

**SCHOOL OF ENVIRONMENTAL SCIENCES
MAHATMA GANDHI UNIVERSITY
KOTTAYAM-686560**

SHORT TENDER NOTICE FOR PURCHASE OF EQUIPMENT

TENDER NOTICE No: SES/MGU/PLAN/EQP/2025

Date: 14.02.2025

Competitive tender in sealed cover for the supply of Trinocular Stereo Zoom Microscope With 10 Mpx Camera(1no) and The Gyrotory Sieve Shaker is invited from reputed firms and authorized dealers to reach the office of the undersigned not later than 3 p.m. on 21.02.2025. Technical bids of the tenders will be opened on 22.02.2025 at 3.30 p.m. in the presence of authorized representatives of tendered firms. The financial bid of the Tender will be opened on 22.02.2025 at 4.30 pm

Sl. No.	Scheduled Item	Specifications	E.M.D Rs	Tender Fees
01	TRINOCULAR STEREO ZOOM MICROSCOPE WITH 10 MPX CAMERA(1 no.)	Attached as Annexure -IV	2.5 % of the Estimated	9375
02	The Gyrotory Sieve Shaker			

Director

School of Environmental Sciences, M.G.U

NOTE: (1) PLEASE SEE THE ANNEXURES I, ANNEXURE II, ANNEXURE III and

ANNEXURE IV ATTACHED BELOW

(2) ALL THE DOCUMENTS RELATED TO THE TENDER CAN BE DOWNLOADED FROM THE UNIVERSITY WEBSITE- www.mgu.ac.in, in the section "Quotation/tender"

ANNEXURE I

General Terms and Conditions

1. The main envelope should be super scribed: **“Trinocular Stereo Zoom Microscope With 10 Mpx Camera” and “Gyratory Sieve Shaker”**
2. The nonrefundable application fee is accompanied by the tender for each item. The application fee must be as **D.D. drawn in favour of the Finance officer, M.G. University.**
3. Tenders must accompany a copy of the “General Terms and Conditions, Annexure I and Annexure II and III” section of this document, signed and stamped on each page indicating that they agree to these.
4. Last date of tender submission along with the requisite fee, EMD and all documents is **21.02.2025**. The DD for EMD or any other accepted document must be drawn in favour of

Director, School of Environmental Sciences, M. G. University, Kottayam, Kerala payable at SBI Mahatma Gandhi University Campus Branch.

5. The Delivery Schedule, Payment Terms & Warranty/Guarantee etc must be clearly indicated in the technical bid. The charges for extended warranty and/or Annual Maintenance Contract after the expiry of offered warranty period should also be specified in the financial bid.
6. The manufacturers’ printed literature/catalogue/drawing/user’s list in respect of range of product being quoted should also be submitted with the offer.

Other requirements for delivery and complete installation

1. Delivery at the School of Environmental Sciences, Mahatma Gandhi University, Kottayam
2. All other requirements for satisfactory installation of **equipment**.
3. It will be the responsibility of the supplier to deliver the ordered materials at the School of Environmental Sciences, Mahatma Gandhi University, Kottayam.
4. All required materials for satisfactory installation are to be provided by the supplier at their own cost.

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

PART-I (TECHNICAL BID) OF TENDER NO:

Last date for receipt:

Due date for opening Part –I (TECHNICAL BID):

Tenderer's Offer No:

Date:

From,

M/s.

.....

To,

Director

School of Environmental Sciences, M. G. University,

Kottayam, Kerala,India

Dear Sir,

I/We have gone through the tendering conditions pertaining to the Tender and General Terms and Conditions of Contract and other requirement for delivery and complete Installation and Special Conditions of Contract contained herein with this tender document. I/we hereby agree to supply the stores conforming to the tender specifications incorporated in ANNEXURE I 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 30 days from the date of opening of Part-II (Financial bid) of the tender

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

Yours faithfully

Stamp and Signature of the Tenderer

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

PART-II (FINANCIAL BID) OF TENDER NO:

Last date for receipt:

Due date for opening Part –II (FINANCIAL BID):

Tenderer’s Offer No:

Date:

From,

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

To,

Director

School of Environmental Sciences, M. G. University,

Kottayam, 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 ANNEXURE-I (TECHNICAL BID) of our tender are indicated in the format at annexure “A” to this tender.

