



**Department of Life science and Bioinformatics,
ASSAM UNIVERSITY, SILCHAR**

(A Central University constituted under the Act of Parliament of India in 1994)

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www.aus.ac.in

INVITATION FOR TENDER

Ref. No. BT/PR16530/NER/2015/Equipment/01 dated 14/08/2017

Assam University, Silchar, a central university invites sealed Tender from reputed manufacturers/ authorized distributors / authorized firms with sound technical capabilities for supply, installation and commissioning of the following items to be procured under DBT twinning project in the Department of Life science and Bioinformatics, Assam University, Silchar. The quotations will be opened at **12:00 pm on 19/09/2017**. Detailed technical specifications including make/model/accessories and price including taxes should be quoted against each item separately. All terms and conditions will be as per Assam University, Silchar rules, regulations and decisions.

Serial No.	Particulars of the equipments with minimum specifications
1	<p>Mupid Gel Electrophoresis Unit</p> <p>Electrophoresis tank:</p> <ul style="list-style-type: none">• External dimensions: 183 mm x 164 mm x 56 mm (W x L x H)• Buffer volume should be minimum 330 mL• Material: UV-transparent plastic (transmission: 50% at 254 nm, 80% at 312 nm) <p>Safety Lid:</p> <ul style="list-style-type: none">• External dimensions: 197 mm x 169 mm x 38 mm (W x L x H)• Material: UV non-transparent <p>Power supply:</p> <ul style="list-style-type: none">• In-built Power Supply• External dimensions should be 64 mm x 164 mm x 59 mm (W x L x H)• Input: AC100-240 V, 50/60 Hz• Output: 18V, 25V, 35V, 50V, 70V, 100V, and 135V• Timer function: 0-99 min. and continuous power distribution (suspendable)• Memory function should automatic store the previous settings• Safety function: Confirmation of cover placement by a light sensor <p>Gel Tray:</p> <ul style="list-style-type: none">• Gel maker stand for (1 unit): 149 mm (W) x 125 mm (L) x 20 mm (H)• Overall dimension of Large tray for (1 tray): 130 mm (W) x 122 mm (L) x 24 mm (H)• Overall dimension of Small tray for (2 trays): 130 mm (W) x 59.5 mm (L) x 16.5 mm (H)• Quantity: 2 small Gel Trays; 1 Large Tray <p>Comb:</p> <ul style="list-style-type: none">• Multiple number of wells: 13 – 26 wells (13wells: 9mm spacing 26wells: 4.5mm spacing)• Quantity: 4 (supports making 13 or 26 wells)

2	<p>Incubator Shaker Temperature Controlled</p> <ul style="list-style-type: none"> • Control System should be Micro controller based temperature indicator cum controller with digital display and PT 100 sensor • Should have Alarm Audio Visual Alarm if the temperature deviates from the preset temperature • Refrigeration System should be Hermetically Sealed CFC Free Emerson compressor. • Should have Air Circulation Motor and blower arrangement to have uniformity of Temperature under loaded condition. • Should have Heating System U shaped S.S. Nichrome wire air heaters. • Should have Insulation 3” Thick CFC free PUF Insulation. • Should have Lighting Interior illumination for working area. • Observation Door should be Inside see through unbreakable acrylic door • Should have MCB and Heavy duty latch with lock & key • Power should work on 230 V AC single phase 50Hz. • Should have Certifications. • Should have IQ, OQ, PQ documents with material test certificates and calibration reports • Temperature Accuracy should be ± 0.5 °C or better • Timer 1-99 hrs • Motor Should be brushless Induction Motor • Drive should be VFD (Variable Frequency Drive) • Amplitude should be minimum 50 mm or better • Should have Inner Stainless steel 304, 0.8 mm & Outer mild steel, 1.0 mm powder coated • Minimum capacity should be minimum 150 L or more • RPM should be 30-350 or better • Temp range 5°C to 60°C • Similar Installation reports to be attached with technical bid with user contact details. •
3	<p>Horizontal Laminar Flow Cabinet</p> <ul style="list-style-type: none"> • Working Size should be minimum 2' x 2' x 2' • Work Table Should Stainless Steel (304). • Should have Filter Type HEPA filter with Efficiency 99.99% or better. • Particle Retention should be 0.3 Micron. • Should have Cleanliness Class 100. • Air flow velocity should be 0.3 – 0.5 m/s. • Blower-motor assembly should be dynamically balanced. • Should have Illumination of work surface Fluorescent tube light. • Noise level should not be more than 65 decibel. • Should have Static pressure measurement with Gauge. • Should have Pre Filter Disposable, Non washable polyester fiber. • Should have Ultra violet tube light, 30 Watt. • Should have shattered proof Glass door. • Should have MCB. • Power Works on 230 V AC single phase 50Hz. • Must have Certifications. • Should be supplied with Material Test Certificates and Calibration reports. • Should have minimum 1 year onsite warranty. • Similar Installation reports to be attached with technical bid with user contact details.
4	<p>Computer Workstation for High-throughput data analysis</p> <ul style="list-style-type: none"> • Processor: Intel Xeon E series or higher/ Intel Core i7, 8 core or higher, above 3 GHz • RAM should be minimum 16-32 GB DDR4 or higher • GPU: 2 GB • Hard Drive: 1 TB 7200 rpm

