



Department of Life Science and Bioinformatics  
Assam University Diphu Campus  
(A Central University established by an act of Parliament)  
Diphu-782 462, Karbi Anglong, Assam, India

NIT No: AUDC/LS-55/DST-SERB Project/1/2017

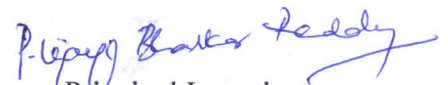
Date 27/02/2018

### Notice Inviting Tender

The Assam University Diphu Campus invites sealed quotations from reputed manufacturers/dealers/suppliers are invited for supply, installations etc. for the following items for the Department of Life Science and Bioinformatics, Assam University: Diphu Campus under DST-SERB sponsored project, as per details mentioned below in Section II of the Bid, The quotation in two bid systems is to be submitted in sealed envelopes to the undersigned on or before 19<sup>th</sup> March 2018 by 12 pm. The invitation to tender is subject to fulfillment of instructions and conditions as per the details given below:

- a) Section-I: Rules and Regulation including Eligibility Conditions.
- b) Section-II: Technical Requirements.
- c) Section-III: BID Security and Performance Security
- d) Annexure-I: Statement of Compliance Certificate ( Duly filled, signed and sealed copy of Statement of Compliance to essential Terms & Conditions as per the details given below:
- e) Annexure-II: Format of Financial Bid
- f) Annexure-III: performance bank guarantee.
- g) The bid documents are not transferable and the seal and signature of the authorized official of firms must appear on all the papers and envelopes submitted.

Kindly read both Section I and II which are fully understood and complied. No correspondence shall be entertained in case your quotation is rejected on ground of not complying with our instructions, terms and conditions. In case of doubt please contact us either by email (project Investigator email: vbreddyasuh@yahoo.com) or by Cell Phone (+91-8179996671).

  
Principal Investigator  
(Dr. PVB Reddy)

Copy to:

1. Pro-VC, AUDC
2. Chairman, Project Purchase Committee, AUDC
3. Director of Computer Centre, AUS, Silchar with a request to upload the NIT on AUS website
4. Notice Board



**Section-I**

Schedule to invitation to Tender

1. Important date and Time :

- (i) Last date and time of receipt of Tender : 19.03.2018; 12.00 PM
- (ii) Date of opening Tender : 19.03.2018, 2.00 PM
- (iii) Venue of Bid opening: Department of Life Science & Bioinformatics, AUDC.

On the day of Tender Opening only Techno Commercial Bids (Technical Bid) will be opened. Price/Commercial Bid will be opened on a fixed later date for the successful Technical bidders. Interested bidder may depute one representative, with an letter duly signed by the signatory of the bid documents, to attend the opening of bids.

2. The Tender is to be submitted under “TWO BID” system viz. Two separate sealed covers each should contain Techno Commercial bid (except price) with superscription as “Technical Bid”, and other should contain commercial / price Bid with superscription as “Price Bid”. Both the bids are to be packed in one sealed cover with superscription as **“Tender for Supply of Research equipments”**. All 3 covers should be superscripted separately with nomenclature of each envelope/cover as per their respective content. The address of the firm submitting the quotation and the officer to whom the quotation is addressed must appear distinctly on sealed covers. Any other person (s) will not be allowed to attend the bid opening. Further, on top sealed cover (containing both the Bids), the following are to be written:

QUOTATION FOR SUPPLY OF RESEARCH EQUIPMENTS  
 NIT No.....

LAST DATE OF SUBMISSION : 19.03.2018 (12.00 PM)

To

The Principal Investigator  
 DST-SERB Project: EMR/2016/003798  
 Department of Life Science & Bioinformatics  
 Assam University Diphu Campus,  
 Diphu – 782462, Karbi Anglong,  
 Assam, India

From : M/s \_\_\_\_\_  
 Phone No. : \_\_\_\_\_  
 Email ID : \_\_\_\_\_



3. The Vendor /firm must have local service support (Guwahati/ Tezpur) and should give details of service engineer along with contact no.
4. Tender should be submitted along with earlier supplied orders to reputed Govt. Institutions.
5. Minimum single order value of Rs. 25 lakhs should be submitted as a proof of credentials.
6. The rates should be quoted along with supporting documents of specifications and technical features and list of users. Sealed quotations is/are to be accompanied by
  - Copy of PAN
  - Income Tax return for previous year. Minimum Turnover of the Firm shouldn't be less than 2.5 Cr Last year.
  - Proof of valid registration with GST and certificate of the same.
  - Proof of similar works performed in last three year (e.g. Completion or performance certificate etc). Minimum single order value of 25 Lakhs
  - Detail of bidding firm's back ground (e.g. Name and address of director/proprietor/partners, Technical staff present, Machinery /tools in possession etc)
7. Submission of Compliance Certificate: **Duly filled and signed Compliance Certificate (as per format at ANNEXURE-I) must be enclosed.**
8. Bid not transferable: The bid documents are not transferable and the seal and signature of the authorized official of the firm's must appear on all the papers and envelopes submitted.
9. Rates (to be submitted in price/commercial bid in separate envelope): Rates quoted for items should be on FOR Assam University Diphu Campus, on DOOR DELIVERY basis, with break-ups as Annexure-II.

