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बीरबल साहनी पुरावनस्पतिविज्ञान संस्थान  
BIRBAL SAHNI INSTITUTE OF PALAEOBOTANY  
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(भारत सरकार के विज्ञान और प्रौद्योगिकी विभाग का एक स्वायत्तशासी संस्थान)  
(AN AUTONOMOUS INSTITUTION UNDER DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA)

संख्या  
No. C-618

BSIP Web Site  
Coman/Reg

दिनांक  
Dated 24.08.2015

Dear Sir,

We are in need of an Upright Microscope with accessories (specification attached). You are requested to send us your lowest rate for the same in a sealed cover superscribing "Quotation for Upright Microscope" latest by September 11, 2015.

Yours sincerely,

( Ram Shukla )  
Registrar

## **SPECIFICATION OF THE UPRIGHT MICROSCOPE**

Upright Microscope frame with gradation filter/Koehler illumination Transmitted Lamp Housing - Lamp house for 100W halogen with connecting cable, Coded Revolving Septuple Nosepiece- Coded seven-fold revolving nosepiece with a slot for analyzer or DIC slider and Control unit for coded function, Analyzer for transmitted light, Trinocular tube with Three position Light Path selection (0:100/80:20/100:0), Eyepiece- Widefield eyepiece 10X/22mm (AntiFungal Type)/Widefield eyepiece 10X/22mm (AntiFungal Type, Mechanical stage with right-hand low drive control, 8-position universal condenser, Dry top lens, Plan Achromat 10X FN 22 mm, Plan Achromat Phase 20X (Spring Loaded) F.N.22mm, Plan Semi-Apo Phase 40X (Spring Loaded) F.N.26.5mm , Super Apo 40 X Dry- Plan Super Apo 40X (Spring Loaded) F.N.26.5mm for DIC observation ,Plan -Apo 60x Oil NA.1.42/WD .15mm ; F.N.26.5mm (Spring Loaded) for DIC observation, Plan Semi-Apo 60X Dry F.N.26.5mm (Spring Loaded; correction ring), Plan Super Apo 100XOil F.N.26.5mm (Spring Loaded) for DIC Observation.

5-Megapixel Color CDD Camera 3.45umX3.45um Pixel Size, At least 24bits/bit depth mage capturing at full HD(1920X1080) PC and 1224X960 Pixel Makes and Max. 30 fps at live display, Interface: USB 3.0Analysis Software -Overlay Multiple Images. Document groups for side by side Image comparison synchronize multiple image ,image processing online shading correction , Movies playback.TileView.Snap/Movieacquisition. Time Lapse at specific intervals. Geometry/Combine/FilterProcessing.Interactive measurements (Point, arbitrary line, polyline). It must have software for Extended Focus Imaging facility either manual Extended Focus. Imaging facility must be quoted software based.

Adaptor- C-mount video attachment with 0.5X lens, Dust Cover: for upright microscope

Accessories: All accessories must be quoted for functioning the microscope in the lab.

All accessories must be quoted for phase contrast, DIC observation & camera attachments separately. Workstation Unit: The microscope should be supplied with a compatible branded computer system with 1TB HDD/ 8GB RAM/ minimum 21" TFT LED monitor and DVD R/Wireless key board, Mouse, Wi-Fi connectivity ready option, Bluetooth connectivity ready option,USB 3.0 Multiple port with 1 year licensed antivirus with Color laser printer with scan and copy facility.Microscope platform: vibration free, customised, strong wooden/granite top table