



**ALL INDIA COORDINATED RESEARCH PROJECT ON FRUITS,  
DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA 444 104  
(M.S.)**

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**Tender for Trinocular Research Microscope with photographic and  
Computer attachment**

Tender Sr. No.

Issued to:

Money Receipt No. -----Date: -----

Signature of the Cashier with office stamp:

**FORM OF TENDER**

To,

The Officer In-charge,

All India Coordinated Research Project on Fruits

Dr. Panjabrao Deshmukh Krishi Vidyapeeth

P.O. Krishi nagar, Akola 444 104 (M.S.)

Dear Sir,

1. In response to the tender notice published in the daily newspaper-----  
-----dated-----I / We submit herewith the tender form for the supply of  
Trinocular Research Microscope with Photographic and computer attachment
2. I/We have thoroughly examined and understood the terms and conditions of the  
tender contained in Appendix-I and I/We agree to abide by them in full
3. I/We offer to undertake the Trinocular Research Microscope with Photographic and  
computer attachment and accordingly have quoted the rates inclusive of all taxes,  
freight etc., as given in Appendix-II. It is agreed that no additional charges other than  
those mentioned in Appendix-II would be payable to me/us.
4. I/We accept that the rates offered shall remain valid for a period of six months from  
the date of execution of agreement. I/We further agree that if the date up to which the

- offer would remain open were declared as holiday for office and then offer will remain open for acceptance till next working day
5. I/we shall be bound by communication of acceptance of the offer, dispatch within prescribed time.
  6. I/We accept that the right to accept or reject whole or part of the tender without assigning any reason is reserved with the University. The decision of the University will be final and shall be binding on me/ us.
  7. As required by the term and conditions of tender an amount of Rs. 1000 Demand draft towards tender form in favour of Junior Horticulturist AICRP on Fruits, Dr. PDKV., Akola payable at the state Bank of India, Dr. PDKV Branch No. 2171 Akola bearing No. -----Dated the --/--/2015.
  8. As required by the term and condition of tender an amount of 1 % of Appendix-II paid by me/us as Earnest Money Deposit (E.M.D.) through Demand Draft (DD) of Nationalized Bank (or bankers Cheque for local parties) payable at the state Bank of India, Dr. PDKV Branch No. 2171 Akola bearing No. -----Dated the --/--/2015 in favor of the Junior Horticulturist, AICRP on Fruits, Dr.P.D.K.V, Akola (payment of E.M.D. in any other form will not be accepted).
  9. I/We agree to undertake to supply the articles at location of office mentioned in final supply order and as per the specifications of the final orders within TWO weeks from the date of firm order.
  10. As rates are valid up to six month from the date of execution of agreement, I/we also agree to undertake Trinocular Research Microscope with Photographic and computer attachment full or in part to other offices of University spread over Vidarbha region under same terms and conditions against the supply orders up to the period of six months from the date of execution of Agreement Bond.
  11. As per the terms and conditions (Part-I Appendix-I) I/We are submitting our offer in two envelopes. Envelop no. 1 contents documents as per the condition Sr.No. 11 of Part-I of Appendix-I. In envelope no.2 includes rates quoted by me /us in Appendix – II
  12. I/we also agree that University has full rights to open/consider the second envelop if University is satisfied with information contained in envelope no. 1. The decision of the University regarding this will be final and will be binding on me/us
  13. I/We hereby declare that the entries made in this tender form i.e. in part II of Appendix I and Appendix II are binding for me/us. I/We shall be bound by the Act to me/our authorized representative duly constituted Attorney Shri ----- whose signature is appended hereto in the place specified for the purpose and of any other person who in future may be a appointed by me/us in his place to carry on the

business of this concern/agency/firm. The intimation of such change will be given to the Officer In-charge AICRP on Fruits, Dr. PDKV, Akola

14. I/We hereby take the responsibility of maintaining the equipment's at their locations at free of cost in warranty period. I/We hereby take the responsibility to provide the service for at least five years after expiry of warranty period.
15. I/We have no objection if the University gives preference to those tenderer who offer to complete supply of equipments within ONE week of the firm order and the decision of the University in such events, will be final and binding on me/us