Note: Vague terms like "packing, forwarding, Transportation etc. 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. AMC price will not be taken into consideration for evaluation of the Price Bid. However it is compulsory to be quoted.
10. Evaluation of bid: Evaluation of the Bid: Package offer including delivery, installation etc of all equipments will be preferred after examining if the specifications of the quoted items match with that of the notified items.
11. **Validity of Quotation:** Quoted rates must be valid for **120 days** from the last date of submission of quotation.
12. **Warranty:** The quoted equipment and components must be warranted for a minimum of one year.
13. **Literature a must:** All the quotations must be supported by the printed technical leaflet/literature and the specifications mentioned in the quotation must be reflected/supported by such printed technical leaflet/literature. The model and specifications quoted should invariably be highlighted in the leaflet/literature for easy reference.



- 14. After Sales Service:** In case of imported goods, vendors should clearly state the available nearest after sales service centre and detail address in India, preferable in **Guwahati/Tezpur**, without which their offers shall be liable for rejection.
- 15. Dealership Certificate:** (a) Dealers or Agents quoting on behalf of manufacturer must enclosed valid dealership certificate. (b) Indian agent should get enlistment certificate from DGS&D who desire to quote directly on behalf of their foreign principals.
- 16. Quality Certificates:** Valid certificate to prove that the products are genuine and of International standard, as mentioned below, must be enclosed.
- 17. Earnest Money/Security Deposit:** The EMD will be 1% of quoted amount and Price of Tender Document of Rs. 500/- should be submitted separately Demand Draft issued from a Nationalized Bank, drawn in favor of the “Assam University Diphu campus”, payable at Diphu SBI, Main Branch-1170 The tenders submitted without EMD (Earnest Money Deposit) and cost of Tender Document shall be liable to be rejected summarily.
- 18. Performance Bank Guarantee**  
The successful bidder, to whom the Purchase Order is placed, shall furnish an unconditional performance Bank Guarantee from a scheduled Bank of India, for 10% of the Purchase Order value, within 21 days of placement of order. In case of foreign purchase the local Agent shall submit the PBG. Where the PBG is to be necessarily given by a foreign bank it shall be endorsed by its counterpart in India. Validity of the PBG, which shall be effected from the date mentioned therein, shall be at least 14 months+ expected delivery period. In case 14 months of validity is not possible, then when the system is delivered, the PBG’s validity will have to be suitably extended before payment is released.
- (i) **By submitting the PBG, the vendor is understood to have guaranteed that,**
- (a) The Purchase Order (PO) shall be executed as per terms and conditions mentioned therein.
  - (b) The equipment shall function satisfactorily for a period up to 60 days after the warranty period.
  - (c) The equipment and components are free from poor workmanship, bad quality, and faulty designs.
  - (d) The vendor shall at his/their own cost rectify/replace the defects, if any, during the guarantee period.
  - (e) The guarantee is to the extent of 10% of the order value.
- (ii) **Condition for invoking PBG:** In case of failure to comply with the guarantees above, AUDC may terminate the contract/ purchase order in whole or in part and forfeit the PBG. In addition, AUDC may, at its discretion, procure upon such terms and in such manner as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier/vendor shall be liable to compensate AUDC for any extra expenditure involved.’’
- 19. Delivery:**
- a) **Time Limit:** The supply and installation of laboratory equipments shall be done by the vendor free of charge within six weeks from the date of issue of purchase order.
  - b) The intending supplier should quote the rates inclusive of all expenses, charges, taxes, duties, transportation, packing, forwarding, freight, insurance, etc.



