

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH  
THIRUVANANTHAPURAM (IISERTVM)  
(Govt. of India, Ministry of H.R.D)

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IISERTVM CAMPUS  
MARUTHAMALA.P.O, VITHURA  
THIRUVANANTHAPURAM 695551  
KERALA, INDIA.

Date: 18/12/2017

**INVITATION TO TENDER**

**No: IISER/PUR/1368/RN/SB/17-18**

**Due Date: 02<sup>nd</sup> January 2018 [4PM]**

**Date of Opening: 03<sup>rd</sup> January 2018 [3PM]**

Dear Sirs,

**SUB: Supply of Trinocular Stereo Zoom Microscope**

We invite Sealed Tenders for the following items:

Sl. No	Description	Qty
1	<b>Trinocular Stereo Zoom Microscope</b> <i>[Specifications as per Annexure I]</i>	1

Please quote your lowest rate and shortest delivery period as per the following terms. Your offer in sealed cover **SUPERSCRIBING TENDER NUMBER AND DUE DATE** shall reach us on or before the due date and time.

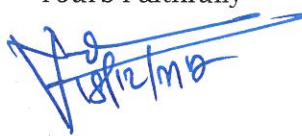
- EMD** : Rs.15,000/- should be paid through State Bank Collect- Tender No & Company Name must be mentioned in the Remarks column. Quotes should accompany a copy of Transaction slip /Print out **OR** Bank guarantee equivalent to the EMD value with validity 90 days **OR** Bidders should submit an undertaking in their letter head as per clause 12 of Instructions to Tenders (Imports).
- Payment** : Within 30 days after supply and installation/Net 30 days /LC **No advance payment will be made by IISERTVM.**
- Delivery** : To be delivered at our **Vithura Campus** (Free delivery). If import, mention Ex-works/FCA/CIP terms with clear breakup charges.
- Taxes & Duties** : Indicate taxes and duties. We are exempted for customs duty under 51/96 notification and GST under 45/2017 & 47/2017 Dated 14/11/2017 notifications.
- Discount** : Indicate, if any.
- Delivery Schedule** : Required Immediately. Indicate your schedule
- Validity of quote** : 60 days

Thanking You,

Yours Faithfully

Please see the rear side for other Terms & Conditions  
Please visit the following websites for more information

1. [www.iisertvm.ac.in](http://www.iisertvm.ac.in)
2. <https://www.eprocure.gov.in/epublish>

  
Deputy Registrar  
In-Charge  
[Purchase & Stores]

