

# Alipurduar University



P.O. Alipurduar Court  
Dist Alipurduar  
Pin 736122

## Notice Inviting e-Tender- 1728 /R / 2023

e-Tenders are invited from reputed Vendors for supply and installation of Lab. equipments in the Department of **Zoology**, Alipurduar University, P.O. Alipurduar Court, Dist. Alipurduar, PIN- 736122. For details please visit <https://wbtenders.gov.in>

Sl. No.	Item	Earnest Money	Completion Time
1.	As Per Annexure-I	20,000/-	15 days from the date of issuance of supply order

### **TERMS AND CONDITIONS:**

- 1) The base price and GST shall be shown separately
- 2) Taxes will be deducted at source as per prevailing rules of Central and State Government.
- 3) The terms and conditions of payment shall be declared clearly.
- 4) Copy of current year Trade License, PAN card, GST registration certificate shall be accompanied with the technical bid documents. [Non Statutory Documents]
- 5) The vendor shall submit authorization certificate from OEM along with the technical bid.(Non Statutory documents).
- 6) The vendor shall provide Company details as per Annexure-II.
- 7) The vendor shall have credential of supply of similar equipments in any University / institution / Govt. Organization. Copy of credential certificate shall be submitted along with technical bid (Non Statutory documents).
- 8) The vendor shall clearly state the pre-installation requirements and take all responsibilities to arrange the same.
- 9) The equipment shall carry minimum 3 (Three) year on site warranty from the date of installation.
- 10) The service engineer shall attend the call within 24 hrs for trouble shooting to be done on no wait basis.
- 11) The successful tenderer shall complete the installation of the equipment within 15 (Fifteen) days from the date of issuance of the supply order.
- 12) A sum of Rs.20,000/- shall be deposited to the under noted account of the University through RTGS as earnest money and the copy of receipt challan of RTGS with UTR number shall be accompanied with the technical bid document (Statutory Documents) failing which the tender paper will be treated as cancelled. The earnest money of the unsuccessful quotationer (s) will be refunded without interest after one month of the opening of tender paper and the same of the successful candidate will be refunded without interest after three months of the satisfactory installation of the equipment subject to redressal of complaint, if any.

Name of the A/c: Alipurduar University

Account Number: 39902163065

IFSC Code: SBIN0000005

- 13) The University authority reserves the right to accept or reject any/all quotations.
- 14) The quotation should be valid up to 31.03.2024.
- 15) The brochure /catalogue of the equipment shall accompany the technical bid documents (Non Statutory documents).
- 16) Selection of the agency will be made on the basis of both technical and financial bids. Technical bids and financial bids shall be submitted by online only. Offline submission of tender paper will not be accepted.
- 17) 92% of the total order value shall be released after the successful installation / commissioning of the equipment against the submission of the test report duly certified by the concerned authority. The remaining 8% of the bill value shall be deducted and kept aside as security deposit which will be paid after 3(three) months from the date of satisfactory installation, subject redress of complaints, if any
- 18) The last date of submission of tender form is upto 12.09.2023 at 3.00 P.M. and to be opened on 14.09.2023 at 4.00 P.M.
- 19) The tenderers may remain present at the opening of tender.
- 20) All cases of disputes not covered under the terms & conditions of Tender will be referred to the Vice-Chancellor for a decision which shall be final and binding on both the parties.
- 21) For any clarification regarding tender please contact with the Dr. Kumar Basnet, Head of the Department, Zoology, Alipurduar University. (Tel. 9046952768) email Id- kbasnett@rediffmail.com, Alipurduar University.
- 22) Date & Time Schedule

<b>SI NO</b>	<b>Particulars</b>	<b>Date &amp; Time</b>
1	Publishing of Tender	<b>04.09.2023</b>
2	Documents download/sell start date (Online)	<b>04.09.2023 FROM 6.00 P.M.</b>
3	Bid submission Start Date	<b>04.09.2023 FROM 6.00 P.M.</b>
4	Bid Submission End Date	<b>12.09.2023 UP TO 3.00 P.M.</b>
5	Technical Bid Opening	<b>14.09.2023 AT 4.00 P.M.</b>
6	Offline Submission	<b>NO OFFLINE SUBMISSION WILL BE ACCEPTED</b>
7	Financial Bid Opening	<b>To be notified</b>

