



**G.B. PANT UNIVERSITY OF AGRIC. & TECH.
PANTNAGAR, U.S. NAGAR (UTTARAKHAND)**

Tender Invitation form in Two Bid System

No...../ *CBSH/Quotation/Env.Sc./1070*
M/s.....

Dated:- *9.4.2018*

Sub: *Supply of sealed quotation in 2 bid of Invert Fluoro Microscope*

“PLEASE CAREFULLY GO THROUGH THIS DOCUMENT AND ENSURE COMPLIANCE. NON-COMPLIANCE OF ANY CONDITION MAY MAKE YOUR OFFER INVALID”

Dear Sirs,

We are interested in the Purchase of the articles mentioned overleaf. Please send your tender in **SEALED COVERS (sealed with sealing wax)** so as reach this office on or before *21.5.2018* **Registered/Speed Post/Courier/by hand** while submitting tenders please note that:-

1. The tender is to be submitted under **two bid system i.e. Technical Bid & Financial Bid**. Technical Bid & Financial Bid will be received in two separate sealed envelopes. Both the envelopes will then be put in to one big envelope and sealed properly super scribing **“Technical Bid & Financial bid for the supply of In. Fluoro Microscope”** your *CBSH/Env/No.1070 dt.9.4.2018 Due date.21.5.18...*
2. (a) The Technical bid should be consisting of all technical details/specification EMD in separate envelope as required in para 13 and other requirements as mentioned overleaf and your terms & conditions. The envelope contained technical bid should be super scribed **“Technical bid for the supply & installation of In. Fluoro Microscope”**
(b) The financial bid should indicate items wise price for the item mentioned in technical bid. The envelope contained Financial bid should be super scribed **“Financial bid for the supply & installation of Inverted fluorescent Microscope”**
3. Rates quoted should be F.O.R. Pantnagar including packing forwarding and transit insurance. The goods should be insured against theft, loss or breakage during transit by the supplier before dispatch is made. The responsibility in this respect will be of the supplying firm and not of the University.
4. The rates of tax (GST) should be clearly indicated at which rate it is chargeable.
5. In case of the item being on D.G.S. & D. Rate Contract, please enclose a copy of the Rate Contract.
6. The tender shall be opened in the presence of the representative of any or all of the quoting firms at **3.00 p.m. on next day or 2nd or 4th Saturday in the office of undersigned** at G.B. Pant University of Agriculture & Technology, Pantnagar.
7. Payment will be made by crossed cheques on the State Bank of India/United Commercial Bank/Punjab National Bank, Pantnagar or an account payee draft at the cost of the supplier only after the receipt of material in good condition.
8. The acceptance of the tender will rest with the Vice-Chancellor who does not bind himself to accept the lowest tender and also reserves the right to reject fully or partially any or all the tenders received without assigning any reason.
9. In case of any dispute the matter shall be referred to the Vice-Chancellor of this University whose decision shall be binding to both the parties.
10. Please also quote your **GSTIN & Income Tax No.** on your tender. **Copy of GST registration must be enclosed.**
11. In case of supply order being placed on you:
“As time is the essence of this order, the date of delivery should be strictly adhered to otherwise the Vice-Chancellor reserves the right not to accept delivery in part or full and claim the liquidated damages @ 1% per week subject to a maximum of 10% of total value of the supply order.”
12. **You will have to deposit @ 3% upto ₹ 25 lac and above 2% (minimum ₹ 75,000.00) of the total cost of item(s) quoted by you as earnest money in the form of demand draft or fixed deposit receipt or bankers cheque in favour of Comptroller G.B. Pant University of Agriculture & Technology, payable at SBI/PNB/UCO/Union Bank, Pantnagar.**
13. **The imported equipments above ₹ 3.00 lac may be purchased in Indian currency provided Custom Duty Exemption Certificate is made available to the firm.**
14. The tenders are liable to be cancelled, if any of the above conditions are not compiled with.
15. The validity of rates should be 180 days from the date of opening of bid tender.

Yours faithfully

[Signature]
Signature & Seal of Purchaser
Specification overleaf

[Signature]


OFFICE/DEPARTMENT OF Environmental Science, CBSH.