- c) Safe Delivery:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of AUDC user/representative and vendor's representative. The intact condition of the package and the seal/ indicators for not being tempered with shall form the basis for certifying the receipt in good condition.
- d) Insurance:** The supplier is to establish 'All Risk Transit Insurance' coverage till door delivery at AUDC
- e) Part Delivery:** Part delivery is not allowed.
- f) Penalty Delay delivery:** The date of delivery should be strictly adhered to otherwise the AUDC reserves the right not to accept delivery in part or full.
- 20. Genuine Pricing:** 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, particularly to Institutes and other Government Organization. Copy of the latest price list for the quoted item, applicable in India, must be enclosed with the other.
- 21. Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on AUDC.
- 22. GST:**
- (a) Up-to-date GST clearance certificate, GST Registration Certificate indicating also the GSTIN number of the firm must be clearly mentioned in the quotation. For exemption from paying Octroi duty, wherever required, the Institute shall issue necessary certificates.
  - (b) Concessional Form C & D is not applicable to us.
  - (c) Tax Deducted Source: TDS as per Order/notification of the Govt. of India will be applicable.
- 23. Late and delayed tender:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on the prescribed closing/opening date the next day shall be the prescribed date of closing/opening.
- 24. Payment terms:** payments will be made after delivery and successful installation and demonstration by factory trained engineers/authorized persons. Payment will be made through A/c payee cheque. Please note as per University norm, advance payment is not allowed for purchase.
- 25. Penalty for delayed delivery :**
- In case of supply order for the scientific equipments/apparatus, the date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning i.e. after the expiry of the period as agreed by both the 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%(ten percent) as detailed below:
- @ 1% up to one week;
  - @ 2.5% up to two weeks;
  - @ 5% up to three weeks;



@ 10 % up to four weeks and above

For the purpose of this clause, part of the week is considered as a full week. In case of delayed delivery, the AUDC reserves the right not to accept the subject consignment.

**26. Excise Duty Certificate:** Excise duty exemption certificate will be issued as applicable, against receipt P.O. Acknowledgement.

**27. Enquiry during the course of evaluation not allowed:** No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative (AUDC) can make any enquiry /seek clarification from the bidders. In such a situation. The agency shall extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period notice, as such the bidders have to be ready for the same.

**28. Acceptance of quotations:** The Acceptance of the quotation will rest solely with the AUDC, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.

**29. Breach of Terms and Conditions:** In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/ job without assigning any reason thereof and nothing will be payable by Assam University, Diphu Camus and in that event, the security deposit shall also stands forfeited.

**30. Force Majeure :**

If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:

- I) Any law, statute or ordinance, order action or regulations of the Government of India,
- II) Any kind of natural disaster, and
- III) Strikes acts of the public enemy, war, insurrection, riots, lockouts, sabotage.

**31. Termination of default :** Default is said to have occurred

- (a) If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
- (b) 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 AUDC.
- (c) If the supplier fails to perform any other obligation(s) under the contract.
- (d) Under the above circumstances AUDC may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, AUDC may at its discretion also take the following actions: AUDC 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 AUDC for any extra expenditure involved towards goods and services obtained.

**32. Applicable Law:**



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- (a) The contract shall be governed by the laws and procedures established by Govt. of India and the subject to exclusive jurisdiction of Competent Court and Forum in Diphu or India only.
- (b) Any dispute arising out of this purchase shall be referred to the Registrar, Assam University Silchar, 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 Assam University. The decision of such Arbitrator shall be final and binding on both the parties.



<b>Section-II</b>			
<b>Technical Requirement and Scope of work</b>			
<b>A. Requirements/Technical Specifications:</b>			
S.No	Name of the Equipment	Quantity	<b>Detailed technical specifications of the item to be purchase</b>
1	<b>Micro-Pipette set</b>	01	<p>Micropipette set should include the all four ranges of pipette namely 0.2-2 <math>\mu</math>L, 2-20 <math>\mu</math>L, 20-200 <math>\mu</math>L and 100-1000 <math>\mu</math>L with Flex tips: 10, 12 x 96; 200, 2 x 96; 1000, 1 x 96, Pipette-stand, Laboratory Pipetting Guide and Reagent reservoir pack.</p> <p><b>Features :</b>            Adjustable-Volume Pipettors should durable and fully autoclavable for everyday pipetting needs. Experience superior comfort, performance, reliability, and repeatability in one of the lightest pipettors available. These pipettors should include a Advanced Volume Gearing mechanism (AVG) – a self-supporting modular volume adjustment mechanism that enhances pipetting performance.</p> <p>Details</p> <ul style="list-style-type: none"> <li>• Large Ergovisio display with white numbers on black background for increased visibility</li> <li>• Double-action pipetting button prevents accidental volume changes</li> <li>• Super blow-out piston with volumes of 50 <math>\mu</math>L and below ensures delivery of micro-size drops</li> <li>• ID tag space for personal markings; blank tags supplied with the pipetter Ergonomics</li> <li>• Extremely light and smooth plunger action reduces the risk of Repetitive Strain Injury (RSI)</li> <li>• Lightweight construction enables longer pipetting periods without fatigue</li> <li>• Soft-touch tip ejector reduces the tip ejection forces by up to 50%</li> <li>• Wide and supportive finger rest for comfortable pipetting</li> </ul> <p><b>Warranty:</b> Five years with Web registration</p>





