

**INDIAN INSTITUTE OF SCIENCE EDUCATION AND**  
**RESEARCH-THIRUVANANTHAPURAM**  
**[IISER-TVM]**

PH: 0471-2597454  
FAX: 0471-2597427

1<sup>ST</sup> FLOOR, DEPT: OF COMPUTER SCIENCE & ENGG,  
CET CAMPUS, ENGINEERING COLLEGE. P.O  
THIRUVANANTHAPURAM 695016,  
KERALA, INDIA.

IISER/PUR/PT/20/10

Date: 7<sup>th</sup> December 2010

**INVITATION TO TENDER**

Dear Sirs,

**SUB: FLUORESCENT MOTORIZED STEREO MICROSCOPE**

We invite Sealed Tenders for Equipments as per 'Schedule' attached.

Please quote your lowest rate and shortest delivery period. "Instructions to Tenderers" [Imports & Indigenous] attached are to be followed strictly.

***YOUR OFFER IN SEALED COVER SUPERSCRIBING TENDER NUMBER AND DUE DATE SHALL REACH US ON OR BEFORE 31<sup>ST</sup> DECEMBER 2010 (3 PM). LATE AND DELAYED OFFERS WILL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.***

Thanking You,

Yours Faithfully

  
**CONSULTANT**  
**(PURCHASE & STORES)**

**IISER-TVM**  
**PUBLIC TENDER NO. IISER/PUR/PT/20/10**  
**SCHEDULE**

**I. TENDER No. IISER/PUR/973/10**

**FLUORESCENT MOTORIZED STEREO MICROSCOPE :**

**Trinocular Fluorescent Stereo Microscope should have following features:**

- ⇒ Entire Microscope optics should be Apochromatically corrected.
- ⇒ Motorised Focus drive with column of length 600mm or above.
- ⇒ Motorised Zoom minimum 20.5:1 or above –Continuous.
- ⇒ Provision for two objective Holder (Objective revolver)
- ⇒ Total Magnification from 7.8x to 160x with 10x/23 Eyepiece pair and 1.0x Apo objective and 2X Apo Objective.
- ⇒ Resolution more than 500 Line pairs/mm with 1x Apo Objective and more than 2000 Line pairs/mm with 2x Apo Objective LED Incident Illumination (Multi Contrast Illumination)
- ⇒ Trinocular tube with possibility of 100% light to photography
- ⇒ Bright field illumination with controlled diffusion, oblique transmitted light and with transmitted light base
- ⇒ CXI coaxial illumination with integrated LED illumination, with connector and cable.
- ⇒ Manual XY stage & holder for accessories with 160 x 110 mm size holder.
- ⇒ Smart touch control unit.
- ⇒ Fluorescent attachment with Alignment-free external lightsource(Mercury Short Arc) with attenuator and fast shutter with long lifetime of bulb.
- ⇒ Z-stacks and other complex multichannel imaging procedures should be possible.

**High Sensitive Peltier cooled Firewire Digital Camera**

Hi-Sensitive Digital CCD camera work in Monochromatic mode ,Pixel Size 6.45  $\mu\text{m}$  x 6.45 $\mu\text{m}$  ,Number of pixels 1392 x 1040 (2088 x 1560 pixels scaled resolution on pc) , 36 Bit color depth, Exposure time 4 $\mu\text{sec}$  -10 min, Brightness correction mode on all binning modes, possible capturing of more than 20fps . With proper Video adapter.

- ⇒ Fluorescent Filters for YFP, GFP, CFP and FITCITxRed should be offered.
- ⇒ Fiber optic light source, antistatic design, convection cooling, swan-neck light guide, 500 mm, two-arms, double goose neck light guide, daylight filter for focusing lens, with LED light source
- ⇒ Software for Montage & 3D Viewing, Image overlaying, Full Live Measurements. The software should control all motorized functions, the digital camera, the scan head and image acquisition and processing.

All imaging and system parameters should be automatically stored with the image and easily retrievable for reproducible imaging. Standard geometrical measurements like length, areas, angles etc along with intensity measurements.

3D image reconstruction/rendering from a Z-stack image series.

- ⇒ PC System for Image acquisition and above applications should be provided.

**Installation and service:**

- ⇒ Bidder should clearly specify the after sales service and application support capabilities.

