

Department of Zoology
North-Eastern Hill University Shillong-793022
Meghalaya

No. 1/DBT/SRH/NIT/Equip/2018 -1

Dated 16-07-2018

Dr.S.R.Hajong , P.I
Assistant Professor

NIQ for purchase of Stereozoom Microscope
NOTICE INVITING QUOTATIONS

Sealed quotations are invited from authorized dealers for the supply of Stereozoom Microscope for a DBT funded project in the Department of Zoology, North-Eastern Hill University, Shillong. The Stereozoom microscope along with technical specifications are listed in the Annexure-I

Sl.No	Name of equipments	Technical Specifications	Quantity
1	Stereozoom Microscope with accessories	As per Annexure-I	1

General terms and conditions

[1] The quotation should be submitted by post within 15 (fifteen) days of issue of this notice dated 16-07-2018.

[2] The tender notice may be withdrawn at any time without assigning any reason thereof.

[3] The decision of the Departmental Purchase Committee (DPC) in this matter shall be final. No queries in this regard would be entertained.

[4] The Stereozoom microscope along with required accessories should be delivered in good and working conditions, and installed at the Dept. of Zoology, NEHU, Shillong and free training should be given without any additional costs.

[5] Payment will be made to successful bidders only upon completion of supply and installation of the equipments and bills in triplicates have to be submitted for settling of payment.

[6] The rates should be inclusive of all taxes, freight charges and applicable tax as per norms should be clearly indicated.

[7] The rates should be quoted along with supporting documents of specifications and technical features

[8]. Quoted rates should be valid at least for a period of 6 (six) months.

[9] Details of availability of after sales support and warranty period shall have to be furnished during application.

[10] The quotation should be drawn in the name of 'Dr. S.R.Hajong, Principal Investigator, DBT Project, Department of Zoology, NEHU, Shillong – 793022, Meghalaya, Email: srhajong@nehu.ac.in

Annexure-I

Stereo Zoom Microscope with Apochromatic Optics and Scientific Digital Camera and Software

Microscope stand & Optics Carrier Greenough Type: Stand mirror-based transmitted light with the tiltable and shiftable mirror features Bright Field, Dark Field and Oblique light - plus qualitative polarization contrast as an addition, Optics carrier 8 : 1 zoom equipped with Apochromatic corrected zoom system , Zoom Click stops with Trinocular head ,Ergonomic Viewing angle 25° / 35° needed for relaxed working posture even after long hours of work, Ten precise detachable zoom click-stops 0.63x , 0.8x , 1x , 1.25x , 1.6x , 2x , 2.5x , 3.2x , 4x , 5x to be activated by choice for reproducible magnification and measurements

Observation: Lower viewing angle of 25° / 35° for a relaxed working posture,

Documentation: Phototube with 100/0 right path, 0.5 X camera adapters,

Magnification: Magnification range minimum 6X to maximum 100X, Additional Front Optics Apochromatic 2.0X with minimum WD of 35mm.

Eyepiece: Paired 10X, eyepiece with FOV 23mm or better, both adjustable for spectacle wearers, distortion-free, adjustable with exchangeable eyecup,

Working distance: Minimum 90-100mm with 1.0X objective and 10X eye piece,

Object field: 36 mm minimum with 1.0X, objective and 10 X eyepieces,

Power supply: Integrated power unit 12V DC 24W/100...240V AC/50...60Hz,

Gliding Stage: Gliding stage +/-20mm, rotatable, d=84mm, Stage clip, B/W plastic plate, d=84 mm, Clear glass plate, Ground glass plate, d=84 mm

Scientific Digital Color Camera:

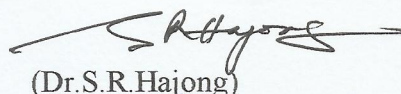
Scientific Digital Color Camera, 5 Megapixels having driver software, USB 3.0 PCIe x1 interface, USB 3.0 SATA power cable and Molex power cable. Basic resolution: 2560 (H) x 1920 (V) = 5.0 Megapixel, Pixel size: 2.2 μm x 2.2 μm , Readout of Sensor Sub-Regions ("ROI"): Adjustable, Digitization: 3 x 8 Bit / Pixel, Integration Time: 100 μs up to 2 s, Interface (camera): USB 3.0 Micro-B, Interface (PC / board): USB 3.0 Standard A, Spectral range: Approx. 400 nm - 650 nm, IR filter

PC & Printer: Branded Desktop PC & Printer to be quoted optionally,

Imaging Software: Software for Camera control function like auto white balance, auto color balance, Gamma, contrast, offset saturation, exposure adjustment; Capture still images. Post processing function and measurement capability, including size, angle, area, perimeter, circle radius etc. μ bar scalings.- Text annotation, etc. Supports Window systems 7/10

Warranty: Minimum 12 months from the date of installation,

Microscope and Camera must be from same manufacturer for better system integration. Dealer to mention availability of nearest After Sales Support Centre with name and designation of Personnel. Dealer to furnish Point to Point Technical Compliance Statement.



(Dr. S. R. Hajong)

Dr. S. R. Hajong, FI
DOT Project (No. 01/01/17/NE/TAX, Dated 29.03.2018)
Component-1, Subproject-17
"Quantitative assessment of ... Cereals from Northeast India"
Department of Zoology
School of Life Sciences
HNU, Shillong - 783022