

**TENDER NOTIFICATION**

The Head, CLPC, Sri Adichunchanagiri Shikshana Trust invites closed tenders from eligible tenderers or bonafide licensed manufacturers (OEM) or their authorized local supplier/ dealer/ distributor in the state of Karnataka for the **Procurement of Equipment for B.Sc. and M.Sc. Programs at Adichunchanagiri School of Natural Sciences, BG Nagara-571448.** as per section I & II.

01	Name of the work	Procurement of Equipment for B.Sc. and M.Sc. Programs at Adichunchanagiri School of Natural Sciences, BG Nagara-571448.
02	Last Date for Tender Submission	On or before 31.10.2025 before 5.30 PM

Section-1**Instructions to Tenderers**

- The Tenderer shall submit the bids (Technical & Financial bids) through the mail id: **clpchead@bgscet.ac.in** on or before the last date of tender submission (for any or all list of items) on professional business letterheads only. The details to be printed on the letter head is as follows
 - Tender for Procurement of Equipment for B.Sc. and M.Sc. Programs at Adichunchanagiri School of Natural Sciences, BG Nagara-571448.
 - Tender Reference number.....[Insert Number]
 - Address to "The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshmiapuram, Bengaluru – 560086"
 - The tenderer shall submit the original documents to this office on the last day of submission for verification who prefers to submit the tender through Post can dispatch the same through Registered post / Speed post or Couriers as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, Head of CLPC will not be liable or responsible for the same.
- Tender Currency:** Prices shall be quoted in Indian Rupees only.
- AMC/CMC (IF ANY)** is subject to the Sri Adichunchanagiri shikshana trust's norms.
- Warranty:** 3 Years.
- Amendment of tender documents:** At any time prior to the deadline of submission of tenders the trust may, for no reason, whether as its own initiative or otherwise modify the tender documents by amendment. Sri Adichunchanagiri Shikshana Trust reserves



all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.

- 6) **Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 years of ITR declaration inside the envelope and the company contact details with email id on the in the below mention format in annexure - 1.
- 7) **Tender Prices:** Prices indicated on the price schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and the other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if the contract is awarded. Conditional tenders will not be considered. The bidder has to give the quotation in the below enclosed format in annexure - 2.
- 8) **Validity of the Bid:** 90 days from the last date of submission of bid.
- 9) **Corrupt or Fraudulent practices:** Sri Adichunchanagiri Shikshana Trust requires that the tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In purchase of this policy:
 - a) Will reject a proposal for award if it determines the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 - b) Will declare a firm ineligible, either indefinitely or for the stated period of time, to be awarded a university contract if it any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a trust contract.
- 10) **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of contract will not be disclosed to tenderers or any other persons not officially concerned with such process until the award to the successful tenderer has been announced. Any effort by a tenderer to influence the employer's processing of tenders or award decisions may result in rejection of his tender.
- 11) **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of tenders the employer may, at his discretion, ask and tenderer for clarification of his tender, including breakdowns of unit rates. The request for clarification and the response shall be writing or by cable, but no change in the price or substance of the tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the employers in the evaluation of the tenders.
- 12) **Delivery:** The successful BIDDER should commence the service as per the tender document/work or purchase order. For any queries or assistance, please write to clpchead@bgscet.ac.in or telephone to +91- 8123707324.
- 13) **Penalty Clause:** Non-execution of supply order – for the reasons of failure to supply partially or completely within the stipulated time or any event of breach of contract. In case at any following stages
 - a) For the delayed supply (3 days of grace period) – 5% deduction
 - b) Quantity issues – 5 % deduction
 - c) Quality issues – 10% deduction

Section-2**Technical Specification**

SL. No	Particulars	Total Qty
1.	Drosophila environment chamber	1
2.	Stereo zoom microscope for Drosophila Studies	1
3.	Refrigerated Centrifuge	1
4.	Microplate reader- Monochromator based	1