**P.S. CATALOGUE/LEAFLET FEATURING ALL TECHNICAL SPECS/INFORMATION OF THE PRODUCT QUOTED SHALL ACCOMPANY THE OFFER.**

# IISER-TVM

## INSTRUCTION TO TENDERERS [IMPORTS]:

- PRICE:** The price quoted shall be firm. The terms of FOB/EXW/FCA/CIF/CIP etc shall be clearly mentioned.
- AGENT & AGENCY COMMISSION:** In case Tenderer is represented by any agent in India, their name and address shall be furnished. The amount of commission included in the price shall be clearly shown in the offer; which will be paid directly to the Indian Agents by purchaser in equivalent Indian Rupees. In case Indian agents existing and their agency commission is not shown in the Tender, reasons for the same shall be clearly mentioned in Tender. Details of Indian agent's statutory registration shall be stated. If Agency Commission is paid by Principals in foreign currency, the reasons for the same and exemption from Enforcement Directorate in India shall also be provided.
- LEAFLET/CATALOGUE:** Tenderer should furnish all necessary leaflet/catalogue etc., of the stores offered by him to enable the Purchaser to evaluate his offer correctly.
- MODE OF DESPATCH:** Tenderer shall indicate the mode of dispatch (i.e., Sea/Air-freight/Parcel Post, etc.) depending upon the normal mode of dispatch adopted by him for the type of stores offered for consideration of the Purchaser.
- COUNTRY OF ORIGIN:** Tenderer shall indicate in his offer the country of origin of goods offered and the name and address of the manufacture.
- INSURANCE:** If insurance of the goods is felt necessary, the same shall be advised by the Tenderer in the offer.
- DELIVERY/SHIPMENT:** The time for and date of delivery quoted shall be reasonable/realistic and shall strictly be adhered to in case of placing order on the Tenderer.
- MODE AND TERMS OF PAYMENT:** Payment in full (excluding the amount of Agency Commission included in the price payable directly by the Purchaser to the Indian Agents in Indian Rupees) will be made immediately on presentation of the prescribed documents against SIGHT DRAFT or LETTER OF CREDIT or WIRE TRANSFER against shipping documents. **OURS BEING A GOVT OF INDIA EDUCATIONAL INSTITUTE WE ARE UNABLE TO MAKE ANY ADVANCE PAYMENT**
- WARRANTY:** Period of warranty and conditions shall be clearly mentioned in the Tender.
- GENERAL:** The Tenderer shall also be complied with the following:
  - Mention your Banker's name and address.
  - Show approximate net and gross weight and dimensions of packages/ cases. If dimensional details are available the same should also be indicated in your offer.
  - Furnish list of recommended spares for satisfactory operation for a minimum period of one year if the quote is for Plant & Machinery, Equipments etc.
  - Details of any technical service, if required for erection assembly, commissioning and demonstration.
  - Conform that the prices quoted are inclusive of all taxes, levies, duties arising in the tenderer's country.
  - Samples, if called for, will be sent free of all charges.
  - Late tenders and Delayed will not be considered.
  - Offers made by Indian Agents on behalf of their Principals, should be supported by the Proforma Invoice of their Principals.
  - The authority of person signing the tender, if called for, shall be produced.
  - The purchaser reserves the right to accept or reject the lowest or any other offer in whole or in part without assessing any reason.
- Tender Opening:** All tenders will be opened at **Indoor Stadium, Vithura Campus**. Authorized representatives with authorization letters of the bidders may attend the Tender Opening.
- As per GFR 2017 clause 170 (III) Bidders who fail to pay the Earnest money deposit has to mandatorily sign a bid securing undertaking that if the bidder withdraw or modify the Bids during the period of validity, or if the bidder is awarded with the contract and they fail to sign the contract, or to submit a Performance security before the deadline defined in the request for bids document, they will be suspended for the period of time decided by the institute.**

## INSTRUCTION TO TENDERERS [INDIGENOUS]

- Tenders should be sent in sealed envelopes superscribing the relevant tender no. and the due date of opening. Only one tender should be sent in each envelope.
- Sales Tax and /or other duties/levies where legally levies and intended to be claimed should be distinctly shown separately in the tender.
- Your quotation should be valid for a minimum period of 90 days from the date of opening of the Tender. Quotation with firm prices will be preferred.
  - Prices are required to be quoted according to the units indicated in the Invitation to Tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
- (a) Preference will be given to those tenders offering supplies from ready stocks. The basis of delivery is at IISER site free of cost.**  
**(b) Our payment terms are within 30 days of receipt and acceptance of the item at our site.**
- All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.  
**Specifications:** Stores offered should strictly conform to our specifications. Deviations, if any should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary along with the quotations. Test Certificates wherever necessary should be forwarded along with supplies. Whenever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate reasons for the same.
- IISER shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted.
- Corrections, if any, in the Quotation must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail. Quotation must have price for each line item and totaling of the price including taxes and duties should be clearly mentioned.
- The tenderer should mention the name of his bankers, Sales Tax Registration, PAN number etc in the tender.
- The authority of the person signing the tender, if called for, should be produced.
- IISER being a Govt of India Educational and Research Institute, is exempted from payment of GST under Notification No. 45/2017 & 47/2017 dt 14/11/2017 and Customs Duty under Notification No. 51/96- Customs dated 23<sup>rd</sup> July 2009. Also, we can issue Form 16 as per VAT Rules.
- The stores supplied should be covered with minimum of 1 year warranty from the date of supply, installation and commissioning.
- Earnest Money Deposit/ Bid Security should be submitted along with your quote as mentioned in Invitation for Tender. EMD should be in favour of Indian Institute of Science Education and Research Thiruvananthapuram valid for 90 days.