2	<b>Gradient Thermal Cycler</b>	01	<p><b>Specifications:</b></p> <ul style="list-style-type: none"><li>➤ Should have a sample capacity of 96x0.2ml tubes, 0.2ml tube strips or 1x96-well plate with Peltier heating and cooling.</li><li>➤ Should have gradient capability and have the feature of dynamic ramping (identical hold times) for all the 8 rows of a gradient.</li><li>➤ Should have a temperature differential range of 1-25degC.</li><li>➤ Should have intuitive 5.7” (14.5 cm) touch screen interface which can displays graphics in high resolution for easy programming.</li><li>➤ The touch screen should be responsive for both gloved and un-gloved fingers.</li><li>➤ Should be capable of running reaction volumes from 1-100ul.</li><li>➤ Should have a maximum ramp rate of 4 degC/second with an average ramp rate of 2.5degC.</li><li>➤ Should have a temperature range of 4-100 deg C</li><li>➤ Should have a gradient range of 30-100 deg C</li><li>➤ Should have a temperature accuracy and uniformity of <math>\pm 0.5</math> deg C</li><li>➤ Should have a memory of &gt;500 programs with further expansion through a USB Flash drive for transfer of files.</li><li>➤ Should have block and calculated temperature control modes.</li><li>➤ The software should have exportable Run logs and system error logs</li><li>➤ Should have quick boot up time of not more than 1 min.</li><li>➤ Should be quiet in operation.</li><li>➤ System should have built in library of standard protocols for long PCR, fast PCR, reverse transcription PCR etc.</li><li>➤ Should have the feature of “instant incubation” to keep samples at constant temp. for ligation and restriction digests.</li><li>➤ Should have power save mode.</li><li>➤ Should be compatible with all kind of plastic consumables and reagents specially reusable sealing Mats.</li></ul> <p>Quoted model should have atleast 50 successful</p>
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			installations in India and the user list should be provided. Should provide the starter Reagents free
3	<b>CO2 Incubator</b>	01	<p><b>Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Microcomputer controller , LED displays temperature,CO2 concentration ,run-time and timing.</li> <li>2. UV Lamp for sterilizing the incubator.</li> <li>3. Infrared sensor for accurate CO2 concentration.</li> <li>4. High quality air filter ensures the inside air quality.</li> <li>5. Water tank for humidity in the chamber.</li> <li>6.The working chamber adopts round angle structure , easy to clean.</li> <li>7. SMC brand gas circuit valves ensure more stable CO2 concentration and less consumption of CO<sub>2</sub> gas.</li> </ol> <ul style="list-style-type: none"> <li>• Heating: Air jacket</li> <li>• Temp. Range:RT +5 ~ 60 °C</li> <li>• Control type:PID control</li> <li>• Temp. Fluctuation:≤ ±0.3 °C</li> <li>• Temp. Uniformity:≤ ±1 °C</li> <li>• Time setting:999 h or continuous</li> <li>• Alarm: Audible and visual alarm, Over-temperature alarm;</li> <li>• CO2 Concentration alarm.</li> <li>• Shelves:2 pcs/ adjustable</li> <li>• Material :External cold-rolled steel with painting</li> <li>• Internal stainless steel :Door</li> <li>• Double :Insulation material</li> <li>• polystyrene film : CO2 control</li> <li>• Infrared sensor :Range 0~20%</li> <li>• CO2 concentration control error 5%±0.5%</li> <li>• Humidification type :Water tank for natural evaporation</li> <li>• Sterilization type :UV lamp</li> <li>• Caster :Footmaster caster</li> <li>• CO<sub>2</sub> Cylinder &amp; Regulator should be supplied</li> </ul>
4	<b>Vertical Electrophoresis Unit with western blotting Wet transfer, Power</b>	01	<p><b>Vertical Electrophoresis Unit for SDS-PAGE</b>  <b>Specifications</b></p> <ul style="list-style-type: none"> <li>• Number of gels : 2</li> <li>• Total buffer volume for 2 gels : 700 ml</li> <li>• Precast gels</li> </ul>



