PONDICHERRY UNIVERSITY

SCHOOL OF LIFE SCIENCES

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

TENDER NOTICE

12.06.2012

PU/DBMB/CT/DST-PROJECT/Equipts.ADVT/2011-12/

The Principal Investigator, DST-PROJECT, Department of Biochemistry and Molecular Biology, Pondicherry University invite sealed tenders from reputed Foreign/ authorized dealers for the supply of the following item:

S. No.	Name of the Equipment (Imported)	Qty	Tender fee
1	Trinocular Invertedtissue Culture Microscope (Imported)	1 No.	Rs. 500/-

Non-transferable tender document can be obtained against a written request to the Information facility centre, Pondicherry University, Pondicherry – 605014 on all working days on payment of non-refundable tender fee mentioned above as DD, favoring the "Finance Officer, Pondicherry University" payable at Pondicherry. The last date for receipt of tender is **02.07.2012 till 3.00 PM**. The Earnest money deposit of 2.5% of the quoted value must accompany the tender documents. The University will not be responsible for loss or postal delay of tender documents. The filled-up tender may be dropped in the box kept at the Information Facility Centre with clear superscription "Tender for the Equipments – **Dr. C. Thirunavukkarasu, Assistant Professor, Principle Investigator, DST project, Department of Biochemistry & Molecular Biology** , Pondicherry University, Puduhcerry-14, India.

Details can also be downloaded from the University Website: www.pondiuni.edu.in

Tender fee should be enclosed with the quotation.

TRINOCULAR INVERTEDTISSUE CULTURE MICROSCOPE (Imported)

General specifications

A Research microscope to be used in cell culture laboratory for bright field and phase contrast applications.

Technical Specifications

- Bright field and phase contrast with transmitted light.
- **Microscope Body:** Frame including 30W lamp socket, insert plate, 6V, 30W Halogen lamps (2 nos.)
- **Objectives:** revolving quadruple nosepiece.
- 4x/0.10 U plan semi apochromatic objective
- 10x/0.25 achromatic objectives
- 20x/0.40 long working distance achromatic phase contrast objective
- 40x/0.55 long working distance achromatic phase contrast objective
- **Stage:** Attachable mechanical stage with right-hand vertical low drive controls (including stage holders for cell culture plates, microtitre plate, Petri dishes and glass slides)
- **Observation tube:** Trinocular tube with fixed light pass.
- **Contrast slider:** Pre-centered phase contrast slider.
- **Condenser:** Detachable ultra-long working distance condenser.
- **Eye piece:**
  - 10X wide field eyepiece, FN20
  - 10X wide field eyepiece, FN20, focusable
- **Filters:** Light balancing filter and Interference green contrast filter, 45 mm dia.
- Camera port, for all common digital camera models. Photomicrography should not block the view. Green filter for phase contrast and blue filter should be included.
- **Digital camera**: CCD digital camera with minimum 10 mega pixel resolution, peltier cooled capable of capturing high quality images.
- **Data storage and output device:** System should be provided with a compatible PC with latest high end configurations available at the time of installation of the equipment, 17 inch or bigger LCD/TFT color monitor and an appropriate networkable color laser jet printer.
- Appropriate image acquisition and image management software capable of image overlay and analysis and time-lapse photography.
- , Pre centered phase contrast slider.

Essential Accessories (at no extra cost):

- Should provide suitable UPS and stabilizer with 1 hour backup with 3 year warranty
- Should provide Power cord, Dust cover and stage extension Plate
- Halogen lamps – 2 numbers
- Should provide all necessary reagents/ consumables for initial installation and standardization.
- All spare parts should be available with the supplier or principals for a period of 10 years.
- 3 year warranty for whole instruments.

Power Requirements

- Power input to be 220-240VAC, 50Hz fitted with plug suitable for Indian conditions.

Ambient conditions for operation

- The unit should be capable of being stored continuously in ambient temperature of 0 -50 °C and relative humidity of 15-90%
- The unit should be capable of operating continuously in ambient temperature of 10 - 40 °C and relative humidity of 15-90%.