We hereby agree to keep the price valid for your acceptance for a period of 30 days from the date of actual opening of Part-II (FINANCIAL BID) of the tender.

Yours faithfully,

Stamp and Signature of the Tenderer

ANNEXURE- IV

Sl. No.	Item	Specification for Instrument	Quantity
1	Trinocular Stereo Zoom Microscope With 10 Mpx Camera	<p>1, Observation Method Transmitted Light -Bright Field Incident Light - Bright Field</p> <p>2, Head Type-Trinocular Construction material-Aluminum&Aluminum gears Split ratio-Fixed. 50 (eyepiece) / 50 (photo) Interpupillary distance (mm) -51-75 Diopter adjustment -On both tubes</p> <p>3, Eyepieces Field number (mm) -21 Magnification-10x</p> <p>4, Objective Optical system- Greenough Anti-fungus treatment- Required Objective Type- should be Achromatic Zoom type-Parfocal achromatic Working distance (mm)-100 Standard magnifications-7x-45x Zoom ratio-6,43 Objective numerical aperture-0.02 @ 0.67x0.07 @ 4.5x Objective resolution-60 lp/mm @ 0.67x240 lp/mm @ 4.5x</p> <p>5, Focusing System Type -Coarse Coarse total travel (mm)- minimum 110 Adjustable tension-Yes</p> <p>6, Stage White diffusion plate for transmitted ill.-diameter 100 mm Specimen clips- Required</p> <p>7, Transmitted Illumination Type -EcoLED Brightness control-Manual Lifetime (hours)-> 65,000 Temperature (K)-6,300</p> <p>8, Incident Illumination Type -EcoLED Brightness control -Manual Lifetime (hours) -> 65,000 Temperature (K)- 6,300</p> <p>9, Power Supply Input voltage for adaptor -100/240 Vac, 50/60 Hz Output voltage -5 Vdc 500 mA Rechargeable batteries- Required Battery type -Ni-MH (3x, AA size), 1.2V or similar Working time of batteries (hours) -up to 8 Charging time of batteries (hours) -Not more than 8 hours</p> <p>Specifications for Camera:- 1, General specifications PC Camera resolution (MP) -10 USB standard USB3.0 Frame rate full resolution (fps)-7.2@3584x2746 C-Mount- Required Optical adapter (for 23mm eyepiece tube) 0.5x Calibration slide - Should be supplied</p> <p>2, Sensor Camera resolution -3584x2748 Type- Color Sensor Size- Minimum 1/2.3" Sensor Technology -CMOS Sensor Type -APTINA CMOS</p>	1 No.

		<p>Image Format-4/3 Pixel Size (mm)-1.67x1.67 Acquisition technology-Rolling shutter Sensitivity-0.31 V/lux-second Dynamic range (DB)-65.2 ADC conversion-8 Bit - 12Bit Color Depth-1, 4, 8, 24 Bit Exposure time-0.4 msec - 2 sec IR filter- Required 3, Camera Power Supply Connector -USB Output voltage-PC USB 4, PC requirements CPU: Intel Core2 - 2.8GHz or higher RAM: 2GB or more USB 3.0</p>	
2	<p>The Gyratory Sieve Shaker</p>	<ol style="list-style-type: none"> 1. High Capacity: Capable of handling, from 6 to 8 standard sieves 2. Suitable to work with Diameter up to 45 cm 3. Digital Controls and Timer: With NABL Calibrated timer up to 99 minutes 4. The shaker shall be driven by at least 1/2 H.P. Electric Motor through a reduction gear. 5. The Sieve Table shall be inclined from the vertical axis and the direction of inclination changes progressively in the clockwise direction. 6. In addition to the gyratory motion there shall be an upward and downward movement 7. No. of tapping from bottom : 85 to 90 8. Supplier should be either manufacturer or authorized dealer (Proof should be attached) 9. Order copies of similar equipment should be attached 10, Warranty – One Year 	