The following documents duly filled in and signed are enclosed along with the tender. The part I of Appendix I being the term and condition is retained by me/us for my / our information and record

Place:

Yours faithfully,

Date:

Signature of the Supplier

Capacity in which signing:

Name and Address of the firm/supplier:

Registration No. of Supplier:

List of Documents:

1. Appendix I
2. Bank Draft No.-----Dt.-----Rs.

Signature of Constituted Attorney / Authorized representative

Signature:-----

Date:-----

Name & Address:-----

Phone No.:-----Mobile No.-----

## **APPENDIX I**

### **Terms and Conditions governing Trinocular Research Microscope with photographic and computer attachment**

#### **Part-I**

1. Sealed Tender are invited from manufacturers/authorized reseller dealer of manufacturer / suppliers/ Contractors who are willing to undertake supply of Trinocular Research Microscope with Photographic and computer attachment as per the specifications mentioned in Appendix-II office hours during 10.00 to 17.00 hours of working days up to 09/11/2015. Tenders received late in person/ by post will not be considered. In case tenders are sent by Registered post, it shall be the responsibility of intending supplier to ensure that they are received before closing hours.
2. The tenders are proposed to be opened on 10/11/2015 at 11.00 hours in office of the Officer In-charge, AICRP on Fruit, Dr. PDKV., Akola in the presence of the intending supplier who may desires to attend.
3. The rates both in words and figures without any corrections or overwriting should be quoted in Appendix-II for each individual item separately. Any overwriting or rewriting should be duly countersigned. The rates must be valid up to SIX MONTH from the date of execution of Agreement.
4. The intending supplier shall also have to mention the name of manufacturer/ Authorization certification, make, model of the microscope and has to enclose the pamphlets/ pictures of the appliances offered, for which the rates are quoted. In the absence of the above, the items offered will not be considered. The preference will be given to (a) Manufactures, (b) Authorized Reseller or dealer of overseas manufacturer,(c) Authorized Dealer of manufacturers (d) Supplier.
5. University will accept the tender for items mentioned in Appendix II from only (a)Manufacturer (b) Authorized Reseller or dealer of overseas manufacturers (c) Authorized Dealers of manufacturers and (d) any other agency, which is having adequate experience for Trinocular Research Microscope with Photographic and computer attachment Such agencies must enclose adequate documents to prove their claims. University reserves the rights to accept or reject tenders of these agencies. The decision of the University regarding this will be final and shall be binding on tenderer
6. Tenderer will have to supply Trinocular Research Microscope with Photographic and computer attachment as per the standard design & specification with

- mentioned model name and provide equipments/ instruments manufactured by reputed company Carl Zeiss and not of local brand name or assembled
7. The University reserves the right to accept or reject the items of the make other than the above.
  8. Tenderer may enclose published report of comparative study of his quoted items, which will give additional weight age to his quoted price
  9. The tenderer should quote the rates only in Appendix II of the tender issued by this office and not on any other form.
  10. The tenderer should submit his offer in two separate envelopes
  11. The tenderer should provide the following documents in first envelop with superscription 'TENDER FOR TRINOCULAR RESEARCH MICROSCOPE WITH PHOTOGRAPHIC AND COMPUTER ATTACHMENT' Technical envelop
    - a) Money Receipt of E.M.D. 1 %
    - b) Tender form Demand Draft of Rs. 1000
    - c) Certificate of Authorized Manufactures/ Authorized Resellers/ Dealer of overseas companies/ Authorized Dealers of manufactures/ Authorized Service Centers.
    - d) Clients list of Company/ Dealer and total experience in the concerned field.
    - e) Documents in support to reveal capacity to provide service after sale-like Detailed Bio Data of service Engineers, Name and address of service engineers/ representative / Co-agencies for local and outstations maintenance
    - f) Income Tax clearances certificate or last three years statement of income Tax Returns signed by Income Tax authority.
    - g) Sale Tax Registrations No.
    - h) Part-II of Appendix-I
  12. The tenderer should provide rates quoted only in Appendix II in second envelope with superscription 'TENDER FOR TRINOCULAR RESEARCH MICROSCOPE WITH PHOTOGRAPHIC AND COMPUTER ATTACHMENT' Commercial envelop. Enclosed sealed 1&2 in envelop no.3 with superscription ' Tender for 'TRINOCULAR RESEARCH MICROSCOPE WITH PHOTOGRAPHIC AND COMPUTER ATTACHMENT' and submit to the undersigned
  13. The intending supplier should quote the rates inclusive of all expenses, charges, taxes, duties, transportation, packing and forwarding , insurance etc., i.e. All 'Inclusive 'with free delivery at respective offices of the University as mentioned in Appendix-II. However, the Octroi will be over and above this, if applicable. The equipment's will have to be supplied as per the specification within TWO WEEKS or as per the last date mentioned in final supply order.