- Optical Drive: DVD-RW
- USB Wired Keyboard & Mouse should be high quality
- Operating System should be Win 10 pro
- System should support dual operating function both Linux/Windows. System should support wifi connectivity, Bluetooth, USB 3.0 or higher, HDMI, Serial connector and other essential ports and accessories.
- Online UPS should be 2kb and better
- Monitor should be 26 inch or higher/ 22 inch dual monitor with single stand
- Warranty should be 2 years and above

NB: The above few mentioned specifications are important as per our requirement. If supplier interested to quote assemble product then details should be mentioned for each and every parts. Build quality should be high standard with reliable products.

TERMS and CONDITIONS:

1. The tenders complete in all respects should be addressed to **Prof. Sanjib Kumar Panda, Principal Investigator ,Department of Life science and Bioinformatics, Assam University, Silchar-788011, India.**
2. The tenders for equipments must be submitted in two-bid system (Technical and Financial). **The tenders shall be submitted item-wise in two separate sealed covers clearly mentioning on the envelope the details of items for which bid is submitted.** The format for the same is enclosed in the Annexure. ONLY TECHNICALLY accepted competitive bids will be considered for placing Purchase Order. **Last date and time for receipt of Tenders: 18/09/2017 during the office hours up-to 5.00 pm. Date of opening Tenders: 19/09/2017 at 12:00 pm.**
3. The technical bids should include all the specification for each part complete with part numbers of main equipments and accessories. **The technical details should be supported by original brochure/documents for each component.**
4. Tenders by e-mail, Fax, Telex, Telegram will not be accepted. Tenders must be submitted in sealed envelope only clearly indicating **“TENDER FOR ITEMS FOR BT/PR16530/NER/2015/Equipment/01 dated 14/08/2017”** addressed to undersigned. The university shall not be responsible for any delay in receiving tenders.
5. In case of any modification in specifications / terms and conditions / any clarification to the bid document, it will be hosted in the university website only and the bidders are requested to log to our website from time to time and no separate corrigendum will be issued in this regard.
6. The rate should be exclusive of taxes and applicable tax should be clearly indicated. The rates should be quoted along with supporting documents of specifications, technical features, list of users and authorized dealership documents (if applicable).
7. **A certificate from vendors mentioning the place of manufacturing of the all the components of the equipment along with a certificate that the equipment supplied is new without any defect must be supplied to qualify for Technical bid.**

8. AFTER SALES SERVICE: Details of availability of after sales support will have to be furnished. The offer shall clearly state full details of the service after sales facility available for the equipment. The details shall include & qualification of service personal stationed at the service centre, response time in case emergency, availability of spares, etc. The offer shall also give the amount and other terms & conditions for annual service contract of the equipments after the expiry of the guarantee/warranty period.
9. **The university is exempted from paying Customs and Excise duty.**
10. Proprietary items should be quoted with sole Manufacturer / Dealership certificate. Without dealership or manufacturer's certificate no bids will be accepted.
11. No advance payment will be made. However, if items are of foreign origin, advance payment can only be made in the form of vide LOC/FDD/Wire Transfer. **Performance Bank Guarantee must be submitted as per rules covering warranty period.**
12. **Items of foreign origin should have insurance up to installation site.**
13. If any item / equipment delivered in damaged condition, the equipment should be replaced with new one immediately.
14. Items of foreign origin should have insurance up to installation site. In case of equipment of foreign origin, the Indian dealer/agent should submit one undertaking on non-judicial stamp paper, stating that if any equipment delivered in damaged condition they will be liable to replace the same with a new one (applicable only when order is placed).
15. The invitation for bid is open to all OEM (original equipment manufacturer) or their authorized dealers. The principal company may authorize their dealer to participate in the quotation and authorization letter must be attached with the quotation document.
16. Copies of valid Central/State sales tax registration certificate, Income tax clearance certificate, proof of manufacturing unit/dealership & general order suppliers and copies of two major supply orders executed during the preceding two years for Govt. depts. /PSUs and Central Autonomous bodies have to be submitted.
17. The equipment will have to be installed by the supplier /Agent in the Department of life-science & bioinformatics within 4 weeks, from the receipt of equipment, free of charges.
18. Price quoted for the material/equipment shall be firm and valid for 60 days from the date of opening.
19. Tenders not conforming to the terms and conditions and procedure so outlined or Tender incomplete in any respect is liable to be summarily rejected. The university reserves the right to accept or reject any or all the bids without assigning any reason whatsoever.
20. Special discount/rebate: Special discount/rebate admissible to Educational Institution/Central University may be specifically indicated in the quotation.
21. If there be any dispute, it will be referred to an arbitrator to be appointed by the University for his decision and award. The award or decision of the arbitrator shall be final and binding on both parties.

