

**TECHNICAL BID PROFORMA**

Item Name: Trinocular stereo zoom microscope with camera

**1.0 Bidder Eligibility Criteria:**

| I | Bidder Eligibility Criteria-I<br>(Public Procurement – Preference to Make in India)  | Class I /<br>Class II | Local<br>Content<br>value | Reference,<br>Page No. |
|---|--|-----------------------|---------------------------|------------------------|
| I | Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16 <sup>th</sup> September 2020 and other subsequent orders issued therein. |                       |                           |                        |

**2.0 Technical Compliance:**

| S.No | Specification  | Comply/<br>Not<br>Comply | Ref.<br>Page<br>No. |
|------|--|--------------------------|---------------------|
| 1.   | Optical system with wide magnification range from 6.7 to 45X (With 10X eye piece)  |                          |                     |
| 2.   | Magnification Range should be between 6.7X and 45X with 10X Eye piece (or better)  |                          |                     |
| 3.   | Zoom Body: Trinocular type with built in adapter to mount the camera   |                          |                     |
| 4.   | Working distance should be 110mm or better   |                          |                     |
| 5.   | Eye Piece: 10X Eyepiece, with proper pupil aberration control and appropriate positioning in the eye point for comfortable observation   |                          |                     |
| 6.   | Focus control: Coarse with tension adjustment  |                          |                     |
| 7.   | Tube Inclination Angle : 45°   |                          |                     |
| 8.   | Interpupillary distance : 52 to 76mm or better   |                          |                     |
| 9.   | Field of View : 32mm or better at the lowest magnification & 4.5mm or better at highest magnification of 45x                             |                          |                     |
| 10.  | Auxiliary Objective Lens: 2x Auxiliary objective to achieve total magnification of 90x or better with working distance of 38mm or better |                          |                     |
| 11.  | Illumination: LED Ring illuminator with intensity control.   |                          |                     |
| 12.  | Dust cover and necessary power cords   |                          |                     |
| 13.  | Stand should be provided   |                          |                     |

|     |   |  |  |
|-----|---|--|--|
| 14. | Digital color Microscope CMOS camera with 3 MP or better resolution , USB 3.1 connectivity    |  |  |
| 15. | Pixel size ( $\mu\text{m}$ ) : $2.64 \times 2.64 \mu\text{m}$ or better with 30 fps or better |  |  |
| 16. | Appropriate computing system with necessary configuration should be provided.                 |  |  |
| 17. | Minimum one year warranty should be provided.   |  |  |
| 18. | Installation should be done onsite.   |  |  |