

# College of Engineering Trivandrum, Thiruvananthapuram

## NOTICE INVITING TENDER

P5/4595/19/CET

14.08.2020

**Tender No.** : 15/2020/P5/ME/QIP  
**E-Tender ID** : 2020\_DTE\_368893\_1

**Superscription** :Purchase of **Stereo Zoom Microscope with Integrated 10MP Camera** for the Mechanical Engg. Department of this institution

**Last date and time of receipt of tender on the website** : 16/09/2020 3 PM  
(www.etenders.kerala.gov.in)

**Date and time of opening of tender** : 18/09/2020 11 AM

**Date upto which the rates are to be firm** : 18/03/2021

**Bidding fee** : Rs.1416/-(Rs.1200/-+18%GST)

**EMD required** : Rs.5900/-

**Address of the Officer to whom hard copy is to be send.** : THE PRINCIPAL, COLLEGE OF ENGINEERING TRIVANDRUM, THIRUVANANTHAPURAM-695016, KERALA

### **General conditions**

- 1.The price quoted should be inclusive of all taxes, freight charges, unloading charges, installation and commissioning charges and should be furnished unambiguously.
- 2.Payment: 100 % after successful supply, installation, commissioning and demonstration.
- 3.Delivery Period: Maximum Delivery period will be 60 days from the date of receipt of supply order.
- 4.Agreement as per NIT 2 in Rs.**220/-** Kerala Stamp Paper and tender form should be uploaded.
- 5.5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
- 6.Date of opening of tender: In case the proposed date declared as holiday, the tender will be opened on the next working day.
- 7.Only GST registered firms can participate in the Tender
8. Warranty : 5 years

**NB:** The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual.

The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph.0471 2577088, 0471 2577188, 0471 257388, 0471 2515772, 9947767470

**Sd/-  
PRINCIPAL**

### **Stereo Zoom Microscope with Integrated 10MP Camera**

Stereo zoom microscope with Apochromatic Optics.

Magnification : 6.1x - 55x or more

Zoom ratio : 9:1 or more

Microscope should have 10x/23 high eye point eyepieces with adjustable diopters.

Working Distance : 122 mm or above

Interpupillary distance : 50-76 mm

Viewing angle : 35°

Object field diameter : 37.7 mm

Depth of field : 12 mm

Maximum resolution : 500 lp/mm

Click-stops : 10x,20x,30x,40x, and 50x

Incident light base, large with AntiShock feet with stage insert black/white (120 mm)

Coarse/fine focus drive, 500 mm or above, with side-faced column

LED Ring light with diffuser

Accessories : Objective apochromatically corrected 0.63x , working distance 150 mm and Antistatic Dust cover

#### **Integrated Camera**

10 MP resolution Live image up to 35 fps (1,024 x 768 pixels),

Sensor size : 6.44 mm x 4.6 mm, 1/2.3"

CMOS Pixel size : 1.67 μm x 1.67 μm

Live stream images via USB mode to connect the camera directly with a PC or Mac via USB2 cable.

Ethernet mode to connect the camera facility's network via Ethernet (RJ45) cable

HDMI mode to connect the camera to a large HD-monitor for a standalone operation without computer.

Image analyzer software for all linear measurements, Processing, calibration, capability of Insertion of annotation / micron bar.

**All the components (Microscope, Camera & Software) should be same make/should support the whole system.**