	<p><b>Pack and Horizontal Electrophoresis</b></p>		<ul style="list-style-type: none"><li>• Mini-PROTEAN and Ready Gel Handcast gels Cast using Mini-PROTEAN spacer plates Typical run times for SDS-PAGE 35–45 min (at 200 V constant) Cassette size (W x L) Precast: 10.0 x 8.3 cm</li><li>• Glass plate size (W x L)</li><li>• Short plate: 10.1 x 7.3 cm</li><li>• Dimensions (W x L x H) 12.0 x 16.0 x 18.0 cm Spacer plate: 10.1 x 8.2 cm</li><li>• Weight 1 kg (2.2 lb)</li></ul> <p><b>Mini Trans-Blot Module</b> Modular system includes 2 gel holder cassettes, foam pads, electrode assembly, cooling unit (does not include lower buffer tank and lid)</p> <p><b>Power Supply Unit</b></p> <p><b>Specification</b></p> <ul style="list-style-type: none"><li>• Power Pac Display : LCD Diwsplay</li><li>• Output range ( programmable)</li><li>• Volts : 10-300 V,</li><li>• Current : 4-- 400 mA,</li><li>• Power : 75 W</li><li>• Type of Output : Constant voltage, constant current or constant power</li><li>• Automatic crossover : Yes</li><li>• Timer : 1 min- 99 hr, 59min</li><li>• Volt - hour control : Yes,</li><li>• 99000 volt - hours</li><li>• Pause/resume function : Yes, 4 Recessed port in pallel</li><li>• Temperature Control : No</li></ul> <p><b>Horizontal Electrophoresis Unit</b></p> <p><b>Specifications:</b> Mini Horizontal Electrophoresis system should includes 8- and 15-well combs, 7×10 cm (W L) UV-transparent tray, mini- gel caster</p> <ul style="list-style-type: none"><li>• Buffer tank: Yes</li><li>• Lid with cables: Yes</li><li>• 7 x 10 cm tray: Yes</li><li>• Leveling bubble: Yes</li><li>• 8- and 15-well combs: Yes</li></ul>
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			<ul style="list-style-type: none"><li>• Gelcaster: Yes</li></ul>
5	<b>Horizontal Laminar Air Flow</b>	01	<p>Size: 3 x 2 x 2 FT Cleanliness ISO Class 5 as per ISO 14644-1 Direction of Flow Horizontal Particle Retention 0.3 Micron &amp; Above Noise Level 65 decibel on “A” scale <math>\pm 5</math> Velocity 90 Feet / Minute <math>\pm 20</math> Worktable By IS 304 Grade Stainless Steel surface Front door by 4 mm thick Polycarbonate – Foldable Type Side Panel by 4 mm thick Polycarbonate Sheet panel U V lamp Make – PHILIPS Illumination :LED Tube Fittings Pressure (<math>\Delta P</math>) Inclined Manometer 0 –25 mm range Other accessories 5 /15 Amp power point, Gas inlet, Castor Wheels &amp; Power chord Power Supply 230V, Single phase, 50 Hz HEPA Filter: Media : Ultra clean glass fiber paper – imported Type : Mini-Pleat HEPA Filter, Separator less Retention: 0.3 Micron with a max. 25mm WG Efficiency: 99.99% Grade : H13 rating</p> <ol style="list-style-type: none"><li>1. PRE Filter: Media Synthetic, non-woven polyester fibers Casing GI with PU coated frame Retention 5 Micron &amp; above Efficiency 95 %</li></ol>
6	<b>Liquid N2 Tank</b>	01	<p>Capacity: 10 Litre</p> <ul style="list-style-type: none"><li>• No of Canister: 6</li><li>• “Cryoseal” range of containers are manufactured with Japanese technology.</li><li>• The Bureau of Indian Standards has issued BIS certification for Cryoseal liquid nitrogen containers</li><li>• No of Canister: 6</li><li>• Capacity ; 10.5 liters</li><li>• Neck diameter: 51 mm</li><li>• Static Evaporation loss rate: 0.117 liters /day</li><li>• No of Canister: 6</li><li>• Warranty : 2 years</li></ul>
7	<b>Freezer</b>	01	<p>Chest Freezer</p> <ul style="list-style-type: none"><li>• Capacity (Litres) : 200</li><li>• External Dim.- (Inches): (W x D x H): 31 x 25 x 32</li><li>• Baskets / Shelves Qty. : 2</li><li>• No. of Door/Type : 1/Solid</li></ul>



			<ul style="list-style-type: none"> <li>• Temperature Range : 8°C ~ -25°C</li> <li>• Castors : Yes</li> <li>• With lock</li> </ul>
8	<b>Cell Culture chamber Set Up System</b>	01	<p><b>10×10 x12 ft. Glass /wood Partition</b></p> <p><b>Burner</b></p> <p><b>Vortex Mixture</b></p> <ul style="list-style-type: none"> <li>• Tiny Vortex with the small footprint Brushless DC motor for maintenance free long life</li> <li>• Microprocessor controlled – delivers max speed even under varying load conditions</li> <li>• Delivers speeds of 0-4500 RPM for thorough mixing &amp; quick vortexing</li> <li>• Orbital diameter of 4.5 mm</li> <li>• Smart and Robust design – press activation with suspension</li> <li>• Robust construction with Die cast Al. base and rubber pads for stable and silent operation</li> <li>• Inbuilt counterbalance no walking issues Can be used inside fume hoods/cold rooms</li> </ul> <p><b>Mini Spinwin Upto 6000RPM</b>          Ideal for microfiltration and quick spin-downs</p> <ul style="list-style-type: none"> <li>• Easy-to-use with dual start/stop function</li> <li>• 5000-rpm fixed. speed</li> <li>• Max RCF 1360</li> <li>• Equipped with 2mL x 8 and PCR8 x 2 rotors</li> <li>• Quiet running, noise level ≤45 dB</li> <li>• Rotor change without tools</li> <li>• Accelerates and brakes in seconds</li> </ul> <p><b>Ph Meter</b></p> <ul style="list-style-type: none"> <li>• LMPH meter is capable of calibrating up to 2 points using USA or NIST pH standard buffer. Press CAL key to enter calibration mode and immerse pH electrode into indicated calibration solution, press ENTER key and meter is automatically calibrated.</li> <li>• During calibration, if the calibration solution does not match the meter's indicated value, an ERROR message is displayed.</li> <li>• After calibration, the percentage slope of the electrode is displayed before the meter returns to</li> </ul>