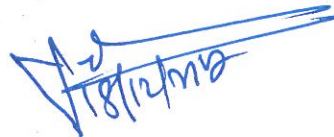
**Annexure I to Enquiry**  
**No. IISER/PUR/1368/RN/SB/17-18**  
**18<sup>th</sup> December 2017**

**TECHNICAL SPECIFICATIONS for Trinocular Stereo Zoom Microscope**

Trinocular Stereo Zoom Microscope should have the following features for protein crystallography applications like crystal observation, manipulation and mounting of crystals for flash freezing:

1. **Working Distance:** It should have a good "object to lens" Working Distance (W.D.) of at least  $> 60$  mm.
2. **Observation tube:** It should have a trinocular observation tube with possibility of 100% light to photography and simultaneously 50 % to eyepiece and 50 % to photography / direct video viewing on screen (teaching purpose) when manipulating sample under eyepiece.
3. **Zoom Ratio and Focus:** Manual or motorized Zoom ratio of 12:1 or higher – Continuous. Entire Microscope optics should be Apochromatically corrected with built in aperture diaphragm for increased depth range and should be provided with all necessary dust protection cover. It should have motorized or manual focusing.
4. **Nosepiece:** Two or three revolving nosepiece (objective revolver) for easy switchover of objectives should be provided.
5. **Eyepiece:** 10x Eyepiece with FN 22 or better.
6. **Interpupillary Distance:** Interpupillary distance must be adjustable at least from 55 mm to 75 mm
7. **Plan Apochromatic objectives :** Two objectives should be provided
  - 1<sup>st</sup> objective) Total Magnification from  $\sim 8$  x to  $\sim 96$ x with 1.0x Plan Apochromatic objective, minimum Working Distance of 60 mm or higher.
  - 2<sup>nd</sup> objective) Total Magnification from  $\sim 6$  x to  $\sim 60$  x with 0.63x / 0.8x Plan Apochromatic Objective, minimum Working Distance of 80 mm or higher.
8. **Analyzer:** Each objective should be provided with a rotatable analyzer (total 2 numbers) and with attachments that allow us to easily attach and remove the analyzer to the objectives.
9. **Reticle/Graticule:** A Reticle or Graticule of 10 mm/100 on X or Y axis should be provided.
10. **Illumination and Control:** Two Cold light source with controls for regulating the light intensity and focusing of Cold light source. Light source should be LED or Halogen based with day light illumination
  - **One for incident light.** It should be shadow less using ring illuminator
  - **One for Transmitted light** Transmitted Illuminator Base with Brightfield and Darkfield Microscopy with built-in filters for stereoscopic analysis of low contrast samplesEach light source should be provided with **2 spare bulbs (total 4 numbers)**.

The Cold Light Source should be away from sample and connected through fiber optics to the base for transmitted light. The light sources should be convection cooled light source and the light transmitted or incident on sample should not heat up the sample on the stage.
11. **Polarizer:** A polarizer for the transmitted light (at the base/stage) should be provided.
12. **Stage:** Should have large flat base with mounted manual XY gliding stage on adaptor for accommodating at the centre a 24 well Linbro/VDX protein crystallization plate of size L 16cm x W 11cm x H 2.5cm and 96 well sitting drop and microbatch crystallization plates.



**13. ANTISTATIC DESIGN:** Microscope body should be antistatic design with very good specific surface resistivity.

**14. High Sensitive Camera:** 5MP or better digital CCD camera, with proper video adapter for documentation and basic interactive measurements.

**15. Software:** Software for full live visualization, advanced image capture and documentation must be provided (e.g. Measurement functions, morphological parameters and interactive, with freely editable measurement objects which do not affect the measured image). Standard geometrical measurements like length etc. should be possible, with scale bar option to be seen along with the image.

**16. Computer attachment:** PC System with 24 inch or better monitor (monitor should be wall mountable and compatible for table top as well) for image acquisition and above software applications should be provided with relevant Operating system and the above softwares installed. A minimum 4 TerraBytes storage space should be provided.

**17. Warranty:** 3 years manufacturer warranty must be provided on all components of microscope including camera, PC and all other parts from the date of installation.

**18. Brochure/Catalogue and Technical compliance Statement:** Should provide printed brochures/Catalogue with detailed specifications. Point wise technical compliance statement to be attached citing the page no. of Brochure/Catalogue.

**19. Service and support:** Bidder should clearly specify the after sales service and application support capabilities.

**20. Relocation:** The machine will be installed in Chemical Sciences Block(CSB) of IISER-TVM Vithura campus. The vendor must be in a position to dismantle the setup in CSB and re-install them at the Biological Sciences Block within the campus at a later date.

**21. Users list:** Should provide users list of academic research institutes.

**Optional:**

Three years, post warranty period AMC should be quoted separately.



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