Those bidders, who accept the above terms and conditions, may submit their tenders in the prescribed format along with all relevant documents/brochures to the undersigned. The tender must also submit a certificate in their official letter head duly signed and sealed stating that all above terms and conditions are acceptable to them.

Sd/-
Prof. Sanjib Kumar Panda
Principal Investigator, DBT Twinning Project
Department of Life science and Bioinformatics,
Assam University, Silchar-788011, India.

Copy to:

1. Copy to Secretary to VC, AUS for VC's kind information
2. The Registrar, AUS
3. The Finance Officer, AUS
4. Internal Audit Officer, AUS
5. Director, Computer Centre, AUS for uploading in the university website (www.aus.ac.in)
6. File for record

PROFORMA FOR SUBMISSION OF TECHNICAL BID (TB)

From

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To,

Prof. Sanjib Kumar Panda
Principal Investigator, DBT Twinning Project
Department of Life science and Bioinformatics,
Assam University, Silchar-788011, India.

With reference to your advertisement dated _____ and posted at Assam University Website, I / We hereby submit the Technical bid for the _____ required by you. I / We confirm that I / We are the owners /authorized person to offer you the item as per the desired specifications.

Fill the appropriate table as applicable for the items separately

1. Mupid Gel Electrophoresis Unit

S.NO	TECHNICAL SPECIFICATION	DETAILS TO BE FILLED BY BIDDER
1	External dimensions of Electrophoresis tank and safety lid	
2	Buffer Volume	
3	Material	
4	External dimension of	
5	Power supply (Input, output, memory, timer)	
6	Gel tray	
7	Comb	
8	Any other	

2. Incubator Shaker Temperature Controlled

S.NO	TECHNICAL SPECIFICATION	DETAILS TO BE FILLED BY BIDDER
1	Micro processor based control system	
2	Audio Visual Alarm	
3	Refrigeration System	
4	Air Circulation Motor and blower arrangement	
5	Heating System	
6	Interior illumination	
7	Insulation	
8	MCB and Heavy duty latch	
9	Observation door	
10	Temperature Accuracy	
11	Power	
12	Timer	
13	Any other	

3. Horizontal Laminar Flow Cabinet

S.NO	TECHNICAL SPECIFICATION	DETAILS TO BE FILLED BY BIDDER
1	Size	
2	Work Table	
3	Filter Type	
4	Particle Retention	
5	Air flow velocity	
6	Ultra violet tube light	
7	Noise level	
8	MCB	
9	Power Supply	
10	Any other	

4. Computer workstation for high-throughput data analysis

S.NO	TECHNICAL SPECIFICATION	DETAILS TO BE FILLED BY BIDDER
1	Processor	
2	RAM	
3	GPU	
4	Hard Drive	
5	Optical Drive	
6	USB Wired Keyboard & Mouse	
7	Operating System	
8	Online UPS	
9	Monitor	
10	Warranty	

Date:

(Signature of the Offerer)

OFFICE SEAL

(This format shall be sent in a separate sealed cover super scribing - **"TECHNICAL BID FOR EQUIPMENT_____ for Ref No BT/PR16530/NER/2015/Equipment/01 dated 14/08/2017)**)

PROFORMA FOR SUBMISSION OF FINANCIAL BID (FB)

From

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To,

Prof. Sanjib Kumar Panda
Principal Investigator, DBT Twinning Project
Department of Life science and Bioinformatics,
Assam University, Silchar-788011, India.

Having read and understood the Technical bid, I am / We are furnishing the desired information and submitting our Technical Bid duly signed by our Authorized person. Now we hereby submit (in separate sealed cover) our Financial Bid for the purchase of equipments.

Please fill up for the items mentioned separately, whichever is applicable:

S.NO	SPECIFICATION ITEMS	DETAILS TO BE FILLED BY BIDDER
1	Name of the equipment with model no. etc	Price in /\$/Other currency whichever is applicable (Please mention separately the price of the items, accessories, insurance, etc. under separate heads)
2	Applicable taxes	To be included
3	CIF of FOR Silchar	To be included
4	Special Offer/ Discount	To be included
5	Grand Total	Price in INR/\$/Other currency whichever is applicable
6	Terms and condition	As applicable
7	Warranty and after sales service	As applicable
8	Banking Details (For foreign items)	To be included

Date:

(Signature of the Offerer)

OFFICE SEAL

(This format shall be sent in a separate sealed cover super scribing - "**FINANCIAL BID FOR EQUIPMENTS _____ for Ref No BT/PR16530/NER/2015/Equipment/01 dated 14/08/2017**)