## TECHNICAL SPECIFICATIONS FOR

**Ophthalmic Operating Microscope**

Following are the minimum requirements. Products offered must meet these parameters herein.

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Technical specifications/ composition of tender enquiry</th>
<th>Compliance on each parameter with detailed substantiation how the offered product meets the requirement. (Simply writing as YES/Complied/As per BIS/CE/ISO terms is not allowed)</th>
<th>Remarks if any</th>
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</thead>
</table>
| 1      | Following are the minimum requirements. Products offered must meet these parameters herein  
**A) MICROSCOPE :-**  
a) Magnification changes motorized zoom/step type (zoom ratio – 1:6) approx  
b) Eye Pieces - 12.5 x/10 x (± 5D adjustment in eye pieces is preferable) (Inter Pupillary Distance adjustment Knob is preferable)  
C) Binoculars - 45 degree binocular inclined with converging optics  
d) Fine focusing - Motorized  
e) Total magnification range - 4.28 x to 21.4x  
f) Objective – F= between 175/200mm | | |
| 2      | **B) Illumination System** -  
a) Light source - halogen lamp / LED (LED Preferred) (quick lamp change facility should be available.)  
b) illumination - cold light coaxial illumination by fiber light guide  
c) illumination control - continuous adjustment  
d) Filters - Heat absorbing, UV filter, yellow filter, cobalt blue, red free  
e) Illumination - stable and good red reflex is essential  
f) XY stroke ±25 mm | | |
| 3      | **C) Stand** -  
a) Floor mounted with lockable castor wheels  
b) Arm vertical stroke-approx. 400 mm | | |
| 4      | **D) Foot Switch**  
Should have motorized step zoom and focusing | | |
| 5      | **E) TV relay facility should be available for viewing the surgery by observers.** | | |
| 6      | **F) Wild field lens should allow the field of view as far as the ora serrate for vitreoretinal surgery.** | | |
| 7      | **G) BIOM with SDI should be provided** | | |
| 8      | **H) Accessories (standard)**  
a) Spare Halogen bulbs – 6 (if LED is not supplied)  
b) Fuses - 6  
c) Dust Cover – 1  
d) Sterilisable caps for microscope handles – 4 sets  
e) Appropriate UPS backup | | |
| 9 | **1) Accessories (Optional)**  
Assistant binocular microscope  
Beam Splitter.  
Note- Please specify independent price in INR for each component / accessories.  
  Minimum warranty period 2 year.  
  Minimum 5 years AMC included as per State Government purchase norms.  
  CE Certification OR US FDA approval. |