			<p>measurement mode.</p> <ul style="list-style-type: none"><li>• Temperature value is displayed The meter provides manual or automatic temperature mode for optimum accuracy under variable temperature</li><li>• The integrated plastic housing and keypad is sealed to protect against accidental spills and splashes. The electrode holder arm is rapidly switched to both sides and swing and articulates for convenient use and positioning</li></ul> <p>pH Range : 0.00 to 14.00 pH pH Resolution: 0.01pH pH Accuracy: 0.01pH mV Range : 1999mV mV Accuracy 1mV Temperature Range : 0 to 100 Temperature Accuracy : 1 Calibration Points : 2 points pH Buffer Options :Temperature Compensation Power supply : DC 9V adapters, using AC 220V / 50Hz Dimensions LxWxH (mm) : 210 x 205 x 65 Weight : 1.75 kg NIST ( pH 4.01 / 6.86 / 9.18 ) or USA ( pH 4.01 / 7.00 / 10.01 ) 0 to 100 C, Manual or Automatic o</p> <p><b>Hot Plate</b> Temperature: upto 280 deg C Speed; Max 1500 RPM. . Plate Material: Stainless steel with Ceramic coated, <b>Circular-top Digital Magnetic Hotplate Stirrer</b> Heat only, stir only or heat and stir together functions Easy to read LED display, with independent heat and stir display Ceramic plate for chemical resistance and easy clean Accessory PT-1000 Sensor for medium temperature control available Electronic speed control for constant speed even during changes in load Hot warning sign if temperature is above 50°C cTUVus approved CE Marked <b>With External Temperature sensor</b></p>
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		<p><b>Heating Block</b></p> <ul style="list-style-type: none"> <li>• Unique design, small size, light weight, convenient movement, suitable for various occasions</li> <li>• Simultaneous display of set and actual time, Temperature</li> <li>• Built-in temperature calibration function</li> <li>• Automatic fault detection and buzzer alarm</li> <li>• Built-in over-temperature protection device, safe and stable</li> <li>• Various blocks for convenient replacement, cleaning and disinfection</li> <li>• Thermo Lid Yes</li> <li>• Temp. Range RT+5° ~ 100°C</li> <li>• Heating Time ≤15 min (from 20 to 100°C)</li> <li>• Temp. Accuracy ≤±0.5°C</li> <li>• Temp. Uniformity ≤±0.3°C</li> <li>• Timing Range 0-999 min</li> <li>• Maximum power 60W</li> </ul> <p><b>Refrigerator (4 degree C):</b>  Type: Single Door  Refrigerator Type: Top Freezer Refrigerator  Defrosting Type: Direct Cool  Compressor Type: Smart Inverter Compressor  Capacity: 190 L  Number of Doors: 1  Coolpad: No  Toughened Glass: Yes  Built-in Stabilizer: Yes  Performance Features  Temperature Control: No  Moisture Control: No  Body And Design Features  Shelf Material: Toughened Glass Shelves  Convenience Features  Clock: No  Door Lock: Yes  Gasket Type: Anti Bacteria Gasket  Removable Gasket: Yes  Door Alarm: No  Deodorizer: No  Water &amp; Ice Dispenser: No</p>
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			<p>Water Dispenser:No Power Features Stabilizer Required:No Refrigerator Compartment Features Number of Refrigerator Shelves:2 Refrigerator Interior Light:Yes Egg Tray:Yes Additional Features Child Lock:No Wheel Support:No Dimensions Net Height:1170 mm Net Depth:634 mm Net Width:537 mm Weight:42 kg</p> <p><b>Microwave oven</b> Type: Convection Capacity: 28 L Control Type:Tact (Buttons), Jog Dial Frequency: 2450 MHz Display Type: LED Digital Display Warranty: 1 Year product and 4 years on magnetron Performance Features Preheat: Yes Timer:Yes Defrost:Yes Power Levels:5 Other Performance Features: Auto Defrost Options, Increase / Decrease Function Cooking Features Auto Cook Menu:251 Auto Cook Menu : Available: Yes Cooking Completion Indicator: Yes Other Cooking Features Diet Fry: 25, Pasteurize Milk, Indian Roti Basket: 20, Salad: 10, Dosa: 1, Ghee: 1, Soup: 20, Continental Menu: 10, Indian Cuisine: 31, Sweets Corner: 17, Rice Delight: 16, Kids Delight: 35, Child's Favourite: 15, Tea / Dairy Delight: 2, Bakery Menu: 20, Utility Corner: 7, Health Plus: 15, Paneer Curd: 3, Two Stage Cooking, Tandoor Se: 25, Chapat Corner: 11, Combination Cooking, Fast Cook, Beverages, Rotisserie Cook</p>
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			<p>Body And Design Features Design: Floral Design Cavity Material: Stainless Steel Turntable: Yes Turntable Material: Glass Convenience Features Child Lock: Yes Racks &amp; Trays Available: Grill Rack Other Convenience Features: Body Massage Oil, Keep Warm, Quick Menu, Custom Cook, Defrost Veg, Defrost Non Veg, Quick Defrost, Fermentation, Quick Start Power Features Power Output: 900 W Power Requirement: AC 230 V, 50 Hz Power Consumption – Grill: 1200 W Power Consumption – Convection: 1950 W Power Consumption – Microwave: 900 W Other Power Features: Microwave Output: 900 W, Combination Wattage: 1950 W Additional Features Technology Used: Intellowave Technology, Pasteurized Milk Technology Other Features: Multi Cook Tawa, Light Disinfect, Next Step Guide Dimensions Width: 51 cm Height: 30.5 cm Depth: 49.5 cm Turntable Diameter: 32 cm Weight: 18.5 kg</p>
9	<b>Laptop Printer Scanner</b>	01	<p><b>Laptop:</b> Sales Package: Laptop, Battery, Power Adaptor, User Guide, Warranty Documents Battery Cell: 4 cell Processor And Memory Features Processor Brand: Intel Processor Name: Pentium Quad Core SSD: No RAM: 4 GB RAM Type: DDR3 HDD Capacity: 1 TB Processor Variant: N3710 Clock Speed: 1.6 GHz with Turbo Boost Upto 2.56 GHz</p>



