tendering conditions pertaining to the Two-Part Tender and General Conditions of Contract and Special Conditions of Contracts contained herein with this tender document. I/we hereby agree to supply the stores conforming to the tender specifications incorporated in ANNEXURE III of the tender document and also agree to abide by your General Conditions of all Contracts and Special Conditions of Contract contained in the ANNEXURE I of the Tender document.

You will be at liberty to accept any or more of the items of stores offered by us and I/we shall be bound to supply you the stores as may be specified in the Purchase Order/Contract.

I/We hereby agree to keep the price valid for your acceptance for a period of 90 days from the date of opening of Part-II (Financial bid) of the tender

Deviations to Technical specifications contained in ANNEXURE IV to XXVII of the tender documents are detailed in ANNEXURE-A to the tender form while deviations proposed to the General Special Conditions of Contract contained in ANNEXURE I are detailed in ANNEXURE-B to this tender. Price applicable for the stores are indicated separately in a sealed envelope marked as Financial bid of the tender.

I/We are also enclosing herewith all the leaflets catalogue etc. pertaining to the stores offered.

Thanking you,

Yours faithfully,

Stamp and Signature of the Tenderer

**ANNEXURE III: TENDER FORM PART-II (FINANCIAL BID)**

PART-II (FINANCIAL BID) OF TENDER NO: **BMS/106/PEQ- EQUIP/01/2016-17** dated **01.11.2016**

Last date for receipt: **15<sup>th</sup> November 2016**

Due date for opening Part –I (FINANCIAL BID): **22<sup>nd</sup> November 2016**

Tenderer's Offer No:

Date:

From,

M/s. ....  
.....  
.....

To,

The Director,  
School of Biosciences, Mahatma Gandhi University,  
Priyadarshini Hills P.O, Kottayam- 686 560  
Kerala, India..

Dear Sir,

In response to your invitation and as per your tendering and contracting conditions, the prices applicable for the scope of supply contained in Part-I (TECHNICAL BID) of our tender are indicated in the format at ANNEXURE - B to this tender.

We hereby agree to keep the price valid for your acceptance for a period of 90 days from the date of actual opening of Part-II (FINANCIAL BID) of the tender.

Thanking you,

Yours faithfully,

Stamp and Signature of the Tenderer

**ANNEXURE IV : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: MONOCULAR MICROSCOPES**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"> <li>• 10x,40x,100x objectives</li> <li>• Built in LED light source having battery back up</li> <li>• 3 years of warranty for instrument.</li> </ul>	<b>10</b>	

Bidder’s name, signature and seal:

**ANNEXURE V****: TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: DIGITAL AUTOCLAVE- BRANDED MODEL**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"><li>• Capacity – minimum 100 L (working chamber)</li><li>• Microprocessor Controlled</li><li>• Single lever lock for lid opening and closing</li><li>• Pressure interlock door</li><li>• Automatic pressure cut off</li><li>• Water level sensor</li><li>• Including appropriate chamber baskets</li><li>• Of single phase</li><li>• 3 years of warranty for instrument.</li></ul>	<b>01</b>	

Bidder's name, signature and seal:

**ANNEXURE VI : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: PAGE APPARATUS- BRANDED MODEL**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"> <li>• Mini Dual vertical electrophoresis unit for 10x8cm</li> <li>• Molded buffer chamber,</li> <li>• With 2 nos (min) gel plates (both notched and regular), 2 nos comb, 2 sets of spacers, power cables, dual gel caster etc. -complete set.</li> <li>• 3 years of warranty for instrument.</li> </ul>	<b>02</b>	

Bidder's name, signature and seal:

**ANNEXURE VII : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: AGE APPARATUS- BRANDED MODEL**

Specifications	Quantity	Complies/Not Complies (Do not write “as per quotation”)
<ul style="list-style-type: none"> <li>• Medium submarine electrophoresis unit (min size 15x10cm)</li> <li>• Single piece molded buffer chamber with safety lid and cables</li> <li>• Gel casting tray should be UV transparent</li> <li>• Including:-               <ul style="list-style-type: none"> <li>(a) 7x7cm, 7x10cm, 15x10cm casting trays- 1no each.</li> <li>(b) Electrode sets-2nos.</li> <li>(c) 1.5mm thick 8 well comb (Suitable for 7x7cm and 7x10cm casting trays), 1.5 mm thick 20 wells Comb (Suitable for 15x10cm casting tray) -2 nos each.</li> <li>(d) Gel caster-1no.</li> </ul> </li> <li>• 3 years of warranty for instrument.</li> </ul>	<b>01</b>	

