

10	Fluorescence Filters Filters set for DAPI, GFP/FITC, RFP/TRITC		
11	Fluorescence Attachment Motorized attachment with special lenses to get uniform illumination in fluorescence with 4 motorized filter slots.		
12	Camera Attachment Digital monochrome cooled camera capable of handling very low light fluorescence, dark field or DIC images high density CCD/CMOS chip, 16MP resolution or more (without interpolation or pixel shifting), pixel size should be at least 7µmX or more upto 45FPS or more with at least 1.5MP or more resolution, bit digitization, Peak Q.E.>75%, Full well capacity of 60,000 noise, + 1% linearity, exposure time 100µs to 120 sec., 3.0 USB/Firewire connectivity.		
13	Imaging System: To add EDF module with the software to get all focused image of uneven samples.		
14	MICROSCOPE & CAMERA SHOULD BE FROM SAME MANUFACTURER FOR BETTER COMPATIBILITY. Workstation: Computer System i7 processor, 3.4GHz, 16GB RAM, 2TB HDD, 2 TB External HDD, DVD R/W TFT Monitor. 1KVA offline UPS with 30 Mins Backup.		
15	Above item should carry three years onsite full comprehensive free warranty. If the tender provide warranty less than three years then he has to give justification for lesser period of Without justification his tender is liable to be rejected.		

Contact for information: (Office enquiries will be entertained)

For Technical Information :
Dr. Debasmita Pankaj Alone
School of Biological Sciences
E-Mail debasmita@niser.ac.in

Sd/-
INDENTING OFFICER



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR
(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

Notice Inviting E-Tender No.: NC-001199-BIO-18-19 (NIT-47/2018)

***FLUORESCENCE STEREOZOOM MICROSCOPE WITH
PHOTOGRAPHY ATTACHMENT***

Cost of Tender is 1500.00 (Non Refundable)



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH
JATNI CAMPUS, P.O. – BHIMPUR-PADANPUR, VIA-JATNI
KHURDA – 752050, ODISHA, INDIA**

Notice Inviting E-Tender

For

Fluorescence Stereozoom Microscope with Photography Attachment

E- Tenders are invited on behalf of the Director, National Institute of Science Education and Research, Jatni from the manufacturers(Indian or Foreign) and their authorised reseller/Indian agent only for supply & installation of the following items:-

Sl. No.	Name of the Items	Tender No.	Name of Department	Qty. Nos.	Tender Fee in INR
1.	Fluorescence Stereozoom Microscope with Photography Attachment	NC-001199-BIO-18-19 (NIT-47/2018)	School of Biological Sciences	01 No.	1,500.00

Sl. No.	Name of the Items	Tender No.	Name of Department	Qty. Nos.	EMD in INR
1.	Fluorescence Stereozoom Microscope with Photography Attachment	NC-001199-BIO-18-19 (NIT-47/2018)	School of Biological Sciences	01 No.	60,000.00

NB: I. PARTIES REGISTERED WITH MSME/NSIC/SSI/DAE AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYING EMD.

II. THERE IS NO EXEMPTION FOR TENDER FEE OTHER THAN THE FOREIGN PARTIES QUOTING DIRECTLY.

III. PARTIES REGISTERED WITH MSME/NSIC/SSI/DAE SHOULD HAVE VALID CERTIFICATE FOR THE ITEMS BEING TENDERED WHICH SHOULD REFLECT IN THE CERTIFICATE.

- **Tender Enquiry No** : **NC-001199-BIO-18-19 (NIT-47/2018)**
- **Last date of submission of E-bid** : **22.10.2019 up to 11.00 A.M**
- **Opening of Technical Bid** : **23.10.2019 at 11.30 A.M**
- **Pre-bid meeting** : **26.09.2019 at 2.30 PM (SBS Conference Room)**

The details of general tender terms & conditions can be downloaded from <https://eprocure.gov.in/epublish/app> or Tender Free View Link from NISER Website <https://www.niser.ac.in/content/tender>.

Sd/-
FIC (Stores & Purchase)



TECHNICAL BID

**SUPPLY AND INSTALLATION
OF
FLUORESCENCE STEREOZOOM MICROSCOPE WITH PHOTOGRAPHY ATTACHMENT
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI**

Notice Inviting E-Tender No. NC-001199-BIO-18-19 (NIT-47/2018)

Vendor Name				
SL. No.	Item Specification	Qty.	Accepted/ Not Accepted (Kindly Mention)	Please specify if any deviation
1	Optical system: Universal Infinity corrected system.	1 No.		
2	Zoom Ratio : 25:1 or better with Magnification range of 6.5X to 157X Or Better			
3	Focus : Motorized focus & zoom operation controlled by remote pad. The remote should have display for magnification, zoom factor, filter cubes, objective details. The display intensity should be controlled or kept off. The microscope should also be controlled from PC.			
4	Objectives : Plan Apochromatic 1X (N.A. must be more than 0.15 in)			
5	Optical Resolution : N.A. must be more than 0.15 in both the eyepaths			
6	Observation tube: Wide field Trinocular head Eyepiece: 10x. Field no. 22 or better			
7	Transmitted Illuminator : LED Light stand with oblique illumination system for higher relief like contrast to observe even transparent samples			
8	Reflected Illuminator: Bifurcated LED light source for observing smaller to bigger opaque samples.			
9	Fluorescence Illuminator : Fluorescence light illuminator with 130W Mercury with 200Hrs lamp-life.			

10	Fluorescence Filters: Filters set for DAPI, GFP/FITC, RFP/TRITC		
11	Fluorescence Attachment: Motorized attachment with special lenses to get uniform illumination in fluorescence with 4 motorized filter slots.		
12	Camera Attachment : Digital monochrome cooled camera capable of handling very low light fluorescence, dark field or DIC images with high density CCD/CMOS chip, 16MP resolution or more (without interpolation or pixel shifting), pixel size should be at least 7µmX7µm or more; upto 45FPS or more with at least 1.5MP ore more resolution, 14-bit digitization, Peak Q.E.>75%, Full well capacity of 60,000, low noise, + 1% linearity, exposure time 100µsec to 120 sec., 3.0 USB/Firewire connectivity.		
13	Imaging System : Microscope motorization control, Acquisition, Documentation, Auto-Measurement, Annotation, AVI Live-stream (Video Recording) capture, Time-lapse imaging, Calibration, Intensity profiling, Intensity surface plotting & Histogram exportable to excel shit, Count, length, area, angle, circle and ellipse & camera control, Capturing data saving (meta data), Image filtering, Macro, Channel Merging etc.		
14	MICROSCOPE & CAMERA SHOULD BE FROM SAME MANUFACTURER FOR BETTER COMPATIBILITY. Workstation: Computer System i7 processor, 3.4GHz, 16GB RAM, 2TB HDD, 2 TB External HDD, DVD R/W, Graphic card, Optical Key board & mouse. 24" TFT Monitor. 1KVA offline UPS with 30 Mins Backup.		
15	Above item should carry three years onsite full comprehensive free warranty . In case the tendered provide warranty less than 03 years then he has to give justification for lesser period of warranty. Without justification his tender is liable to be rejected.		

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