



**OFFICE OF THE REGISTRAR :: DIBRUGARH UNIVERSITY :: DIBRUGARH**

No. DU/NIQ-2022/File-V/95

Date: 17.02.2022

**Notice Inviting Quotation**

Sealed quotations are invited from reputed firms/suppliers/ vendors for the supply, installation and commissioning of Petrological Microscope at Department of Petroleum Technology, Dibrugarh University as per particulars mentioned in *Annexure I*. The quotations will be received by the undersigned on or before **04.03.2022 upto 11:00 A.M.** and will be opened on the same date at **02:30 P.M.** in the presence of the intending quotationers or their authorized agents.

**Terms and Conditions:**

1. No separate quotation paper will be issued from the office. Quotation should be submitted in the Supplier's Letter Pad with supporting documents.
2. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
3. The quotation should be addressed to the "**Registrar, Dibrugarh University, Dibrugarh – 786004**" super scribing the Quotation Notice Number on the envelope.
4. In the event of any kind of holiday, the quotations shall be opened on the next working day.
5. ***Any kind of Taxes/GST (if any) or any kind of installation or other charges must be clearly indicated in the quotation.***
6. The tendering firm must have proper PAN/GST No. and the same shall have to be enclosed with the quotations.
7. The quantity mentioned above may be increased or decreased at the time of placing order as per requirement.

**Sd/-**

**Registrar**

Dibrugarh University

Copy to:

1. The Deputy Registrar (F&A) i/c, D.U. for information.
2. The Programmer, D.U., with a request to upload the same at the D.U. website.
3. Office File.

**Sd/-**

**Registrar**

Dibrugarh University

**Petrological Microscope with photographic attachment**

Technical Specifications :

1. **Stand** – with 4 Position centerable nosepiece, Koehler Illumination, Circular rotating stage (Diameter > 175mm) with graduations and adjustable brake, LED illumination, built in handle and cord wrap, objective centering tools, 2 Object Clamps Dust Cover. Auto shut-off function after 2 hours of no use. TL LED White Light illumination having working life of 25,000 working hours + with continuous intensity adjustment intensity, upgradable for RL LED Illumination.
2. **Observation Tube**–30 degree Polarization Tube with eyepiece locking mechanism, and orientation key in one eye tube for the Crosshair reticule eyepiece.
3. **Eyepiece with eye guard** - 10x focusable eyepiece with Crosshair reticule and key for orientation.
4. **Objectives** – 2.5x/0.07 Pol, 4x/0.10 Pol, 10x/0.25 Pol, and Free working distance should be enough for use with and without cover glass for all magnifications. Should be suitable for TL applications and reflected light application. Objectives shall have laser engraved information about objectives.
5. Analyzer/Bertrand Lens Module w/Focusable Bertrand Lens
6. **Condenser** – POL 0.85
7. Lambda and Lambda/4 compensator
8. **Polarizing stage** 175mm dia. or better with object guide - Object guide for Pol-Stages with XY-control, suitable for different slide formats.
9. **Camera:** 5 MP or better High-speed digital CMOS camera. HD Mode for Live image 1920x1080p directly to an HD display or for image capture to SD card (No PC required) - PC mode for use with PC and Imaging Software - Network mode for direct connection using Ethernet cable - Fits Compound microscopes in an integrated way between the viewing tube and the stand - Light distribution: 50% visual / 50% camera - Interfaces: USB2, HDMI, Ethernet - Maximum Image size (2592 x 1944) or better- Complete camera kit should contain Camera Module, USB2 cable 1.8m, HDMI cable 2.5m, Quick start guide, Safety Booklet
10. **Imaging Software** – Imaging software for should be provided with the microscope. It should be capable of capturing images, doing image enhancement by adjustment of brightness, contrast etc. It should be possible to perform basic annotations and Linear measurement. 32” HDMi Monitor shall be supply for imaging.
11. Vertical handle & Under cut in the front so that it can be carried from one place to other should have Cord Wrap with Vertical cord attachment to stand. CE Certificate is must, should conform to ISO anti-mold standard.
12. Microscope, Camera, and software shall be from the same / single manufacturer only for better synchronization and no hybrid system components are allowed in order to achieve maximum efficiency with Reproducibility & Repeatability is achieved. Technical catalogue and details of the microscope shall be available on website.
13. 32 inch HD monitor (1no.)