



# Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg.CI/85/Law, dated 17th April 1985)

## NATIONAL INSTITUTE OF PLANT SCIENCE TECHNOLOGY

Priyadarshini Hills P. O. Kottayam, Kerala - 686 560



71/CAC/NIPST/2024

Dated 23.12.2024

### Tender Notice

Sealed competitive tenders (Technical & Financial), superscribed “ Tender for the supply and installation of **pH Meter & MONOCULAR ECO TEACHING (EDUCATION) MICROSCOPE – 4 Numbers in National Institute of plant science Technology Lab**”are invited so as to reach the office of the undersigned not later than 2 pm on 07.01.2025.

Earnest money deposit (EMD), calculated at 1% of the purchase assessment cost (PAC) should be paid by the firm. Tenders will be opened at 11.00 am on 08.01.2025. The EMD should be remitted in favour of the **Finance officer, Mahatma Gandhi University** by the way of **E payment facility** provided in the university website along with the sealed tenders.

The detailed tender notice is available on [www.mgu.ac.in](http://www.mgu.ac.in) the official website of the university. Tender form and other details can be had from the university general store on all working days by paying the form fee @.2% of the cost of tender and also available in the University website rounded to the nearest multiple of Rs. 100, subject to a maximum of Rs. 25000/-+ GST as applicable. The same is also available in the official website of the University.

For ensuring the guarantee, terms and conditions etc. relating to the articles supplied, a written agreement must be submitted by the firm. Qualified bidder should submit 5% of PAC as security deposit.

#### pH Meter specifications

Microcontroller based Ph meter With 3 point calibration

pH :

Range :0 to 14 pH

Resolution : 0.01pH

Stability : 0.01pH per hour

Relative Accuracy :  $\pm 0.02\text{pH} \pm 1\text{Digit}$

Slope : 85% to 115%

Standard Buffers : 7 .000, 4 .000 ,9.183 ph

Buffer Deviation :  $\pm 0.5\text{pHmV}$

Range :0 to  $\pm 1999.9\text{mV}$

Resolution : 0.1mV

Accuracy :  $\pm 0.5\text{ mV} \pm 1\text{ Digit}$  or  $\pm 0.05\%$  of reading

Temperature

Compensation : Auto/Manual

Range : 0 to 99.9°C

Resolution : 0.1°C

Accuracy :  $\pm 0.5^\circ\text{C} \pm 1\text{ Digit}$

Display : 7 segment 7 digit led

Warranty- 36 months

## MONOCULAR ECO TEACHING (EDUCATION) MICROSCOPE – 4 Numbers

Specifications –

1. Eco Teaching Microscope
2. LED Illumination with Battery Back –up
3. Compact & Durable
4. For Medical & Laboratory Students
  - All metal rugged Stand with individual Coarse & Fine Focus drive with focus stop
  - Maintenance Free ECO LED illumination including Battery backup with regulating intensity control for 220V/50Hz
  - Achromatic Abbe Condenser 1.25 NA with aperture iris diaphragm
  - 110 X 120 mm stage with clips
  - Quadruple revolving nosepiece
  - Achromatic objectives 4x, 10x, 40x (spring) 100X (Oil & Spring)
  - 360° rotatable 45° inclined Monocular head with Wide Field Eyepiece 10x/18 lockable
  - Dust cover complete set.
  - Warranty – 36 months

Sl.N os	Parts	Function/Features	Specification
1.	Stand	Metal Base & Arm	Built-in-LED illumination
2.	Separate Coarse & Fine Focus knobs	Knurled handgrip	Yes
3.	Nosepiece	Triple (4X, 10X & 40X)	Precession clicks top & rubber grip
4.	Stage plate	115x125mm 132x148mm	Double Plate Mechanical Stage with Co-axial X-Y Drive knob
5.	Specimen holder	Stage clips	2x spring loaded clips.
6.	Condenser	Achromatic Abbe Condenser 1.25NA With iris diaphragm	1.25N A
7.	Built-in illumination	LED	Built-in Battery Back-up & charger
8.	Power supply	90-220V 50Hz, with 3pin plug	External Power supply module for easy exchange & replacement
9.	Tubes (360° rotatable)	45° Monocular Head	With safe locking screw
10.	Achromatic objectives	4X /0.10 10X/0.25 40X/0.65 100X/1.25	Spring Spring Oil
11.	Eyepiece	WF10X/18mm	(F.N 18mm)
12.	Dust cover	Protecting from Dust	Yes

Tender can be downloaded in the website [www.mgu.ac.in](http://www.mgu.ac.in) -> downloads  
 Last date & time for the receipt of the tender: 2.00 pm on 07.01.2025.

Sealed envelope containing tenders shall be addressed to CO ORDINATOR, NIPST, ROOM NUMBER 505, CONVERGENCE ACADEMIA COMPLEX, MAHATMA GANDHI UNIVERSITY, PD HILLS PO, KOTTAYAM 686560.

### **Conditions**

Original equipment manufacturer should have atleast one office in kerala and should have their company representative.

In case of dealers who are participating the tender should produce valid authorisation letter from OEM.

The quoted price should be inclusive of all taxes/ frieght/Installation ...

The tenders should have at least Three months validity.

Brochure of different models quoted should be enclosed.

**Warranty, AMC conditions, nearest servicing center details, user reference, necessary supporting catalogues and demonstration should be provided.**

The Delivery schedule, Payment terms & Warranty/Guarantee etc must be clearly indicated.

The right to accept or reject tenders without assigning any reason thereof rests entirely with the undersigned.

If the last date of reciept and opening of tenders is declared as a holiday, the next working day shall be the last day of the purpose.

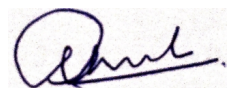
The successful bidder should execute an agreement in the prescribed format with the university and submit a security deposit not less than 5% of the cost.

A good record in supply and service to other research institutes will be considered as a positive pant for a particular company. User list of similar equipment supplied recently in India should be provided.

Laboratory floorspace, electrical power requirements, earthing, room temperature/humidity requirements... should be mentioned appropriately.

All necessary accessories should be supplied with the instrument, as per standard package offered, including complete set of service and operation manuals for diagnosis, trouble shooting, maintainance and electronic circuitry.

Hard copies of documents/Brochures should be sent to the respective address.



**COORDINATOR  
NIPST**