Registrar (Additional Charge)  
Alipurduar University

### List of Lab. equipments along with specification

Sl. No.	NAME OF THE INSTRUMENT WITH SPECIFICATIONS
1.	<p><b>COLORIMETER DIGITAL SPECIFICATIONS:</b></p> <p>Wavelength Range : 400-700nm with 9            Filters Peak wavelength (Typical) : 410,430nm, 470nm,490nm,520nm,540nm, 580nm, 610nm,700nm            Measuring Modes : %T, Abs, Conc &amp; K-factor            Photometric Resolution : 0.1% T, 0.001Abs upto 1.999 Abs (O.D)            Display : 2 Line 16 Character LCD k-Factor Range : 0 to 1999            Concentration : 0 to 2 times the absorbance Memory : Data can be stroed in memory Sample Volume :1ml in 4 ml test tube/cuvette Source :White LED            Detector : Hermetically Sealed Photodiode            Printer Port Epson Compatable 80 colums D.M.Printer Power : 230V <math>\pm</math> 10%, 50 Hz Dimension :160 (W) X 200 (D) X 100 (H) mm Weight : 1.5 Kgs (Approx)            Accessories should include : A) Four Tube B) Two Glass Cuvette</p>
2.	<p><b>HORIZONTAL ELECTROPHORESIS SYSTEMS WITH POWER PACK SPECIFICATIONS:</b></p> <p>DNA Gel Electrophoresis Equipment with Power Pack for Power Supply , Mini horizontal electrophoresis system, should include 8- and 15-well combs, 7 x 10 cm UV- transparent tray, mini-gel caster. The Mini-Sub cell GT cell should be able to resolve up to 30 samples and should allows 7 and 10 cm runs with speed, simplicity, and economy.</p> <p>Power Pack for Basic Power Supply            Output specifications: 10–300 V, fully adjustable in 1 V steps 4–400 mA, fully adjustable in 1 mA steps 75 W (maximum) Type of output: Constant voltage or constant current with automatic crossover Output terminals: 4 pair recessed banana jacks in parallel Timer control: 1 min–99 hr 59 min, fully adjustable Pause/resume function: Yes Display: 3-digit LED Operating conditions: 0–40°C; 0–95% humidity in absence of condensation Safety compliance: EN61010 Safety features: No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection Input protection: Fuse on hot and neutral Dimensions (W x D x H), cm/in: 21 x 24.5 x 6.5/8.3 x 9.6 x 2.6 Weight, kg/lb: 1.1/2.4</p>

3	<p><b>VERTICAL ELECTROPHORESIS MINI TETRA CELL, 4-GEL, FOR 1.0 MM THICK HANDCAST GELS, WITH POWERPACK SPECIFICATIONS:</b></p> <p>Mini Tetra Vertical Electrophoresis System to cast and run 1–4 mini gels. Run Mini Precast Gels, Ready, or handcast polyacrylamide gels Handcasting set for gels 1.0 mm thick. The complete polyacrylamide gel electrophoresis system should contain: Tank, lid with power cables, electrode assembly Mini cell buffer dam casting stands with 4 casting frames 5 short plates and 5 spacer plates with integrated 1.0 mm spacers. The Power Pack Basic Power Supply should offers simple programming, timer control, constant voltage or constant current output, and the ability to pause and resume a run.</p>
4	<p><b>COOLING CENTRIFUGE SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• System should have a Maximum Speed of 15,060 rpm/21,300 x g with a brushless motor and user defined RPM or RCF setting</li> <li>• Temperature range should be from -10°C to +40°C and should be able to maintain 4°C at maximum speed</li> <li>• System should have timer settings from 10sec to 9:59 h, with continuous run function</li> <li>• System should have a maximum capacity 10 x 5 mL tubes</li> <li>• Rotor must be metallic and withstand autoclaving at 121°C for 20 mins</li> <li>• System should also have the provision to use both fixed angle and swing bucket rotor</li> <li>• provision for adaptersto support tube formats like 0.2mL, 0.5 mL should be available</li> <li>• Rotor lids should have a QuickLock-system for secure lid closing and opening</li> <li>• Aerosol tightness of the rotor should be certified by a third-party agency</li> <li>• System should be possible to operate the rotor even without rotor lid</li> <li>• System should have fast temperature function for rapid cooling of centrifuge</li> <li>• System should have an in-built condensate drain to prevent water accumulation inside the stainless rotor chamber to avoid</li> <li>• System should have automatic shut off function of the compressor to reduce energy consumption and to extend compressor life when not in use for long hours</li> <li>• System should be able to start the timer count only when the set centrifugation RPM is reached, to support the short spin protocols</li> <li>• System should possess a separate short spin key with defined maximum speed for brief spin</li> <li>• System should be possible to operate the centrifuge at set rpm, for short spin protocols</li> <li>• System should possess dedicated softfunction to perform gentle acceleration and deceleration to enhance sedimentation</li> <li>• System must have finished time function to indicate time since centrifugation complete</li> <li>• System should support quite operation in work place with noise levels &lt;54 dB(A)</li> <li>• System must have an emergency lid opening in the front side</li> <li>• System should have bright digital display with LCD only</li> <li>• Instrument should be European CE Certified</li> <li>• System must have an USB-port for service maintenance</li> <li>• Warranty of at least one year from the date of successful installation in the lab Rotor required:</li> <li>• Fixed angle rotor for 24 x 1.5 /2.0 mL tubes with aerosol tight lid with maximum of 15,060 rpm and 21,300 x g</li> </ul>