- Bidder should include the supply of appropriate online UPS system to support the complete system.
- Bidder should provide all pre-installation requirements to have the system installed in ideal room conditions.
- Bidder should provide 3 yrs warranty for all components including the camera.

**NOTE:**

1. **LEAFLET/CATALOGUE OF THE ITEMS QUOTED SHALL ACCOMPANY THE QUOTATION WITHOUT FAIL.**
2. **ALONG WITH THE TECHNICAL DETAILS PROVIDE A TABULAR COLUMN INDICATING WHETHER THE MODEL OF THE EQUIPMENT OFFERED BY YOU MEETS THE SPECIFICATIONS BY INDICATING 'YES' OR 'NO'. IF 'YES' SUPPORT THE CLAIM WITH PROOF.**
3. **NAMES OF INSTITUTES WITH CONTACT PERSON AND TELEPHONE/ EMAIL WHERE SIMILAR EQUIPMENT SUPPLIED BY YOU IN INDIA [PREFERABLY SOUTH] SHALL BE MENTIONED IN THE BID.**

  
**CONSULTANT**  
**[PURCHASE & STORES]**

**IISER – TVM**  
**INSTRUCTIONS TO TENDERERS [INDIGENOUS].**

1. 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.
2. Late tender and Delayed Tenders will not be considered under any circumstances.
3. Sales Tax and /or other duties/levies where legally levies and intended to be claimed should be distinctly shown separately in the tender.
4. (a). Your quotation should be valid for a minimum period of 60 days from the date of opening of the Tender. Quotation with firm prices will be preferred.  
(b). 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.
5. (a) Preference will be given to those tenders offering supplies from ready stocks and on the basis of delivery at IISER site.  
(b) Preference will also be given to those who agree our payment terms of within 30 days of receipt and acceptance of the item at our site.
6. (a) 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.  
(b) Samples, if called for, should be submitted free of all charges by the tenderer and the IISER shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to take back the samples at his own expense.  
(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.  
(d) **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.
7. 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.
8. 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 quote d in words shall prevail.
9. The tenderer should mention the name of his bankers, Sales Tax Registration, PAN number etc in the tender.
10. The authority of the person signing the tender, if called for, should be produced.
11. The purchaser reserve the right to accept or reject the lowest or any other offer in whole or in part without assigning any reason.
12. IISER being a Govt of India Educational and Research Institute, is exempted from payment of Excise Duty and Customs Duty under Notification No. 51/96- Customs dated 23<sup>rd</sup> July 2009. Also, we can issue Form16 as per VAT Rules.
13. There is no EMD or Tender Cost.

  
**CONSULTANT**  
**(PURCHASE & STORES)**

**IISER-TVM**  
**INSTRUCTION TO TENDERERS [IMPORTS]:**

1. **PRICE:** The price quoted shall be firm. The terms of FOB/EXW/FCA/CIF/CIP etc shall be clearly mentioned.
2. **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.
3. **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.
4. **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.
5. **COUNTRY OF ORIGIN:** Tenderer shall indicate in his offer the country of origin of goods offered and the name and address of the manufacture.
6. **INSURANCE:** If insurance of the goods is felt necessary, the same shall be advised by the Tenderer in the offer.
7. **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.
8. **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.
9. **WARRANTY:** Period of warranty and conditions shall be clearly mentioned in the Tender.
10. **GENERAL:** The Tenderer shall also be complied with the following:
  - a. Mention your Banker's name and address.
  - b. Show approximate net and gross weight and dimensions of packages/cases.
  - c. Furnish list of recommended spares for satisfactory operation for a minimum period of one year if the quote is for Plant & Machinery, Equipments etc.
  - d. Details of any technical service, if required for erection assembly, commissioning and demonstration.
  - e. Conform that the prices quoted are inclusive of all taxes, levies, duties arising in the tenderer's country.
  - f. The offer is valid for a minimum period of 90 days from the due date of opening of the tender.
  - g. Samples, if called for, will be sent free of all charges.
  - h. Late tenders and Delayed will not be considered.
  - i. Offers made by Indian Agents on behalf of their Principals, should be supported by the Proforma Invoice of their Principals.
  - j. The authority of person signing the tender, if called for, shall be produced.
  - k. The purchaser reserves the right to accept or reject the lowest or any other offer in whole or in part without assigning any reason.

  
CONSULTANT  
(PURCHASE & STORES)