

Specification for APO Stereozoom Microscope

A) Magnification:

- i) Zoom Ratio 7:1* or better;
- ii) Magnification 1.0 X - 80X or better* with continuous adjustable option

B) Optics:

- i) Anti-fungus treated, Parfocal lens for one time focus across all magnifications.
- ii) 1X and 2X Objective lens PLAN APO
- iii) Paired wide-field eyepiece of 10X
- iv) Should have field of view of 23mm or better and should be suitable for eyeglass wearer
- v) Adjustable diopter setting +/-5 (or better) including eyecups and interpupillary distance adjustment.

C) Stand:

- i) Focus Drive; coarse and fine adjustment
- ii) Trinocular tube with 30° viewing angle or better; option of mounting camera should be there

D) Base:

- i) Thickness 4 cm or better
- ii) Scratch-proof
- iii) provision for transmitted light

E) Illumination:

- i) Double gooseneck cold light source,
- ii) Transmitted LED cold light or equivalent bright light with controller to adjust amount of light as per requirement.
- iii) Ring Light

F) Other requirements:

- i) Working Distance $\geq 70\text{mm}^*$
- ii) Resolution 300 lp/mm or better*
- iii) Dustcover
- iv) Lens cleaning paper/kit
- v) Company should have ISO9001, 14001, CSA, CE accreditation
- vi) Company should have had installations in reputed research institutes in India in the last 2 years (please specify the names of the institute)
- vii) Demo of equipment is desirable
- viii) 5 yrs comprehensive warranty with annual free service preferred

*with 1X objective and 10X eyepiece

NOTE:

1. There will be a two-phase bid system with technical bid and financial bid. Technical bid will carry 50% of the marks and financial bid 50% of the marks. Marks for the technical bid will be allotted based on whether the microscope satisfies the requirements, technical presentation by the vendors and/or demonstration of the microscope.
2. The installation of the equipment should be within 6-8 weeks of supply.
3. The quoted price should include installation, operator instructions and institutional on-site training.
4. Installation will be considered complete only after successful demonstration of all the applications for which this system is being set up for. On-site training for as long as is required for all required users to be able to optimally use the system should be provided by personnel from the original company.
5. Technical support in form of on-site servicing should be available within 24 hrs. Hence, Local post-sale support will be preferred
6. All the specifications should be supported by documentation in the form of original brochure/catalog. Photocopy will not be accepted. We reserve the right to disqualify parties who do not comply with the original documents. Compliance statement should be attached with markings in the original catalog
7. We reserve the right to change the final configuration of this system.