		<p>Memory Slots:1 Slot Expandable Memory:8 GB RAM Frequency:1600 MHz Cache:2 MB RPM:5400 Graphic Processor:Intel Integrated HD 405 Operating System Operating System:DOS Port And Slot Features Mic In:Yes RJ45:Yes USB Port:2 x USB 3.0, 1 x USB 2.0 HDMI Port:1 x HDMI Port (v1.4b) Multi Card Slot:3-in-1 Card Reader (SD, SDHC, SDXC) Hardware Interface:SATA Display And Audio Features Touchscreen:No Screen Size:15.6 inch Screen Resolution:1366 x 768 Pixel Screen Type:HD LED Backlit Widescreen BrightView Display Speakers:Built-in Dual Speakers Internal Mic:Single Digital Microphone Connectivity Features Wireless LAN :IEEE 802.11b/g/n Bluetooth:v4.0 Ethernet:Integrated 10/100/1000 Gigabit LAN Dimensions Dimensions:380 x 253.7 x 23.88 mm Weight:2.1 kg Additional Features Disk Drive:CD/DVD writer Web Camera:HP True Vision HD Webcam Read/Write Speed:8x Lock Port:Kensington Lock Slot Keyboard:Full Size Textured Island-style Keyboard with Numeric Keypad Pointer Device:Multi Gesture Touchpad Additional Features:Li-ion Battery, Supports Fast Charge Warranty Warranty :1 Year Onsite Warranty</p> <p><b>Printer:</b></p>
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			<p>General Printing Method: Laser Type: Single Function Model Series: Laser Shot Printing Output: Monochrome Refill Type: Toner Cartridge Ideal Usage: Business Dimensions And Weight Height: 343 mm Width: 356 mm Depth: 455 mm <b>Scanner:</b> <i>General</i> Light Source: 3 - Color (RGB) LED Scan Method: Contact Image Sensor (CIS) <i>Scanning Resolution</i> Selectable Resolution: 25 - 19200 dpi Optical scanning resolution: 2400 x 4800 dpi <i>Scanning Bit Depth</i> Colour: 48-bit Input, 48-bit or 24-bit Output <i>Connectivity</i> USB support: Yes, USB 2.0 <i>Power And Operating Requirements</i> Operating Temperature range: 5 DegC - 35 DegC degree C <i>Dimensions</i> Height: 40 mm Width: 250 mm Depth: 370 mm Weight: 1.6 kg</p>
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**B. Scope of Work:**

- It will be the responsibility of the supplier to deliver the ordered materials and installed the systems in the Dept. of Life Science and Bioinformatics, Assam University Diphu Campus, Diphu, Karbi Anglong, Assam.
- All required materials for satisfactory installation are to be provided by the supplier at their own cost.