Specification for Drosophila Environment Chamber

Parameter	Specification
Purpose	Controlled environment chamber for rearing and experimentation on <i>Drosophila melanogaster</i> and related model organisms.
Temperature Range	+15 °C to +30 °C (extendable +10 °C to +35 °C)
Temperature Accuracy	± 0.2 °C
Temperature Uniformity	± 0.5 °C
Temperature Control	PID-based microprocessor controller with digital display
Humidity Range	40% – 80% RH (adjustable)
Humidity Accuracy	± 3% RH
Humidity System	Ultrasonic humidifier/water reservoir with automatic refill; dehumidification via desiccant or cooling coil
Lighting System	Programmable LED illumination (0–5000 lux) with photoperiod (day/night cycles, e.g., 12:12 L:D)
Light Spectrum	White LEDs standard; optional red/blue LEDs for circadian studies
Air Circulation	Gentle fan-based forced air with HEPA filter option; low vibration design
Inner Chamber	Stainless steel / powder-coated, corrosion-resistant
Outer Body	Powder-coated mild steel or stainless steel
Insulation	High-density polyurethane foam (PUF)
Shelving	Adjustable, perforated stainless steel shelves
Door	Double-walled, insulated with a magnetic gasket; inner glass observation door
Controller & Display	Microprocessor-based programmable controller; digital LCD/LED screen
Alarm System	Audible/visual alarms for deviation in temperature/humidity
Capacity Options	100-150 L
Shelf Capacity	4-10 adjustable shelves; ~15 kg per shelf
Power Supply	220-240 V AC, 50 Hz (single phase)
Safety Features	Over-temp & over-humidity cut-off, power failure alarm with auto-restart, circuit breaker
Optional Features	CO ₂ port for fly anesthetization, insect-tight sealing, battery backup, remote Wi-Fi monitoring
Applications	Maintenance of <i>Drosophila</i> stocks, lifespan assays, toxicology, circadian rhythm, neurobiology, and developmental biology studies

Specification for Microscope for *Drosophila* Studies (Stereo Zoom Microscope)

Parameter	Specification
Purpose	For sorting, sexing, dissecting, and observing <i>Drosophila melanogaster</i> and related model organisms under controlled magnification.
Microscope Type	Stereo Zoom (dissecting microscope), binocular/trinocular configuration
Magnification Range	6.5x – 45x (expandable up to 180x with auxiliary objectives and eyepieces)
Eyepieces	10x widefield eyepieces with ≥ 22 mm field of view (FOV); diopter adjustment $\pm 5D$
Zoom Ratio	At least 7:1 or higher
Working Distance	Minimum 100 mm (with standard objectives)
Auxiliary Objectives (Optional)	0.5x, 1.5x, 2x for extending magnification range
Illumination	Dual illumination system: transmitted light (base illumination) and incident light (LED ring/spotlight)
Light Source	Long-life LED (white light, adjustable intensity)
Stage	Flat stage plate with insect handling space; black/white contrast plate and glass plate provided
Stand	Boom stand or pillar stand with rack & pinion focusing mechanism
Focus Mechanism	Coarse and fine focusing adjustment
Optical Quality	Achromatic optics, high resolution with anti-fungal coating
Camera Port	Trinocular version with camera attachment (HD/5MP–12MP digital camera, USB/HDMI compatible)
Imaging Software (Optional)	Image capture, annotation, and measurement software with Windows/Mac compatibility
Accessories	Fly handling tools compatibility (CO ₂ anesthesia pad integration possible)
Power Supply	220-240 V AC, 50 Hz
Applications	Sorting flies, observing external morphology, dissections, genetic marker screening, teaching, and training in fly labs



