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Request for submission of quotation for upright compound motorized advance research microscope for bright field, DIC and Fluorescence microscopy with accessories

Please send a quotation in triplicate, in a sealed envelope, to the undersigned for the supply of the following:

Specifications for upright compound motorized advance research microscope for bright field, DIC and Fluorescence microscopy with accessories:

- 1. Microscope Stand:** Ergonomically designed Motorized Microscope Stand with Z step size resolution of 25 nm or better with dedicated TFT screen fixed to microscope frame for controlling the motorized functions of the microscope like changing of objectives, fluorescence filters, contrast manager, shutter for transmitted and reflected light etc. It should also have light manager and contrast manager.
- 2. Nosepiece:** 6 Position Motorized DIC nosepiece with slots for individual DIC sliders.
- 3. Observation Tube:** Siedentopf design Trinocular Observation tube with inclination angle of 15 degree which should support F.No. 23 or higher. It should have 3 step light path selector of 100:0/0:100&70:30
- 4. Condenser:** Achromat Aplanatic Universal Motorized Condenser for Bright Field, Phase contrast, DIC, Dark field up to 40X having NA of 0.9 with 8 position turret disk (1 Bright field position, 3 Phase position (Ph1, Ph2, Ph3), 3 mounts for DIC module & 1 dark field stop). The condenser should work for all Objectives from 1X - 100X.
- 5. Eyepieces:** Paired Wide field Eyepieces of 10X with minimum field of view 23mm., focusable & adjustable diopter setting of +/- 5.
- 6. Illumination:** 12 V 100W Halogen Illumination (12V 100W Halogen Lamp).
- 7. Objectives:** Plan Neofluar 10x/0.3, Plan Neofluar 40x/0.75, Plan Apochromat 60x/63x / 1.40 (Oil) with complete DIC Attachment (Polarizer, Analyser & DIC Module) for 40x & 63x objectives. All the settings for DIC should come into light path as soon as DIC mode is selected from Contrast Manager of TFT.
- 8. Mechanical Stage:** It should have a Rectangular Hard coated anodized surface mechanical stage with stage size of 2150 X 165 mm for X and Y movement of the specimen with right drive 130mm (extendable by 10-15mm).
- 9. Fluorescence Attachment:** It should have a 6-position reflector turret with Push and Click module (One should be able to Mount/ change / remove filter without using any Allen key) for mounting different Filter cubes. The beam path should be apochromatically corrected. It should have a self adjusting 100W Mercury illumination. Band Pass Fluorescence Filter for FITC/GFP should be quoted. There should be a provision

of controlling the intensity of the mercury burner with Control panel having LCD display of mercury light in percentage.

10. **Monochrome Camera:** 2/3 Inch CCD Cooled Monochrome Camera with 1.4mega Pixel. Pixel size should be 6.45X6.45 um. It should be a 12 Bit camera with fire wire interface. The Dynamic range should be more than 65db.
11. **Metal Halide illuminator:** 120 watts metal halide with computer control through the same imaging software controlling the camera.
12. **Adapter for the Monochrome Camera:** 1x C-Mount Camera Adapter for existing Carl Zeiss Model Axioskop2 Plus should be quoted.
13. **Fluorescence Filter:** Band Pass Fluorescence Filters for DAPI, FITC, RHODAMINE and a filter with Ex-592/24nm,BS 615 and EM 675/100 should be quoted for existing Zeiss Axioskop2 Plus.
14. **Eyepiece:** 10X /23 -01 No. for existing Zeiss Axioskop2 Plus.
15. **Compatibility:** The system should be compatible with existing Carl Zeiss Camera and Axiovision Software available with us. There should be a provision of controlling the motorized components of the microscope using the available software with us.
16. **Upgradable:** The Above Microscope frame should be compatible with X-Y Motorized stage as and when required in future.
17. **Warranty:** The entire should carry a standard warranty of 12 Months from the date of installation and additional two years service should be provided free of charge.

Your quote should mention the following:

- Point wise technical compliance statement. (Mentioning the page No of Catalogue)
- Validity at least for 90 days.
- Warranty/AMC period for the instrument.
- FOB (indicating port of shipment) and CIF (New Delhi) values separately.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable).
- Authorization certificate from the principal if you are an Indian agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.

Please include technical literature to support your product. We look forward to your best offer for a model that meets the above mentioned criteria.

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