14. University will reserve full rights to open/ consider the second envelop if and only if University is satisfied with information contained in envelope no.1. The decision of the University regarding this will be final and shall be binding on tenderer.
15. The supplier will have to supply in full or in part the articles to different offices as mentioned in Appendix-II and any other office of the University located anywhere in Vidarbha region till date of validity of rates
16. If the Trinocular Research Microscope with photographic and computer attachment are not provided within stipulated time limits, deduction @1% of the total cost of order value per week for extra time taken and will be deducted from the bill. However, the Vice-chancellor, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola may condone/ relax this penalty and may grant extension up to the time limit as deemed to be fit by him, provided the tenderer applies and satisfies about genuineness of the reasons for delay in supply of articles
17. The tenderer shall have to deposit Earnest Money Deposit (E.M.D.) 1% in cash or through Demand Draft drawn on State Bank of India, Dr. PDKV., Branch (Branch No. 2171), payable to Officer In-charge AICRP on Fruits, Dr. PDKV., Akola and the same should be enclosed along with the tender. The tender without E.M.D. will not be considered at all. The amount of E.M.D will be refunded in case of unsuccessful tenderer on submission of plain application with Money Receipt in original soon after the final decision. In case of successful tenderer, it will be deemed as partial payment towards 3% of Security Deposit.
18. The specimen of 'Agreement Bond' will be provided along with letter of acceptance to the tenderer whose rates are accepted by the University. The tenderer shall have to execute agreement in this prescribed form on Government Court Fee Stamp paper costing to Rs. 100/-, which should be submitted to this office within, specified time. The agreement received under seal and signature of tenderer will become legal agreement between the tenderer and the University, which will be binding on tenderer.
19. If the successful tenderer fails to comply with the supply order within the specified period or only part supply is made, the Officer In-charge, AICRP on Fruits, Dr. PDKV., Akola or competent authority or any officer authorized by him/ them, will arrange for the expenses of the said tenderer, who shall have to bear and pay all additional expenditure incurred by the University in that behalf
20. Successful tenderer will have to furnish security deposit to the extent of 3% of total cost of the items accepted by the University as offered in the tender either in cash or through demand draft drawn on SBI, Dr. PDKV branch No. 2171 Akola in favor of

the Officer In-charge AICRP on Fruits, Dr. PDKV., Akola within specified time from the date of issue of letter of acceptance.

21. The amount of security deposit without any interest there on will be returned to the tenderer after 12 months or the expiry of the warranty period whichever is late from date of supply. Subject to the surrender of Money Receipt in original in this office
22. The quantity mentioned in Appendix II of this tender is subject to variation according to actual requirement of this University. The quantity may vary in case of competitive market rates. The right to enhance or reduce the quantity of any tendered item and right to accept/ reject whole or part of any tender, without assigning any reason, whatsoever, is reserved by this University. The decision of the University will be final and it shall be binding on the tenderer.
23. On acceptance of the rates as per the approved tender and after completing official necessary formalities, the tenderer will be informed about the acceptance of his tender. Officer In- charge, AICRP on Fruits, Dr. PDKV., Akola will place the supply order. However, Security Deposit for order will have to be deposited with the Officer In- charge, AICRP on Fruits, Dr. PDKV., Akola
24. As soon as the tenderer delivers the tender in the office of the undersigned, it shall be binding on him and he shall not be able to withdraw or amend the offer.
25. The Officer In- charge, AICRP on Fruits, Dr. PDKV., Akola also reserves the right to obtain the articles by negotiations from one or more of the tenderer, if in case the rates, quality, make specification or other terms and conditions etc. of tenderer are not found suitable, to this University.
26. The undersigned also reserves the right to accept or reject the supply in full or in part which do not strictly stick up to the specifications or to accept the material/ articles supplied with slight up to the specifications or to accept the material / article supplied with slight variation in specification or with a condition that the rates accepted shall be reduced at such rates as the competent authority of the University may deem fit, looking to the variation and that such rates shall be binding on the tenderer.
27. University reserves the rights to accept or reject- higher version of structures/ equipment/ instrument etc. or any other items under the same terms and conditions and same price quoted by tenderer in Appendix-II
28. In case of successful tender, the University for Fulfillment of terms and conditions of tender shall retain the amount of Security Deposit (SD) deposited by him. The University will not make any payment towards interest on such deposits.
29. In case of poor response from the supplier for the first call, the date of opening of tenders shall be extended further to a maximum of two times. The tenders received