Specification for Refrigerated Centrifuge

Parameter	Specification
Purpose	For the separation of cellular components, nucleic acids, proteins, and fly tissue homogenates under controlled refrigerated conditions.
Type	Bench-top refrigerated centrifuge with microprocessor control
Max Speed	$\geq 15,000$ rpm (with microcentrifuge rotor)
Relative Centrifugal Force (RCF)	$\geq 21,000 \times g$
Speed Control	Digital setting, step increment of 10 rpm
Temperature Range	-10°C to $+40^{\circ}\text{C}$
Temperature Accuracy	$\pm 1^{\circ}\text{C}$
Refrigeration System	CFC-free compressor with R134a or equivalent eco-friendly refrigerant
Rotor Types (Interchangeable)	- Fixed angle rotor for microtubes (1.5/2.0 mL) Swing-out rotor for 15 mL & 50 mL conical tubes Optional: plate rotor for 96-well plates
Rotor Capacity	At least $24 \times 1.5/2.0$ mL tubes (fixed angle); 4×50 mL tubes (swing-out)
Acceleration/Deceleration	Programmable (at least 9 profiles)
Timer	1 – 99 minutes, withhold/continuous run option
Display	Digital LCD/LED display showing speed (rpm/RCF), temperature, and time
Imbalance Detection	Automatic rotor imbalance detection with shutdown
Noise Level	≤ 60 dB during operation
Safety Features	Over-speed protection, over-temperature protection, automatic rotor recognition
Power Supply	220-240 V AC, 50 Hz, single phase
Certifications	CE / ISO / equivalent safety certification
Applications	Cell/tissue homogenate separation, protein & nucleic acid extraction, cell fractionation, molecular biology sample preparation



Specification for Monochromator-Based Microplate Reader

Parameter	Specification
Purpose	For absorbance-based assays in microplates, suitable for enzymatic, metabolic, gene expression, and viability studies related to <i>Biochemistry</i> research.
Optical System	Monochromator-based (no filter requirement, tunable wavelengths)
Wavelength Range (Absorbance)	200 – 1000 nm
Wavelength Accuracy	± 2 nm
Wavelength Selection	Adjustable in 1 nm increments
Absorbance Range	0.000 to 4.0 OD
Absorbance Accuracy	± 0.005 OD at 1.0 OD
Reading Modes	Absorbance (UV-Vis), Fluorescence intensity (upgradable)
Microplate Compatibility	6- to 384-well plates (standard ANSI/SBS footprint)
Shaking Function	Linear, orbital, and double orbital shaking (programmable)
Temperature Control	Ambient $+5$ °C to 45 °C with incubation module
Optical Pathlength Correction	Automatic pathlength correction for direct concentration calculation (e.g., nucleic acids, proteins)
Detection Limit	≤ 0.001 OD (absorbance mode)
Software	User-friendly software with: Endpoint, kinetic, spectral scanning, and multi-mode data analysis. Pathlength correction. Curve fitting, EC50/IC50 determination.
Measurement Speed	≤ 1 minute per 96-well plate
Data Output	Data export to Excel/PDF
Power Supply	220-240 V AC, 50 Hz
Safety Compliance	CE / ISO / UL certified
Applications	Enzyme kinetics, protein/nucleic acid quantification, cell viability assays, reporter gene assays, metabolic profiling in biological studies

**Annexure – 1****PARTICULARS OF THE BIDDER**

Sr. No	Description	Details (to be filled by the responder to the Bid)
1	Name of the company	
2	Official address	
3	Phone No. And Fax No.	
4	Corporate Headquarters Address	
5	Phone No. And Fax No.	
6	Web Site Address	
7	Details of Company's Registration (Please enclose copy of the company registration document)	
8	Name of Registration Authority	
9	Registration Number and Year of Registration	
10	ISO certifications and its validity	
11	GST registration No.	
12	Permanent Account Number (PAN)	
13	Company's Revenue for last 3 years (Year wise)	
14	Company's net worth for the last year	
15	Bank Details (Name, Account no., Branch, IFSC, MICR)	

**Annexure – 2**

The Bidder has to quote the rate in the Item Data available online with this bid. Details to be filled up for price bid are as below:

The price shall be inclusive of all taxes (inclusive of GST) under the relevant Laws of India.

SL. No	Particular	Amount In Rs. (Inclusive of All the taxes)
1	Total Cost for the Procurement of Equipment for B.Sc. and M.Sc. Programs at Adichunchanagiri School of Natural Sciences, BG Nagara-571448.	
Total in Rs and in words –		

Cost related to Supply and Installation as per Items mentioned in the Compliance sheet for technical proposal.

SL. No	Particulars	Total Quantity In nos.	Unit Rate in Rs	Total Cost in Rs.
1	Drosophila environment chamber	1		
2	Stereo zoom microscope for Drosophila Studies	1		
3	Refrigerated Centrifuge	1		
4	Microplate reader- Monochromator based	1		
Total in Rs				
GST@18% in Rs.				
Grand Total Amount in Rs.				


THE HEAD
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