### **Section-III**

#### **BID Security and Performance Security**

1. Except the valid and prescribed BID Security Deposit (Earnest Money Deposit) as per the clause stated in Section-1, the offer/tender will be treated as cancelled.
2. No interest is payable on the BID SECURITY DEPOSIT AMOUNT.
3. The bid security will be returned to the unsuccessful bidder. It will be returned to the successful bidder after receipt of the performance Security Deposit from them.
4. In case of withdrawals or amends or impairs or derogates or non-compliance of Tender condition(s) of the offer in any respect within the validity period of the tender or refusal of furnishing PERFORMANCE SECURITY DEPOSIT in the event of getting intimation of awarding the Purchase Order, the BID SECURITY amount is liable to the forfeited.
5. The successful bidder, irrespective of its registration status (ie. NSIC or DGS & D), is to submit Performance Security Deposit amount 10% of the order value before issuing Purchase Order.  
This Performance Security Deposit should remain valid for a period of 60 days beyond the date of completion of all contractual obligation of the supplier including warranty period.
6. Performance Security Deposit is to be furnished in way of Bank Guarantee in the form to be provided later. In case of non-delivery of the ordered materials in time or/and for any other bad delivery performance or/ and failure to render contracted service during warranty period (summarily noncompliance of due performance of contract by the supplier to whom order has been awarded), the Performance Security Deposit will be forfeited.
7. The Performance Security Deposit amount will be returned to the supplier after satisfactory completion of the delivery as well as the warranty period of the delivered stores as per terms and conditions of the Purchase Order.



**ANNEXURE-I**

**COMPLIANCE CERTIFICATE**

**(A certificate of compliance to NIT terms to be enclosed in the Technical bid)**

<b>Sl.No.</b>	<b>NIT Terms and Condition</b>	<b>Yes/No</b>
01	<b>Rate</b> quoted as per instruction	
02	<b>AMC rate</b> after warranty provided	
03	<b>Validity</b> of quoted rate for 120 days agreed	
04	<b>Security Deposit i.e. EMD</b> submitted (appropriate certificate enclosed)	
05	<b>Performance Security in the form of PBG</b> term agreed	
06	<b>Payment</b> term agreed	
07	<b>Delivery terms</b> agreed	
08	<b>Warranty period</b> agreed	
09	<b>Literature</b> : Printed Literature provided	
10	<b>Dealership/ distributorship</b> certificate (in case of dealers/agents) provided	
11	<b>Sales Service</b> : address of after Sales Service centre in India provided	
12	<b>Manufacturer</b> certificate provided	
13	<b>ISO/ISI</b> certification provided	
14	<b>Applicable Law</b> terms agreed	

**Sign** :.....

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

**Official seal of the Bidder/Firm**



**ANNEXURE-II**

**Rate quotation for supply & Installation of laboratory equipments**

Sl. No	Name of the Equipment	Quantity	Make / Model	Rate per Unit (Rs.)	GST@	Total Price per Unit	Grand Total (Rs.)
1	Micro-Pipette set						
2	Gradient Thermal Cycler						
3	CO2 Incubator						
4	Vertical Electrophoresis Unit with western blotting Wet transfer, Power Pack and Horizontal Electrophoresis						
5	Horizontal Laminar Air Flow						
6	Liquid N2 Tank						
7	Freezer						



Department of Life Science and Bioinformatics  
 Assam University Diphu Campus  
 (A Central University established by an act of Parliament)  
 Diphu-782 462, Karbi Anglong, Assam, India

NIT No: AUCD/LS-55/DST-SERB Project/1/2017

Date 27/02/2018

8	<b>Cell Culture chamber Set Up System (including all the )</b>						
	<b>10X10X12 ft Glass partition</b>						
	<b>Burner</b>						
	<b>Vortex Mixture</b>						
	<b>Microcetrifuge</b>						
	<b>pH meter</b>						
	<b>Hot Plate</b>						
	<b>Refrigerator</b>						
	<b>Micro wave oven</b>						
9	<b>Laptop , Printer Scanner,</b>						

Note: AMC for one year after the warranty period should be quoted separately for all equipments together as a package.

**Sign** :.....

**Vendor: M/s**.....

**Official seal of the vendor**



NIT No: AUGC/LS-55/DST-SERB Project/1/2017

Date 27/02/2018

**ANNEXURE – III**

**PERFORMANCE BANK GUARANTEE**

To:

The Registrar,  
 Assam University Silchar  
 Silchar 788011

WHEREAS.....(Name of Supplier) hereinafter called “the Supplier” has undertaken, in pursuance of contract No:....., dated..... 20..... to supply.....

(Description of Goods and Services) hereinafter called “the order”.

AND WHEREAS it has been stipulated by you in the said order that the supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the order.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of ..... (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the order and without cavil or argument, any sum or sums within the limit of ..... (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the .....day of .....20.....

Signature and Seal of the Guarantors

.....

.....

.....

Date.....20....

Address .....

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.....