

# THE UNIVERSITY OF BURDWAN

Registrar



Contact details (office):  
P.O. Rajbati, Burdwan, PIN-713104  
Ph.: 0342-2634015  
0342- 2656549/2656566/2558554  
ext-296  
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## Notice Inviting E-Tender (Two Bid)

Ref. No.: R-S/E-35/88

Date: 29/03/2018

E-tenders are hereby invited for the item as per detailed specifications (**Annexure I**) from the Original Equipment Manufacturer (OEM) or their authorized representatives in India for supply and installation of “*Inverted Fluorescence Microscope with Phase Contrast & Monochrome Camera*” for DST-SERB Project No. EEQ/2017/000076 Dt. 20/03/2018, under Dr. Sumit Kr. Hira, Principal Investigator (PI), Department of Zoology, The University of Burdwan.

The tender must be submitted through **on line only**, and must be addressed to: **Dr. Sumit Kr. Hira, PI, DST-SERB Project, Department of Zoology, The University of Burdwan Golapbag, Burdwan 713 104, INDIA**. Hard Copy of the technical details only (Brochures/leaflet/compliance cart etc.) must be submitted to the aforesaid address.

1. For e-filing, intending bidder may download the e-tender documents from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate.
2. Bid shall remain valid for a period not less than 60 (sixty) days from the last date of submission of Financial Bid.
3. All the prices must be quoted in Foreign Currency (for imported items) & INR for local items.
4. Both Technical Bid and Financial Bid are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in> within the closing date of online submission.
5. **Technical Proposal: The Technical proposal should contain scanned copies of the following in two covers (folders).**
  - a. **Statutory Cover containing the following documents :**
    - i. **NIT (Download the NIT & upload the same using digital signature)**
    - ii. Registration Certificate for enrolment with the Central Purchase Organization / other Govt. Dept. for quoting on behalf of the foreign principals, as per latest

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notification of Procurement Policy Division, Department of Expenditure,  
Ministry of Finance.

- iii. Bidders' Information Form
- iv. Bid Form
- v. Techno-Commercial Bid Form
- vi. Manufacturer's Authorization Form
- vii. Bidder's Performance Statement Form
- viii. Service Support Details Form

**ix. Technical Compliance Statement Form**

- b. **Non-statutory Cover containing the following documents:** For indigenous quotes the bidder has to upload requisite registration / tax certificate like VAT, TAN, PAN, Trade License, CIN, GST etc.

**6. Financial Proposal :**

- a. **The financial bid should contain the Bill of Quantities (BOQ) corresponding to this tender, which is available on the tender webpage as an MS-Excel file.**
- b. This file must be downloaded and opened with MS-Excel. The rate being quoted by the bidder must be entered in the space marked for this purpose in the file. Quoted rate will be encrypted under BOQ. In case quoting any rate in Tender Form, the tender is liable to be summarily rejected.
- c. All fields in the BOQ file other than those allocated for the name of the bidder and the rate(s) being quoted are non-editable.
- d. The BOQ file must be saved after this and should be uploaded using digital signature.
- e. **OPTIONAL ITEMS/Additional Warranty Charge beyond Standard warranty period and training charges (if any) must be separately quoted and uploaded as PDF file.**

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- In the BOQ quoted in foreign currency (click to select currency) fill up the applicable column (i.e. 'Ex-works', 'Discount (if any)', 'Freight', 'Insurance', 'other taxes (if applicable)', 'Installation & commissioning charges (if applicable)' and ignore the other column.
  - In the BOQ quoted in INR (click to select currency) fill up the applicable column (i.e. 'Basic Rate', 'Discount (if any)', 'GST', 'Other taxes (if applicable)', 'Installation & Commissioning charges (if applicable)' and ignore the other.
7. The FINANCIAL OFFER of the prospective bidder will be considered only if the specification of the bidder is found qualified by the Project Purchase Committee. The decision of the Project Purchase Committee will be final and absolute in this respect.
- a. Terms & Conditions like, Insurance, Mode of payment, Validity period, Warranty and Delivery period must be mentioned and to be submitted on firm's letter head mentioning the following :
    - i. Name and address of the Company including Telephone no., FAX no.
    - ii. Contact person - Name, mobile number, email address
    - iii. Banker's name and address in details
  - b. Detailed Technical specifications: Full Specifications, Make, Model, Brochure/Leaflets/Technical Information of the item(s) should be given while quoting the rates in the bid.
  - c. In case of authorized dealers, OEM authorization mentioning the NIT no to be submitted by the dealer.
  - d. The OEM must have experience of manufacturing for at least last 15 years or more which should be given as undertaking from the OEM in writing and is to be submitted along with the tender documents
  - e. The accessories quoted by every bidder should be OEM make and not locally sourced; if found so during supply then order will be cancelled