	<ul style="list-style-type: none"> <li>• Tube capacity: 24 x 1.5 /2.0 mL tubes</li> <li>• Rotor and rotor lid must be made of metal</li> <li>• Rotor with Aerosol-tight lid and supporting quick locking</li> </ul>
5	<p>-20<sup>0</sup> Deep Freezer</p> <p><b>SPECIFICATIONS</b></p> <p>Robust construction for heavy duty use Corrosion-resistance body Tropicalised for high ambient temperatures Twin-door larger capacity models to avoid cooling loss Locks system High density PUF insulation for better holding time Highly energy-efficient compressor Eco friendly cyclopentane foaming PUF insulation Gross Capacity : 420 Ltr Temperature Range: - 20 Oc Power Supply : 230V/Single Phase/ 50Hz Refrigerant : R134A No of Door/Lids : 2 Nos Inner Chamber WxDxH : 1945x825x839mm Net wet : 85 kgs</p>
6	<p><b>TRINOCULAR MICROSCOPE PLUS LED WITH DC5 CAMERA</b></p> <p><b>SPECIFICATIONS</b> : standard microscope set complete with built-in LED halogen light illuminator with regular power supply, quadruple ball bearing nosepiece, co-axial coarse and fine focusing controls, high resolution Semi-Plan Achromat objectives 4x, 10x, 40x (spring) and 100x (spring,oil immersion), 360deg rotatable inclined binocular tube, fungusresistant optics for tropical use, widefield paired eyepiece HWF10x(F.N.18), right hand control co-axial low drive mechanical stage and rack &amp; pinion focusable Abbe condenser 0.9/1.25 N.A with iris diaphragm complete set. 5MP CMOS CAMERA</p> <p><b>MAGCAM DC 5 WITH EYEPIECE ADAPTER</b></p> <p>Camera Casing- Metal Alloy, Camera Dimension- 60 X60X40 mm, Image sensor- CMOS 5.1 Mp, Sensor Size- ½.5”, Pixel size- 2.2 X 2.2 micron, Resolution (Max)- 2592 X 1944 Pixels, Frame Rate- 5@2592 X1944,18@1280X960,60@640X480, Dynamic range- 66.5dB, Signal/Noise ratio- 40.5dB, Bining- 2X2, 4x4, Exposour time- 0.29ms to 2000ms, Spectral Range 380-650nm with IR filter, Software: Operating System Win Xp/Vista/7/8/10 (32,64 bit), software MagVision, Image format- JPG/TIF/BMP/PNG,</p>
7	<p><b>DIGITAL BALANCE</b></p> <p><b>SPECIFICAIONS</b></p> <p>Precision Analytical Balance (2 decimal)</p> <p>CAPACITY : 620g</p> <p>Redability :0.01g (10mg)</p> <p>External Calibration</p>
8	<p><b>DISSECTING MICROSCOPE-BINOCULAR</b></p> <p><b>SPECIFICATIONS</b></p> <p>STEREOSCOPIC BINOCULAR MICROSCOPE (Incident light halogen/Transmitted light fluorescence) Complete with paired widefield eyepiece 10x (F.N.23) with in-built Light Stand (Incident : 6V10W Lamp / Transmitted : 5 W Fluorescence Lamp)complete set with turret mounted (2x &amp; 4x ) in-built objectives or with turret mounted (1x &amp; 3x) inbuilt objectives</p>
9	<p><b>DOUBLE DISTILLATION UNIT SPECIFICATIONS:</b></p> <p>table Boiler Panel Series, Vertical 1.5 Litr 1/hour</p>