S. No.	Description of material (Specification if any)	Quantity Required	Rates quoted
1.	2.	3.	4.
1.	Inverted Fluorescence Microscope Specification : Enclosed	1	

Note: Sealed quotation details information
can be down loaded from University
i.e. gbpuat.ac.in

• Terms & condition mentioned
overleaf

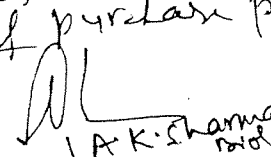
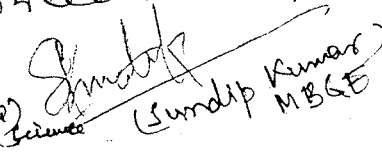
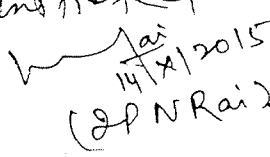
Date: 9.4.2018


Signature of Purchaser
Name J.P.N. Rai
Designation Professor & Head

INVERTED FLUORESCENCE MICROSCOPE

S. No.	Description	Specification
1.	Stand	Rugged and sturdy inverted stand. Built-in electronic power supply for 12V / 100W illuminator with conveniently positioned ON/OFF switch and regulating knob with appropriate port and provision for mounting a digital scientific camera. Inbuilt Digital camera will be preferable.
2.	Optics	The microscope should be suitable for bright field / phase contrast / Epi-fluorescence techniques. Microscope should have infinity color-corrected system (ICS) optics with high contrast and resolution.
3.	Nosepiece	Focusable quintuple revolving objective nosepiece to accommodate up to 5 objectives
4.	Microscopic stage	Large stage plate with attachable stage of travel range of at least 110 mm X 75 mm Universal Mounting frame: Shall be able to hold petridishes of size 35-60 mm and specimen slides.
5.	Observation tube	Binoocular tube 30/45° with field of view of 22/23 mm with swivelling eyepiece tubes with I.P.D. adjustable range at 55-75 mm. Apart from Eyepiece if microscope comes with attached large screen of 15" color, 1024 x 768 pixels; adjustable tilt to fit in Hood or any bio safety cabinet will be preferable over eye piece.
6.	Illumination (for bright field)	Built-in illumination with 12V / 100W LED/ tungsten/ halogen lamp (easily changeable) including appropriate power supply for 90-250V range but LED interchangeable Light cubes with life time of 50,000 hours will be preferable over tungsten & halogen lamp.
7.	Condenser	Long working distance condenser with appropriate aperture value with turret comprising aperture diaphragm for bright field, phase stops Ph1, Ph 2 and Ph 3 and compatible with all the filters for epi-fluorescence as well.
8.	Objective	Long working distance objectives with high contrast and resolution common for bright field/dark field, fluorescence, phase contrast. Magnification: 10x/ 20x/ 40x Type: Plan Achromat of 10X (N.A. 0.30 or higher), Plan Fluorite Objective of 20X (N.A. 0.45 or higher) with collar correction ring. WD (8- 6.5mm), Plan Fluorite 40X N.A 0.65 W.D 3.5 mm or better with color correction ring
9.	Eyepiece/Display Screen	Wide field focusing eyepieces with 22/23mm field of view with soft rubber eyecups suitable for spectacle wearers Or at least have 15 inch LCD integrated Screen of visualization of images or computer with below mentioned specification for image visualization. Computer or integrated 15 inch LCD screen will be preferable over eyepieces.
10.	Fluorescence illumination	20 W LED or 120W Metal Halide/mercury illumination with a life time of at-least 2000-50000 hrs.
11.	Fluorescence filter assembly	4 position reflector turret. The filters should be easily insertable and removable in the reflector by Push & Click Or Sliding method. Fluorescence filters for UV, Blue and Green excitation.
12.	Camera	Cooled CCD Camera with basic resolution of 1388 X 1040 = 1.4 MP or better. 2/3" CCD with Pixel Size of 4.65 (6.45)Um x 4.65 Um or better. Dynamic Range 12 bit/1:1000. It should be complete with Digital CCD camera capable of handling bright-field, phase contrast, fluorescence or Should be inbuilt within the microscope The Microscope, Camera and Software should be strictly from same manufacturer. No other make is acceptable.
13.	Software	<ol style="list-style-type: none"> Image capture and analysis software that shall be compatible with the camera Instrument should have integrated software for adjusting scalebar and image review tool along with a variety of advanced imaging and analysis tools. All images acquired can be saved in JPEG, BMP, TIFF, PNG, and AVI (video) formats. Software should be able to do 1-click, multi-channel overlay, Time-lapse, Cell counting, Transfection analysis.
14.	Computer	Intel Core i5 or better with at least 16 GB RAM, 1TB HDD, DVD RW drive, at least 6 USB ports, Wireless Keyboard & Mouse, 18" or larger Touch LCD monitor, Windows operating system, Original antivirus & Window Software should be supplied. If instrument having integrated LCD screen to display images directly on LCD screen then no need to quote computer separately.
15.	Miscellaneous	Dust cover, all wires, cords, connectors and standard accessories needed for proper functioning of the microscope
16.	Warranty	The complete instrument and accessories excluding consumables should be under warranty for period of 3 year from the date of installation.

Specification mentioned above are found to be correct
& purchase procedure may be initiated




 (A.K. Sharma) (Sundip Kumar) (JPN Rai)
MBGE Indentor

14/11/2015