



# MAHATMA GANDHI UNIVERSITY

## SCHOOL OF BIOSCIENCES

Priyadarshini Hills P. O Kottayam – 686 560 Kerala, South India

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No. SBS/01/Tender/MS/2023

Dated: 16.10.2023

### TENDER NOTICE

The Director, School of Biosciences invites sealed competitive Tenders from reputed firms for the purchase of “Stereo Microscope with Camera” as per the specifications mentioned below.

The sealed covers containing Tender details are super scribed “Tender for Stereo Microscope with Camera” and send to The Director, School of Biosciences, Mahatma Gandhi University, P.D Hills P.O, Kottayam– 686560.

**Last Date of Receiving Tenders: 02.11.2023, Time : 3.00pm**

**Opening date of Tenders: 03.11.23, Time: 10 AM**

### SPECIFICATIONS

#### 1. Stereo Microscope with Camera

##### Body:

Camera port interface –Camera port with fixed 50 vis : 50 doc left split and  
C-Mount 0.5x

##### Zoom:

Manually Operable Zoom 5:1

Switchable zoom click stops – (0.8x, 1x, 2x, 3x, 4x)

Magnification Range without interchangeable optics: 8x– 40x with working distance:  
110 mm or better

Magnification Range with interchangeable optics: 4x– 200 x or better

##### Eye pieces :

10x/FOV23

Viewing Angle: 45 degrees or more

Interpupillary Adjustment: 55–75 mm or better

## Objectives:

Objective: standard objectives

## Stand:

Working surface D195 × W160 mm or more  
Built-in LED transillumination bright field / dark field  
Separate RL/TL controls for on/off / dimming  
Glass plate and Dust cover included

## Camera:

Sensor Type CMOS

Basic Resolution 2560 (H) × 1920 (V) = 5.0 Megapixels or better

Sensor Size 5.70 mm × 4.28 mm, equivalent to 1/2.5" (diagonal 7.1 mm) or better

Pixel Size 2.2 μm × 2.2 μm or better

ROI adjustable

Digitization 3 × 8 bit/pixel or better

Read-out Mode Progressive

Filter Mask RGB Bayer color filter

Spectral Sensitivity 400 nm – 650 nm, IR filter or better

Exposure Time 100 μs – 2 s or better

Optical

Interface

C-mount

Microscope and camera should be from the same manufacturer.

## Warranty

24 months from the date of installation.

Broacher, a Schematic diagram of the microscope, Catalogue has to be provided

## Computer and dedicated software:

Intel Core i5 10<sup>th</sup> Generation or better

8 GB DDR4 RAM or better

2 GB PCI Graphic Card or better

256 GB NVME SSD or better

1 TB HDD

MSI 560 ME Pro Motherboard or better

21.5" Monitor or better

Mouse, Key board, HDMI port, LAN port, USB port, Microscope connectivity

Genuine windows, Genuine Microscope image acquisition and processing software

**Note:**

All the accessories and spares for installation and demonstration should be supplied by the firm along with the instrument. The instrument should meet all the specifications given in the tender and minor variations will be examined by the technical committee before acceptance/rejection of the tender. Loading, unloading and transportation cost will be met by the bidder. The instrument should be supplied in the School of Biosciences Laboratory, Kottayam.

For more details contact School of Biosciences, Mg University, Athirampuzha Kottayam on all working hours.

**Terms & Conditions:**

1. Tender form can be downloaded from the official web site of Mahatma Gandhi University (<https://www.mgu.ac.in/uploads/2020/08/Tender-Form.pdf?x99264>) and Tender form rate-0.2% of quoted amount (Lowest amount = Rs. 400/- +GST, Maximum amount = Rs. 1500/- +GST) can be paid by online in the University online payment system and challan should be attached along with the Tender.
2. Tender Amount should be including all taxes.
3. Tenure of Tender should be three months.
4. A preliminary agreement in document paper of Rs. 200/- has to be submitted along with the tender.
5. **Ernest Money Deposit (EMD) calculated @ 1% of (quoted amount) the Purchase assessment cost (PAC) should be paid by through University online payment (www.mgu.ac.in.online payment - miscellaneous) or Demand Draft in favour of The H O D, School of Biosciences and submitted along with the sealed tender.**
6. An agreement must be submitted by the qualified bidder and should submit 5% of the PAC as security deposit.
7. Tenders received after the last date and time should be rejected. The Registrar has the right to accept or reject the tender without any reason. If the tender opening day is a holiday it will open in the next office working day.
8. If not received the minimum number tenders, the last date will be extended to the next 15 days.
9. If received more tenders during the extended period, the first received tenders also to be considered.
10. Final payment should be released only after the proper installation and satisfactory report from the Technical Officer, School of Biosciences.



  
**Head of Department**  
**School of Biosciences**