

FOR. SR. No. - 1

SPECIFICATIONS OF BINOCULAR UPRIGHT COMPOUND MICROSCOPE

- 1) Microscope should be with infinity corrected optical system with anti-fungal treatment
- 2) Built-in transmitted light illumination with 6V: 20W or above illuminator
- 3) External main power supply with electronic main control from 110V to 240 V
- 4) Carrying handle should be built into the stand.
- 5) Backward inclined (away from the operator) quadruple revolving nosepiece with precision click stops.
- 6) ABBE condenser with numerical aperture 1.25 with built-in aperture diaphragm
- 7) Rackless of ball bearing stage should be 75/76 mm (X) 30mm (Y)
- 8) Binocular observation tube inclined at 30 degrees. Interpupillary distance should be between 48mm to 75mm or better
- 9) Paired eye pieces with 10X magnification, field of view 18mm or more and should be suitable for separate wearers
- 10) High contrast fully plane achromatic objectives, 4x/0.10, 10x/0.25, 40x/0.65 and 100x/1.25 oil
- 11) Microscope should be upgradable for incident light LED fluorescence techniques
- 12) Microscope should include day light filter, immersion oil and dust cover.
- 13) The manufacturer should have ISO 9001, 14001; CE and CSA certification and all the certificates need to be included.
- 14) Demonstration of the system will be essential criteria for technical evaluation.
- 15) The supplier should have some of these microscopes supplied and installed in the region and a certificate from the user attesting the satisfactory performance should be included
- 16) A five-year comprehensive warranty needs to be provided.