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- f. Experience and credential documents including copies of Orders towards supply in Govt /Govt undertaking organizations/ agencies are to be submitted along with the technical bid
8. The Project Purchase Committee reserves the right to accept or reject any bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Purchase Committee's action.
  9. The final price of the instrument /equipment must include the other charges like packaging, forwarding, freight, transportation charges etc. (whenever the prices are quoted on Ex-Work/FOB/FCA basis).
  10. Name and address of the Foreign Principal (OEM) and their Email and Fax No. must be clearly mentioned in the offer. The purchase order will be placed to the OEM only.
  11. The material should be dispatched duly insured against theft, loss or breakage during transit and the rates chargeable for insurance may invariably be quoted separately. The insurance shall be for an amount equal to 110% of the CIF value or CIP value of the contract from within "warehouse to warehouse (final destination)" on all risk basis including strikes, riots, and civil commotion.
  12. The University of Burdwan is registered with Department of Scientific and Industrial Research (DSIR) for the purposes availing Customs duty exemption in terms of Government Notification and Central Excise Duty Exemption in terms of Government Notification.
  13. Payment will be made on bill basis after the receipt of the item in good condition, its satisfactory installation and commissioning at out site by e-payment. In case of Import, payment shall be made through Letter of Credit (L/C) /Wire transfer/Foreign Demand Draft.
  14. The warranty shall remain valid for minimum twelve (12) months from the date of satisfactory installation and commissioning at our site or thirty months (30) after the date of shipment from the port or place of loading in the country of origin whichever period concludes earlier.

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15. Rate should be given both in words and figures clearly in the quotation. If there is any discrepancy between the words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to above.
16. The shipment must be in the name of “The Registrar, The University of Burdwan, Rajbati, Burdwan, 713104, West Bengal, India”.
17. The last date and time for receiving complete bids shall be strictly adhered to and no offer received after the due date shall be considered. Delayed/Late Tenders will not be considered at all. The University of Burdwan will not be responsible for any loss in transit.
18. The acceptance of quotation will rest with the Principal Investigator of the project who does not bind himself to accept the lowest quotation and reserves the right to reject, or partially accept any or all the quotations received without assigning any reason.

## 19. Date and Time Schedule :

1.	Date of uploading of N.I.T. & other Documents (On line) (Publishing Date)	29/03/2018
2.	Documents download start date (On line)	29/03/2018
3.	Documents download end date (On line)	18/04/2018
4.	Bid submission start date (On line)	23/03/2018
5.	Bid Submission closing date (On line)	18/04/2018
6.	Bid opening date for Technical Proposals (On line)	19/04/2018
7.	Date of uploading list for Technically Qualified Bidder (On line)	To be notified later
8.	Date for opening of Financial Proposal (On line)	To be notified later

