



### To Whom It May Concern

A Request For Quote (RFQ) from domestic (India based) manufacturers for the supply of a Trinocular Stereozoom microscope with fluorescence along with a digital imaging system to view and image fluorescent *Caenorhabditis elegans* as part of a limited tender for the Center for Neuroscience (CNS) in IISc. The quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian Authorized distributor.

With respect to this tender, the rules laid out by the Government of India in order No. P45021/2/2017-99-BE-II issued by the Public Procurement Section, Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 16th September 2020 will be followed. The bidders must go through the Government of India order stated above and follow all the rules and regulations therein.

Relevant definitions as per Government of India order: • Class-I local supplier - A supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%. • Class-II local supplier - A supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%. • Local content – The amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent.

#### Procedure:

1. Please submit the proposal by email to the address specified at the end of this tender. Please write “Tender for Fluorescent Stereomicroscope Imaging System” as the email subject.
2. The quotation should be addressed to The Chairman, Centre for Neuroscience, Indian Institute of Science, Bangalore. The deadline for submission of proposals is **Monday, 29th of November 2021, by 5 pm.**
3. The covering letter should clearly state that whether the vendor is a Class-I or Class-II local supplier distinguished by their “local content”. Failing this the bid will be automatically rejected.
4. The vendor to state the percentage of the local content and provide self-certification that the item offered meets the minimum local content requirement. They should also give details of the location(s) at which the local value addition is made.
5. Separate detailed justification needs to be given to substantiate the qualification as Class 1 and Class 2 suppliers and the intender reserves the right to crosscheck the factual



validity of the same and one if some foreign parts or equipment is being put forward then please submit the “bill of material” details for the same for evaluation.

6. The lead-time for the delivery of the equipment should not be more than 3 months from the date of receipt of our purchase order.
7. The technical proposal should contain a compliance table beside the technical specifications listed in the description section below.
8. The compliance table should include all the items and in the same order. The first column should describe your compliance in a "Yes" or "No" response. If "No," the second column should state the extent of the deviation. The "third" column should state the reasons for the deviation, if any. The fourth column can be used to compare your solution with that of your competitors or provide details as requested in the technical requirements table below.

### **Technical Specifications:**

	Description	Specifications
1.	Trinocular Stereozoom microscope with transmitted and reflected illumination	Stereozoom with parallel optic type (zooming type) apochromatic optical system. The zooming body can be manual with a zoom ration of 12.5:1 or higher and zoom range of 0.7-80X or higher. Plan apochromat objective 1X WD/WF/70 mm or equivalent. The nosepiece should be capable of holding at least 2 objectives at a time. Eyepiece lens 10X with FOV of 22 mm or more with diopter adjustments on both eyepieces. Trinocular tube with an inclination angle of approximately 15 degrees. The base/stand should have LED diasopic illumination and the system should have double arm fiber illumination with LED light source for the fiber illuminator (100- 240V).
2.	Fluorescent attachment	4 filter-cube mountable, built-in fly-eye lens, Fluorescent light attachment with high vapor lamp of 130W light source or its equivalent with at least 2000 working hours for fluorescence excitation. The fluorescence illumination light path should be of fly-eye lens or equivalent/better to get good contrast in the final image. Fluorescence attachment should be a fiber connection and no heat or electrical noise from the lamp should be conducted to the microscope body.
3.	Camera	Suitable adapter for the camera. Digital CCD/CMOS image sensor of size at least 36X23.9 mm, Effective pixels at least 16.25 megapixels, pixel size at least 7.3 mm and quantization 14 bit or better. Minimum frames per seconds speed with pixels should be 6fps (4908X3264 pixels) and 45fps (1636X1088 pixels). USB 3.0 or equivalent interface.
4.	Image analysis software	Image analysis software that allows for image acquisition, 3D imaging facility, time lapse, Z-stacking,



		annotations. Software should be licensed with key.
5.	Computer and storage device	Branded computer with Intel Core i5 processor, original intel other board, 8GB RAM and 19" monitors, 1TB hard drive, 2GB dedicated graphics card, keyboard, mouse and UPS. Suitable windows operating system preloaded.

The microscope, camera and software should be from the same manufacturer for better usage compatibility.

**Commercial Terms and Conditions:**

1.	Customer Base	Item must have been supplied to renowned laboratories/ research institutes/ universities. Details of use to be given.
2.	Price & Tax component	The base price and the tax component should be mentioned specifically
3.	Warranty	Please list your warranty terms; 1 year or more preferable.
4.	Payment Terms	Payment terms should be after supply.
5.	Support	Online or in-person support for the system and software must be available upon installation for a period of at least 1 year
6.	Shipping	FOR-IISc Bangalore basis in INR only
7.	General Terms & Conditions	<p>1. The vendor should attach MSE certificate or mention as "class1 supplier or class2 supplier".</p> <p>2. The decision of the purchase committee will be final. The Institute reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids, at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.</p> <p>3. The quotations should clearly indicate the terms of delivery, delivery schedule, tax, and payment terms.</p> <p>4. After the award of purchase order, the vendor must provide an Order Acknowledgement within 30 days from the receipt of the Purchase Order.</p> <p>5. 100% payments will be released after the completion of delivery and satisfactory installation subject to TDS as per rules. As per GFR no advance payment can be made to domestic vendors, unless an equal amount of bank guarantee is provided.</p>

Sincerely,

Kavita Babu

Associate Professor

Indian Institute of Science, Bangalore-560012

Email: [kavitababu@iisc.ac.in](mailto:kavitababu@iisc.ac.in)

080-22932062