10	<p><b>MICROSCOPE-COMPOUND (HB)</b>  <b>SPECIFICATIONS</b>  All metal rugged Stand with individual Coarse &amp; Fine Focus drive with focus stop, Maintenance Free ECO LED illumination including Battery backup with regulating intensity control for 220V/50Hz, movable Achromatic Condenser 0.90 NA with aperture iris diaphragm, 115 X 125 mm double plate Mechanical Stage with coaxial XY Drive knobs, Quadruple revolving nosepiece, Achromatic objectives 4x, 10x, 40x (spring), 100x (spring, Oil imm.), 360° rotatable 45° inclined Monocular head with Widefield Eyepiece 10x/18 lockable, dust cover complete set.</p>
11	<p><b>MICROSCOPE-COMPOUND</b>  <b>SPECIFICATION</b>  <b>MONOCULAR MICROSCOPE</b>  All metal rugged Stand with individual Coarse &amp; Fine Focus drive with focus stop, Maintenance Free ECO LED illumination including Battery backup with regulating intensity control for 220V/50Hz, Achromatic Condenser 0.65 NA with aperture iris diaphragm, 110 X 120mm stage with clips, Quadruple revolving nosepiece, Achromatic objectives 4x, 10 x, 40x (spring), 360° rotatable 45° inclined Monocular head with Widefield Eyepiece 10x/18 lockable, dust cover complete set.</p>
12	<p><b>MICROSCOPE-PROJECTION SPECIFICATIONS:</b>  Advanced Laboratory Trinocular Microscope Model mlxi-PLUS LED: complete with built-in LED illumination with universal SMPS power supply for mains supply 100V~240V, quadruple ball bearing inward nosepiece, co-axial coarse and fine focusing control, high resolution Infinity corrected Super Plan Achromatic Objectives 4x, 10x, 40x (spring), 100x oil (spring), 360deg rotatable inclined Siedentopf Binocular observation tube, fungus resistant coated optics for tropical conditions, widefield paired eyepiece WH10x (F.N.20), right hand control co-axial low drive mechanical stage, rack &amp; pinion drive focusable Abbe condenser 0.9/1.25 N.A with iris diaphragm and with blue Filter.  Features : Plan Infinity Optics, Excellent Field Flatness, F.N.20, Siedentopf Head, hard coated stage with double slide holder, Easily replaceable lamp, Inward facing nosepiece, upper focus limit stopper to prevent accidental damage to objectives, Universal Power supply ensures constant voltage &amp; International standard Quality manufacture  MagCam HD Pro (with 0.5X C-Mount Adapter)  6 Mega Pixel HDMI CMOS Digital Camera with sensor size of 1/2.8", built in dual core processor, Resolution: 3264 X 1840, Frame rate: 1920 X 1080 @60 fps via HDMI &amp; 1920 X 1080 @ 30 fps via USB , 1080 p @ 30 fps for Videorecording, built in calibration and measurement function, built in mouse control, noise reduction function, exposure setting from 0.001 sec - 10 sec., Image comparison function , output port: HDMI, USB 2.0, SD Card, compatible with Windows 7 / 8 (32/ 64 bit) , basic setting: Gain, Gamma, Contrast, Auto white balance, optical Port : C-Mount  Packing included: 6 MP HDMI Camera, HDMI Cable, Mouse, 4 GB SD Card, Power adapter, calibration slide &amp; 0.5x C-Mount adapter</p>
13	<p><b>MICROTOME KNIFE SHARPENER</b></p>
14	<p><b>PH METER (PORTABLE )</b></p>

15	<p><b>PC-BASED DOUBLE BEAM UV-VIS SPECTROPHOTOMETER WITH SOFTWARE SPECIFICATIONS</b></p> <p>PC Based Double Beam</p> <p>Automatic source optimisation, Base line calibration &amp; Cell optimisation</p> <p>200 – 1100 nm Range</p> <p>2.0 nm Bandwidth</p> <p>%T, Abs, Conc. (K factor, Multi standard), Multi component measuring modes</p> <p>Single Wavelength, Multi Wavelength, Scan (with multi scan facility), Time Scan, Kinetic scan operating modes</p> <p>Automatic 5 position sample changer Single Position 50/100 mm Cuvette Holder (Optional)</p>
16	WESTERGREEN PIPETTE
17	WESTERGREEN PIPETTE RACK

**BIDDERS DETAILS****(To be provided on company letter head)**

NIT NO.:

TENDER ID:

1	NAME OF THE BIDDER	
2.	ADDRESS	
3.	CONTACT NUMBER	
4.	CONTACT PERSON	
4.	EMAIL ID	
5.	BANK DETAILS A/c Name A/c Number Name of the Bank Name of the Branch IFSC	

Authorized Signatory(with seal &amp; Stamps)