up to last call, will be opened and considered by the Officer In- charge, AICRP on Fruits, Dr. PDKV., Akola

30. The credit bill should be presented in triplicate in the name of respective authority as quoted in final supply order after delivery of material is made. For any delay in payment, interest or any other kind of compensation/ the University will not make any extra payments etc. this contract will be governed as per terms and conditions mentioned above. Agreement made and the provisions contained in M.A.U. Account Code 1991. Delay in supply within the prescribed time limit or the extended time limit, making of supplies not up to the standard specification and performance or non-observance or non-acceptance of these terms and conditions by the tenderer, shall constitute breach of contract and the security deposit or any other deposit of the tender shall be forfeited by the University besides other actions of reduction in bills of supplies and or other legal actions and finally the decision of the University shall be binding on the tenderer.

Enclosures:

1. Part II of Appendix I
2. Schedule of supplies in Appendix-II

Place: Akola

Date:

Officer In-charge,  
All India Coordinated Research Project on Fruits  
Dr. Panjabrao Deshmukh Krishi Vidyapeeth



**Part-II of Appendix I**

I undertaking to be given by the tenderer for 'Supply of TRINOCULAR RESEARCH MICROSCOPE WITH PHOTOGRAPHIC AND COMPUTER ATTACHMENT

Whereas, Officer In-charge, AICRP on Fruits, Dr.PDKV, Akola has called for tenders for supplies as per the enclosed appendix No. II

I/We hereby offer our tender at the rates given in the enclosed Appendix No. II duly filled in and signed by me/us and hereby also affix my/ our signature (s) below this tender voluntary and full acceptance of all the terms and conditions of this tender, which shall be the agreement between the above tender calling authority and myself/ ourselves.

Enclosure: Appendix II

Signature of the Supplier:

Name of the Supplier:

Capacity in which signing:

Full address of the supplier with seal/ stamp

Phone No.----- Mobile No.-----

Place:

Date:

## **AGREEMENT REGARDING TERMS AND CONDITIONS**

1. The supply of TRINOCULAR RESEARCH MICROSCOPE WITH PHOTOGRAPHIC AND COMPUTER ATTACHMENT will be given to only reputed, authorized and experience firms
2. The rates should be quoted inclusive of all charges
3. No additional claims should be made after the acceptance of offer OR no additional cost will be paid for any claims other than the finalized amount
4. The model and specification should be made as per in Appendix II
5. The specification, model will be approved by the committee from time to time to check the quality if any discrepancies found in between the undersigned reserves the right to out rightly terminate the contract without any prior notice
6. The time limit for the supply of Trinocular Research Microscope with photographic and computer attachment would be strictly 21 days from the date of placement of final work order and signing of agreement.
7. The final order will be placed to only one party based on the lowest quoted rate and the experience and reputation of the firm.
8. The final payment of bill will be made only after the full completion, execution and commissioning of the work

We here by fully agree to the terms and conditions given above.

