



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

Quotation Invitation form in Two Bid System

Dated: 05.04.2017

No. CA/PLP.....

M/s.....

Sub: Invitation for the purchase of Trinocular Research Microscope and Trinocular Research Stereo Zoom Microscope with single attached digital CCD camera

"PLEASE CAREFULLY GO THROUGH THIS DOCUMENT AND ENSURE COMPLIANCE AND 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 quotation in **SEALED COVERS (sealed with sealing wax)** so as reach this office on or before **26.04.2017 REGISTERED/SPEED POST ONLY** while submitting quotations please note that:-

1. The quotation 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 Trinocular Research Microscope and Trinocular Research Stereo Zoom Microscope with single attached digital CCD camera your No..... dt..... Due date"**
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 Trinocular Research Microscope and Trinocular Research Stereo Zoom Microscope with single attached digital CCD camera"**.
(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 Trinocular Research Microscope and Trinocular Research Stereo Zoom Microscope with single attached digital CCD camera"**.
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 sales Tax (Central and Provincial etc.) should be clearly indicated at which rate is chargeable.
5. The rates of Excise duty should also be clearly indicated, if included in cost the excise duty component should be indicated separately.
6. In case of the item being on D.G.S.&D. Rate Contract, please enclose a copy of the Rate Contract.
7. The quotation 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 under signed at G.B. Pant University of Agriculture & Technology, Pantnagar.**
8. Payment will be made by crossed cheques on the State Bank of India/United Commercial Bank/Punjab National Bank, Pantnagar or a account payee draft at the cost of the supplier only after the receipt of material in good condition.
9. The acceptance of the quotation will rest with the Vice-Chancellor who does not bind himself to accept the lowest quotation and reserves the right himself to reject or partially accept any or all the quotation received without assigning any reason.
10. 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.
11. Please quote your **sales Tax No. & Income Tax No.** also on your quotation. Copy of **VAT registration must be enclosed.**
12. 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."
13. You will have to deposit upto **1.00 lac 5%, 1.00 lac to 5 lac 4%, 5 lac to 25 lac 3%** of the total cost of items 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 Bank, Pantnagar.
14. The imported equipments above **₹ 3.00 lac** may be purchased in Indian currency provided Custom Duty Exemption is made available by the firm.
15. The quotations are liable to be cancelled, if any of the above conditions are not compiled with.
16. The validity of rates should be days from the date of opening of bid quotation.

(A.K. Tiwari)
Professor

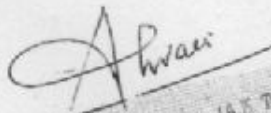
Department of Plant Pathology
G.B. Pant University of Agriculture & Technology,
Pantnagar-263145, U.S. Nagar, Uttarakhand, India

Yours faithfully
A. K. Tiwari
05.04.17
Signature & Seal of Purchaser
Specification overleaf

Revised Specifications Trinocular Upright Research Microscope and Trinocular Research Stereo Zoom Microscope With Single attached Digital CCD Camera				
S.N	Item	Specification		Quantity
1	Trinocular Upright Research Microscope	Illumination	High intensity, high power 12V 100 watt halogen/LED illumination with 40,000 hrs. or more life time and with infinity corrected optical System.	01 no.
		Contrasting techniques	Transmitted Light Bright field, Phase Contrast, DIC and Upgradation possibility for Reflected Light Fluorescence	
		Eyepiece Tube	Wide field Trinocular tube, inclined at 20-25 degree angle or better, FOV 0.22 mm or better	
		Eye Piece Lens	Focusable with diopter adjustment eyepiece pair 10x (FOV 22 mm or better)	
		Objective Nose piece	6-7 position objective DIC nosepiece	
		Focusing	Coarse, fine & super fine focusing, focus height stops, adjustable torque	
		Objectives Lens	High resolution and anti-fungus treated PLAN Achromatic 4x /0.1 Or 5x/0.12, 10x/0.25 and 20x/0.45; for bright field, dark field and phase contrast microscopy PLAN Fluor 40x/0.75x & 100x/1.3 oil for bright field, DIC & fluorescence microscopy	
		Condenser	Universal condenser suitable with colour coding for fast and easy adjustment of the aperture diaphragm, for bright field, phase contrast, DIC & dark field with multiple positions microscopy application, NA 0.9/1.25	
		DIC Attachment	DIC accessories i.e. polarizer, analyzer & DIC sliders for 40x & 100x objectives	
		C-Mount (0.75X)	C mount video attachment with centering adjustment	
Warranty & AMC	3 years warranty followed by 3 years AMC			
2	Trinocular Research Stereo zoom microscope	Light source	High intensity, high power 12V 100 watt halogen/LED illumination with 40,000 hrs. or more life time and with infinity corrected optical System	01 no.
		Zoom and Magnification	Zoom range 1x to 8x; Zoom ratio: 8:1; Magnification range : 10X to 80X (with 10x eyepiece and 1x objective); Additional objective of 2x to get a magnification of 160x; Fully PLAN apochromatic corrected zoom optics; Field view of 23 mm at 1x; Adjustable zoom stops with video/photo tube	
		Eyepiece	Eye piece pair 10x/22 or better, adjustable diopters	
		Objectives	PLAN Apochromatic 1x & 2x to achieve a magnification of 160X	
		Resolution	At least 300lp/mm with 1x objective, numerical aperture 0.2 NA; and 600lp/mm with 2x objective; high contrast, natural colour images without colour fringes or chromatic aberrations	
		Dust cover	Antistatic polymer microscope covers	
		Warranty & AMC	3 years warranty followed by 3 years AMC	

Digital Color Cooled CCD Scientific Camera	JPG images with 5.00 mega pixel resolution with peltier cooling 20°C below ambient temperature, Digital camera with 2/3" high density CCD chip, 12 bit, S/W for micron bar, annotation & point to point measurement. live image 2560 (h) x 1920 (v) pixel resolution or better, Pixel size 3.45 x 3.45 microns or better; Exposure time 1.0 m sec- 600m sec; Live display mode with 4-18 frame/sec. at ROI mode; Binning modes 2x2 & 4x4; Suitable for different microscopy techniques i.e. both monochrome imaging for fluorescence & color imaging mode for normal observation & attaching camera onto desktop/laptop through fire wire with 0.75x C-mount. Camera should have cooling on/off facility to increase life of CCD sensor zoom to region of interest tool.	01 no.
Image Analysis software with PC	Acquisition and device control, region of interest, measurement acquisition & image annotation, micron bar, shading corrections, live preview, live image capture, multi point image capturing, calibration mark ,measurement data table, gallery view, full screen mode, macro report generator. PC: branded (HP) computer system core i5 processor with latest configuration, compatible with software, 4GBRAM, 1TB HDD, key board, optical mouse DVD writer, 24" TFT LED (HD) colour monitor, windows 8 (64 bit), fire wire port & cable along with UPS with 30 min backup. Nvidia graphic card 1 GB.	
Warranty & AMC	3 years warranty followed by 3 years AMC	
Note : Microscope camera & software should be compatible with both of the microscope and to be attached with single monitor		

Dated: 05.04.2017


 (A. K. Tewari) Professor
 Department of Plant Pathology
 Prof. Plant Pathology & Technology
 PI Indo-UK Project
 U.P. Khand, BILHA