Bidder’s name, signature and seal:

**ANNEXURE VIII : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: ELECTROPHORESIS POWER SUPPLY UNIT  
- BRANDED MODEL**

Specifications	Quantity	Complies/Not Complies (Do not write “as per quotation”)
<ul style="list-style-type: none"> <li>• Suitable for submarine &amp; mini vertical electrophoresis unit with digital display.</li> <li>• Capable of running 2 units (min) at constant current/ voltage</li> <li>• Maximum output – 400mA/300V</li> <li>• Having digital timer</li> <li>• Input voltage 230V, 50/60Hz</li> <li>• 3 year warranty</li> </ul>	<b>02</b>	

Bidder’s name, signature and seal:

**ANNEXURE IX : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: VISIBLE SPECTROPHOTOMETER**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"> <li>• 400-700nm. microprocessor based with digital display and auto zero adjustment</li> <li>• Wavelength reproducibility – 0.1nm</li> <li>• Photometric accuracy – + 0.3% T</li> <li>• Photometric repeatability – + 0.2 % T</li> <li>• Stability – 0.001 A/h@500nm</li> <li>• Lamp- Deuterium lamp and Tungsten halogen lamp</li> <li>• Detector – Silicon photodiode</li> <li>• Double beam</li> <li>• Bandwidth- 1nm</li> <li>• 3 year warranty.</li> </ul>	<b>01</b>	

Bidder’s name, signature and seal:

**ANNEXURE X : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: OSWALD VISCOMETER**

Specifications	Quantity	Complies/Not Complies (Do not write “as per quotation”)
<ul style="list-style-type: none"> <li>• Size - 150cm.</li> <li>• medium range 7-35cst viscosity</li> <li>• 3 year warranty</li> </ul>	<b>10</b>	

Bidder’s name, signature and seal:

**ANNEXURE XI : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET FOR EQUIPMENT: TLC APPLICATOR / SPREADER SET**

Specifications	Quantity	Complies/Not Complies (Do not write “as per quotation”)
<ul style="list-style-type: none"> <li>• Moveable applicator/Spreader with built in thickness adjuster</li> <li>• Thickness range - 0 – 2 mm</li> <li>• Including:-               <ul style="list-style-type: none"> <li>○ Acrylic base plate with a dimension of 114 x 23 cm,</li> <li>○ Spotting template</li> <li>○ Glass plates 20 x 20cm</li> <li>○ T.L.C. plates 20 x 5 cm</li> <li>○ Scriber for marking lines.</li> </ul> </li> <li>• 3 year warranty.</li> </ul>	<b>02</b>	

Bidder’s name, signature and seal:

**ANNEXURE XII : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: FLAME PHOTOMETER**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"> <li>• Microprocessor based-ppm read out</li> <li>• With sodium, potassium, calcium filters</li> <li>• 3 year of warranty for instrument.</li> </ul>	<b>01</b>	

Bidder's name, signature and seal:

**ANNEXURE XIII : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: TUBE GEL ELECTROPHORESIS UNIT (8 TUBES)**

Specifications	Quantity	Complies/Not Complies (Do not write “as per quotation”)
<ul style="list-style-type: none"> <li>• Buffer tank with place for 8 Gel Tubes with electrode assembly,</li> <li>• With Glass gel tubes -7.5 cm long x 5 mm i.d (8 nos);</li> <li>• Having Gel Tube stand (1),</li> <li>• Having Rubber grommets (8),</li> <li>• Having Long needles (2)</li> <li>• Having appropriate Power cords (1).</li> <li>• 3year warranty</li> </ul>	<b>01</b>	

Bidder’s name, signature and seal:

**ANNEXURE XIV : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: DEEP FREEZER 300L - -20°C- BRANDED MODEL**

Specifications	Quantity	Complies/Not Complies (Do not write “as per quotation”)
<ul style="list-style-type: none"> <li>• With digital control unit and stabilize</li> <li>• Microprocessor control, digital display, adjustable temperature range: -10°C ~ -25°C,</li> <li>• Capacity: 300 Lit</li> <li>• LED digital display for clear observation</li> <li>• Multiple malfunction alarms including high / low temperature, sensor error</li> <li>• Two types of alarm indications: audible buzzing and visible flashing light Ergonomic Design</li> <li>• Door lock for storage safety</li> <li>• High density foam insulation for rigidity and stable storage temperature</li> <li>• 7 drawers</li> <li>• Wide voltage tolerance design with applicable voltage range of 187 ~ 242 V/AC</li> <li>• Power / Current: 90 W / 0.7 A</li> <li>• Power Supply (V/Hz): 220-50</li> <li>• Suitable Voltage stabilizer should supply.</li> <li>• 3year warranty</li> </ul>	<b>02</b>	

Bidder’s name, signature and seal:

**ANNEXURE XV**

**: TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: BOILING WATER BATH**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"><li>• 2.5x1.5x1 ft. double heater</li><li>• Ambient +5°C to 100°C</li><li>• With Water level Safety Control Alarm</li><li>• Control Accuracy - <u>+ 0.3° C</u></li><li>• 3 year warranty</li></ul>	<b>02</b>	

Bidder's name, signature and seal:

**ANNEXURE XVI : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: MAGNETIC STIRRER WITH HOT PLATE**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"> <li>• Capacity – 2L (Stirring capacity)</li> <li>• Having temperature controllable hot plate</li> <li>• Having speed regulator</li> <li>• 3 year warranty</li> </ul>	<b>02</b>	

Bidder’s name, signature and seal:

**ANNEXURE XVII : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: VORTEX MIXER**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"><li>• With speed regulator</li><li>• 3 year warranty</li></ul>	<b>04</b>	

Bidder's name, signature and seal:

**ANNEXURE XVIII : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET  
FOR EQUIPMENT: ELECTRONIC BALANCE - BRANDED MODEL**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"><li>• Maximum capacity – 220gm</li><li>• Minimum readability 0.1mg</li><li>• Pan diameter should be minimum 90 mm</li><li>• Having both internal and external calibration modes</li><li>• 3 year warranty</li></ul>	<b>03</b>	

Bidder's name, signature and seal:

**ANNEXURE XIX : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET FOR EQUIPMENT: VERTICAL LAMINAR AIRFLOW CHAMBER**

Specifications	Quantity	Complies/Not Complies (Do not write “as per quotation”)
<ul style="list-style-type: none"> <li>• Working area 4ftx2ftx2ft.</li> <li>• 0.25 HP motor with a min RPM of 1100,</li> <li>• Having nylon pre filter,</li> <li>• HEPA filter 99% filtration performance with atleast 0.3 micron purification.</li> <li>• Fluorescent &amp; UV light.</li> <li>• Acrylic/tempered glass front door with UV protection</li> <li>• S.S Cabin floor.</li> <li>• Fitted with manometer &amp; cock for gas connection</li> <li>• Of single phase, 230V, 50/60Hz</li> <li>• 3 year warranty</li> </ul>	<b>01</b>	

Bidder’s name, signature and seal:

**ANNEXURE XX : TECHNICAL SPECIFICATION AND TECHNICAL COMPLIANCE SHEET FOR EQUIPMENT: HAND HELD UV LAMP**

<b>Specifications</b>	<b>Quantity</b>	<b>Complies/Not Complies (Do not write “as per quotation”)</b>
<ul style="list-style-type: none"> <li>• Of light weight with handle</li> <li>• Of dual wavelength (365nm and 254nm)</li> <li>• With a bench top shield with a minimum width of 30cm and height of 45cm 3 year of warranty</li> </ul>	<b>01</b>	

Bidder’s name, signature and seal:

**ANNEXURE ANNEXURE XXI : CHECK LIST**  
**(TO BE FILLED IN COMPLETELY & PLACED ALONGWITH TECHNICAL BID)**

<b>SI No</b>	<b>Points to be verified</b>	<b>Yes/No</b>
1	Technical specification compliance sheet	
2	Tender fee	
3	EMD/ EMD Exemption Certificate	
4	Photocopy of PAN and TAN card	
5	User list and certificates issued by clients	
6	Copy of income tax return certificate	
7	All other certificates as asked in tender document a) Spare part availability certificate b) Certificate indicating country of manufacture c) Sales tax registration certificate d) Copy of “Eligibility Criteria and General Terms and Conditions” signed and stamped on each page	

Bidder’s name, signature and seal:

Place:  
Date:

Signature of Authorized Person  
Designation

Seal