



AIIMS/R/CS /Micro/20/29/LPC

Date: 18/09/2020

विषय/Sub:Inviting Quotations for procurement of 01 no of Binocular Microscope with LED Fluorescence for diagnostic works in proposed new TB Laboratory in Microbiology Department, at AIIMS Raipur.

### कोटेशन सूचना QUOTATION NOTICE

Sealed quotations are invited from intending registered Stockist / Distributors having GST Number and relevant documents for 01 no of Binocular Microscope with LED Fluorescence for diagnostic works in proposed new TB Laboratory in Microbiology Department, at AIIMS Raipur. The quotation should be submitted to Medical College Building, 2<sup>nd</sup> Floor, Gate no.05 office of Store Officer up to 3:00pm on 25/09/2020. The quotations will be opened on the same day at 3:30pm. Details of item are given as under:-

S.No.	NAME	REQUIREMENT	UNIT	Make & HSN Code	UNIT RATE IN Rs.	GST in %	Unit Rate with GST	TOTAL PRICE in RS.
1	Binocular Microscope with LED Fluorescence Specification attached on separate annexure	01	No					

#### नियम एवं शर्तें

#### Terms & Conditions.

1. Rate should be mentioned in words & figures both.
2. **GST rates applicable** on your quoted item may please be confirmed.
3. Delivery Schedule- within 15 days from the date of issue of P.O.
4. No additional documents related to this NIQ will be entertained after NIQ opened.
5. Price should be F.O.R. for Destination basis (i.e. Concerned Department).
6. LD@0.5% of delayed supply per week or part week for delay of supply of material subject to maximum upto 10% of delayed supply should be deducted.
7. Quotation No/Name and Due date of opening must be written on top of the envelop.
8. **The GST registration details may please be furnished.**
9. Please confirm if there any change (Upward/Reduction) in your **Basic Price** structure. And you are also requested to pass the Input Credit as per the following **Anti Profiteering Clause** of GST: **“Upon Implementation of GST, any reduction in the rate of tax on supply of goods or service or the benefit of input tax credit shall be passed on to AIIMS Raipur by way of commensurate reduction in the prices”**
10. Brand & Make should be clearly mentioned in offers
11. AIIMS Raipur reserved the rights to place order for full or part quantity to one or more firm.
12. Validity of offer should not be less than 90 days.
13. Supply, Installation and Commissioning will be done by firm (if applicable).
14. The quantity shown in above column are totally tentative, it may be increase and decrease at the time of placement of purchase order.

Stores Officer  
AIIMS Raipur (C.G.)

**Vendor Details**

Name	
Aadhaar No. (if any)	
PAN	
GST.NO.	
Address	
City	
State	
Pincode	
Mobile No.	
Phone No.	
E-mail	
Bank Name	
Bank A/c No.	

## Technical specifications

### **Binocular Microscope with LED Fluorescence Attachment**

- **Body** - Sturdy, stable, base body with focus adjustment devices positioned for a prolonged comfortable use and easy, precise movement. The body shall be epoxy powder coated durable metal, heat treated and resistant to standard reagents used for staining, organic solvents used for cleaning of lenses and disinfectants.
- **Optical system** - All optical parts including objectives, eye pieces, lenses, prisms, should have anti-reflective and anti- fungal coating.
- **Binocular eyepiece** - Binocular eyepiece, preferably with a tube flexible for use in an upper and lower position to ease the use by different lab workers, an ergonomic viewing angle of 30°, a tube rotatable through 360° at interpupillary distance ranging from at least 48–75 mm, maintaining parafocality.
- **Eyepieces** - Paired, high-quality, achromatic, wide field, 10 x magnifications. The eyepieces should have a minimum field number of 18, an eyepiece diopter adjustment on at least one eyepiece and no pointer.
- **Objectives** - All objectives should be antifungal coated, plan achromatic, infinity corrected and usable without cover glass. The objectives should be of 4x, 10x, 40x and 100x magnification with 40x and 100x (oil immersion) of spring-loaded type.
- **Marking and identification** - All objectives should be engraved with the following information:
  - name or code of the manufacturer
  - Magnification and numerical aperture (NA).
- **Nose piece** - Backward/outward tilted revolving nose piece to accommodate at least 4 objectives, any ports not covered by an objective should be closed with dust proof metallic or hard plastic screw caps. The nose piece should be provided with ribbed grip for easy rotation on a precision ball bearing mechanism for smooth and accurate alignment with precise click stops. In changing from one objective to another or reintroducing the same objective by rotation, the object in the centre of the field should not appear displaced by more than 0.04mm in the object plane in any direction.
- **Stage** - Rectangular built in, uniformly horizontal, mechanical stage. The stage should be provided with a spring-loaded slide holder for safe and exact positioning of the slide and a focus-lock to prevent accidental damage to the objectives. The construction should allow a smooth travel in transverse directions. Travel range of at least 75 x 30 mm (w x d) with Vernier's scale, fatigue-proof position of knobs for movement, right or left-hand operation.
- **Condenser** - Sub stage condenser of Abbe type, 0.9/1.25, with aspheric lenses with rack and pinion arrangement incorporating an iris diaphragm.
- **Substage illuminator** - Substage illuminator for brightfield microscopy, with possibility to switch easily between FM and brightfield without tools with: built in white LED source (3W,

6V) with light source life time >30,000 hours. The system should provide a light intensity adjustment device, and an easily accessible on/off switch. The lamp should be provided with a lamp socket for easy replacement of the bulb. The housing for the light source should be designed to prevent dispersion of light and mounted not to heat up the body of the microscope

- **Fluorescence illumination** - Fluorescence illumination, depending on microscope type may be:
  - a built-in LED blue light source with maximum wavelength close to 450 nm for reflected light examination or
  - an LED blue light source attachment with maximum wavelength close to 450 nm that is fitted into a special objective for reflected light examination or
  - an LED blue light source attachment with maximum wavelength close to 450 nm that is fitted onto the illumination system of a standard microscope and sliding barrier 510 nm long-pass filter for transmitted light examination.
- **Focusing knobs** - Co-axial coarse and fine focusing knobs capable of smooth fine focusing movement over the full range of coarse travel. The fine focusing movement should have sensitivity of two microns or less (finer) with 200-500  $\mu$ m per rotation over the entire coarse focusing range. Focusing knobs should be at both sides. A focusing stop safety arrangement/mechanism should be provided to avoid slide breakage, as well as a total range of at least 15 mm. All metallic parts of the microscope to be corrosion proof, acid proof and stain proof.
- **Supply voltage:** 220-250, AC, 50 Hz Voltage and plugs shall be adapted to those used inside the country. The line cord / Power cord supplied with the equipment shall be of acceptable durability, length, and current carrying capacity complying with Indian Standards.
- **Power consumption:** Conform to electrical safety IEC-60601-1, UL 61010-1, EN 61010-1. Power supply, wide range input with 6 V converter.
- **Manufacturer's certificate** - The manufacturer must have a CE certification for quality management system and a type-test certificate of relevant optical and mechanical tests. Quality and safety standards met by the product must be listed.
- **Accessories** -
  - Dust cover made of antistatic material.
  - **Eye protection Essential:** If using an FM without a darkroom, a pair of well-fitting soft rubber pieces to protect the eyes and block stray light. One antistatic cleaning brush for each microscope.
  - At least one blue filter per microscope (wrapped separately in a box).
- **Warranty** - Should provide minimum TWO years comprehensive warranty.