Sd/-  
REGISTRAR  
The University of Burdwan

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## ANNEXURE-I

### Detailed Technical Specifications

#### INVERTED LED MICROSCOPE FOR BRIGHTFIELD, PHASE CONTRAST & FLUORESCENCE ATTACHMENT WITH DIGITAL IMAGING SYSTEM

<b>Microscope</b>	Inverted led microscope for bright field, phase contrast & fluorescence attachment with monochrome camera provides all options for manual operation.
<b>Body</b>	Main Body (Epi-FL attachment included.) With integrated diasopic illumination pillar, built-in LED illumination, objective elevation system for focusing,
<b>Tube &amp; Ports</b>	1. Binocular tube with 35 degree or more Viewing Angle 2. Manual left Side Port with a 100% split to the camera
<b>Eye Piece lens</b>	10× with both side diopter adjustment f.o.v. 22 mm and better. Interpapillary distance: 50-75mm
<b>Stage</b>	XY mechanical stage with universal sample holder for plates, glass slides, petri-plates, etc.
<b>Condensers</b>	Condenser with free working distances of minimum 40 mm or more. The Condenser base should have minimum 7-position disk to accommodate light rings, prisms. The disk can be equipped, individually. All transmitted light contrasting methods should be possible (BF, PH, DF, Pol, DIC, IMC). Including manual aperture diaphragm, fixed mount for interchangeable condenser heads, possibility to mount manual polarizer.
<b>Nose Piece</b>	Must be sextuple with DIC nosepiece
<b>Contrasting Methods</b>	Microscope should be equipped for Bright field, Fluorescence. System should be upgradable to DIC, Hoffmann or similar micro-manipulation etc.
<b>Transmitted Light</b>	Transmitted light continuously variable luminance Adjustment of brightness, with Field Diaphragms. Transmitted light with white light LED for long life.

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<b>Fluorescence</b>	Filter turret with 4 or more positions. Adjustable aperture and field diaphragms; Should have body inbuilt 4/5 position light intensity filter wheel /slider.  Mercury (Hg) light source 120/130w with a minimum life span of 1800-2000 Hrs (Optional)
<b>Fluorescence LED Cube</b>	Led fluorescence with high lamp-life with Fluorescence filter for <ol style="list-style-type: none"> <li>1. Blue (Excitation: 350/50 Emission: 460/50),</li> <li>2. Green (Excitation: 480/40, Emission: 527/30).</li> <li>3. Red (Excitation: 546/10, Emission: 585/40)</li> </ol> All filters should not have any pixel shift.
<b>Objectives</b>	<ol style="list-style-type: none"> <li>1. Achromat 10× PH1, NA 0.25, WD 6.2mm</li> <li>2. Achromat 40× PH2 NA 0.55, WD 2.1 mm</li> <li>3. Fluor 40×, NA.0.5 or more (ELWD Objective working distance should be of 2.0-3.3mm or more and with cover glass correction)</li> <li>4. Plan fluor 100×, NA 1.25 or more, High Working Distance</li> </ol>
<b>Camera</b>	<ol style="list-style-type: none"> <li>1. 4 MP or more resolution monochrome CMOS/CCD camera with Quantum efficiency: 75% or higher</li> <li>2. USB 3.0 or firewire based;</li> <li>3. Linearity: +1%,</li> <li>4. Pixel size: at least 6.5 μm × 6.5 μm,</li> <li>5. Cooling: -10°C or more,</li> <li>6. Full well capacity: 60,000 or more,</li> <li>7. Dark current: 0.6 e-/px/sec or less,</li> <li>8. Speed of acquisition 40 or more fps (USB 3.0)</li> </ol>
<b>Image Analysis Software</b>	Acquisition, Documentation, <b>Auto-Measurement</b> , Annotation, AVI Live-stream (Video Recording) capture, Time-lapse imaging, Calibration, <b>Intensity profiling &amp; Histogram exportable to excel sheet</b> , Count, length, area, angle, circle and ellipse & camera control, <b>Drag &amp; Drop Channel Merging facility</b> , Multi-Channel, Multi Point capturing etc.
<b>Computer and UPS</b>	A Branded Computer/Laptop & 1 KVA Branded UPS should be quoted separately
<b>Warranty</b>	1 Year Warranty

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<b>Delivery</b>	CIP Kolkata Charges & FOR Delivery Cost should be quoted separately
<b>Optional Items (Quoted Separately)</b>	Achromat 20× N.A. 0.40, W.D. 3.1 mm, Ph1
	Accessories to get relief contrast for 10×/40× objective
<b>Compatibility</b>	Microscope, Camera & UPS should be from the same manufacturer for better compatibility

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