

बीरबल साहनी पुराविज्ञान संस्थान, लखनऊ
BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES, LUCKNOW

टेलीग्राम पेलियोबॉटनी

दूरभाष 2740008, 2742983

फैक्स ९१-91-522-2740485, 2740098

बी सा पु सं /III/भंडार एवं क्रय/A.S.

L-2243

53, विश्व विद्यालय मार्ग

लखनऊ - 226007

Date: 01.03.2019

संयोजक वेबसाइट समिति,
बी सा पु सं, लखनऊ।

Petrological (Polarizing) Microscope (Specifications at the back)

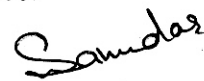
Subject: -----

Dear Sirs,

This Institute intend to purchase item mentioned above. Sealed quotations are invited so as to reach this office on or before 5:00 P.M. on 15.03.2019 duly superscribed by **"Petrological (Polarizing) Microscope"**

While submitting quotation please note that:

1. The material may either of indigenous manufacturer or of foreign make, available from ready stock. Any offer to supply on forward Delivery Basis under suppliers own quota license will also be considered.
2. The price quoted should be F.O.R. Destination.
3. Your rates should include packing, insurance and forwarding charges.
4. The rates of GST should be clearly indicated wherever chargeable. The tendered should also indicate GST Registration Number and date in this quotation.
5. Specific mention should be made whether the offer is for supplies available ex-stock. In case the officer is on Forward Delivery basis, firm delivery period must be indicated.
6. The cover should be sealed and superscribed "Quotation for **"Petrological (Polarizing) Microscope"**" must be written on envelope. The quotations not complying the procedure will be rejected.
7. Payments will be made by crossed cheque on The Indian Overseas Bank, Lucknow only after receipt and acceptance of supply and installation/ if required satisfactory.
8. The acceptance of the quotation will rest with the Director who does not bind himself to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotation received without assigning any reasons.
9. The quotations are liable to be cancelled if any of the above mentioned conditions are not complied with.
10. The items may be increase or decrease at the time of purchase.



(Swapna Mazumdar)

Section Officer

Store & Purchase Section

Illumination	<p>TRANSMITTED ILLUMINATION: Light source type X-LED with white LED; light intensity control using a knob on left side of the frame. LED power 3.6W, comparable to an halogen bulb 35W. Color temperature: 6300K LED average lifetime approx.: 50000h. The light exit can be used as a filter holder for additional filters (blue, yellow, frosted).</p> <p>INCIDENT ILLUMINATION: Light source type X-LED8 with white LED; light intensity control using a knob on left side of the frame. LED power: 8W, comparable to a 100W halogen bulb. Color temperature: 6300K LED Average lifetime: approx. 50.000h. The light exit can be used as a filter holder for additional filters (blue, yellow, frosted). Voltage: 110/240Vac, 50/60Hz, 0,45 A; Fusibile: T3.15A 250V Max required power: 13W</p>
Observation Modes	Brightfield, Transmitted polarized light, Incident polarized light
Focusing	Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.
Stage	Rotatable stage with locking system and Vernier scale with accuracy 0,1 mm. Diameter 160 mm. Specimen clamps.
Nosepiece	Quadruple revolving nosepiece with centering system, rotation on ball bearings. Centering system on each objective.
Head	Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece sleeve. Interpupillary adjustment 55-75 mm.
Eyepieces	Wide field eyepieces WF10X/22 with field number 22. One eyepiece has a built-in crosshair reticle for the centering of the optical path.
Objectives	<p>Infinity corrected optical system IOS (Infinity Optical System). planachromatic "strain-free" objectives: M-1136 IOS LWD W-PLAN POL objective 5x/0.12 M-1137 IOS LWD W-PLAN POL objective 10x/0.25 M-1138 IOS LWD W-PLAN POL objective 20x/0.40 M-1139 IOS LWD W-PLAN POL objective 50x/0.75 M-1135 IOS W-PLAN POL objective 60x/0.80 All objectives are treated with an anti-fungus treatment.</p>

Condenser	Swing-out condenser, N.A. 0.9 with centering system. Rotatable polarizer with graduated scale (it can be excluded from optical path through rotation).
Bertrand Lens	<p>Swing-out type with centering and focusing mechanism for observation in conoscopy/orthoscopy. Rotatable analyzer from 0° to 90° with graduated scale. Tint plates included: 1° order red (1 lambda) ¼ lambda -) Quartz wedge</p>
Dimensions	<p>HEIGHT: 480 mm DEPTH: WIDHT: 245 mm WEIGHT: 9 kg 380 mm</p>
Accessories	Instruction manual and dust cover included.

Camera Attachment for Research Microscope**Full Hd HDMI 9.85 M. Pixels C-mount Autofocus Microscope Camera, Model: C-HP**

- HDMI / USB camera for extremely easy operation, and maximum flexibility
- C-mount connection, eyepiece adapter available
- No installation of software required when used in HDMI mode
- HDMI (1080p) and USB camera, for TV live view and PC use
- Reliable color fidelity
- Highly recommended for wide range of applications
- SD card enables image and video capturing
- External mouse (included) for HDMI camera control
- Optika ProView and Optika Vision Lite softwares included (Any One of Choice Recommended and quoted PROview)

CAMERA SPECIFICATION

Digital camera resolution	2 MP (1920 x 1080)
Camera Resolution (PC)	9.85 (4096 x 2160)
Signal output	HDMI & USB
Sensor Size	1/1.9"
Sensor technology	CMOS
Sensor type	SONY
Image format	16/9
Pixel size	3.75 x 3.75 μ m
Frame rate (HDMI)	60 fps (1920 x 1080) - HDMI; 26fps (1920 x 1080) - USB
Sensitivity	1120 mV at 1/30sec
Dark Signal	0.15mV at 1/30sec
Exposure Time	0.34 msec - 4 sec
Binning	1x1
Camera power	DC 12V/1A
C-mount	YES
Toolbar	Zoom, Mirror, Comparison, Freeze, Cross, Browser, On screen measurement
Capture mode	Still image, Video