Name and Signature of  
Supplier with rubber stamp

**SCRUTINY REPORT OF THE TENDER**

TENDER NOTICE NO. Officer In-charge/AICRP on Fruit /281/2015 Dated 07/10/2015

Tender for supply of TRINOCULAR RESEARCH MICROSCOPE WITH PHOTOGRAPHIC AND COMPUTER ATTACHMENT MAKE-CARL ZEISS MODEL-PRIMOSTAR CAMERA: MAKE: TUCSEN, MODEL: ISH 500 Computer : Any reputed company

1.	Tender Sr. No.	
2.	Name of the Firm	
3.	Earnest Money Deposit (EMD)	
4.	Security Deposit	
5.	Prices FOR	
6.	Taxes	
7.	Payment	
8.	Guarantee/Warranty	
9.	Validity of Order	
10.	Sales Tax No.	
11.	Delivery	
12.	Whether tender received before due date	
13.	Tender accepted/ rejected	

Officer In-charge  
All India Coordinated research Project (F)  
Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola

## APPENDIX II

### DETAILED SPECIFICATION FO THE TRINACULAR MICROSCOPE WITH PHOTOGRAPHIC AND COMPUTER ATTACHMENT

Sr.No.	Particulars	Make/ Model	Cost
1.	Trinocular Research Microscope with Photographic attachment	Make-Carl Zeiss Model-Primo star	
2.	Camera	Make: TUCSEN Model : ISH 500	
3.	Computer	any reputed company with below given specification	

1)	Extremely stable stand because of wide lower part and low center of gravity
2)	Modular illumination concept with drawer HAL (30 W/6 V) and LED (3 W/6 V) power supply Integrated into the stand via a park position; Storage area for power cable and power supply in back of stand. Multi voltage power supply 3 country specific plugs; IEC-Adapter for adapting the power supply into a table top power supply. Meets all international standards and safety standards (CE, CSA, UL, ICC, ISO 9001, 1vD). Universally adaptable power supply 100V .... 240 V/ 50 ... 60 Hz)
3)	Carrying handle fully integrated into the stand. Microscope can easily and comfortably be moved. Ergonomically designed.
4)	Intensity level display by means of a 5-element display on both sides of the stand via live blue LEDs. Protects lamp life by ensuring that all instruments are turned off when not in use.
5)	Nosepiece 4x, inclined backwards Quadruple reverses nosepiece (to accommodate 4 objectives) with precision click stops for easy rotation. Allows easy access to stage and protects objectives.
6)	6V/30W tungsten halogen and LED (3 W/6 V) illumination with “pre-centered” lamp mount for easy lamp changing (centering of lamp is not needed whenever changed).
7)	ABBE Condenser with a spherical lens and iris diaphragm, N.A. 0.9/1.25 for use with objectives 4x to 100x.
8)	100% perfect “Koehler Illumination” setting is possible due to focusable & centering condenser and variable field diaphragm.
9)	Long-Life Stage coating; X-Y controls on the right hand side operation and specimen holder with spring clip on the left side; easy to read vernier scales for precise and fast repositioning of sample. Area of stage w x d: 140 mm x 135 mm and Travel range w x d: 75 mm x 30 mm.

10)	Coarse and fine focusing with safety stopper; fine focusing graduations in 2.5 microns scale interval. Fine drive: 0.3 mm/rot. Coarse drive: 4 mm /rot Total travel range: 15mm
11)	30° inclined ergonomic Swiveling Sidentopf Binocular Photo tube (Trinocular tube) with upper & lower position with Upper position offers approx. 40 mm extra viewing height, beam splitting ratio 50:50, sidentopf design, suitable for eyepieces up to field of view 20mm. Adjustable Inter Pupillary Distance range 48-75mm and eyepiece tubes can be swiveled either way for comfortable viewing angle of the operator. Tube can be rotated 360°
12)	Set of Color filters containing blue, green and yellow.
13)	Eyepieces with 10x magnification, field of view 20mm suitable even for spectacle wearers. Focusable eyepieces are with ± 5 diopter adjustment.
14)	High contrast Plan-achromatic objectives 4x/0.10, 10x/0.25, 40x/0.65 and 100x/1.25 oil. 40x and 100x front optics are spring loaded. Plan-ACHROMAT 4X/0.1WD: 6.50 mm, Plan-ACHROMAT 10X/0.25WD: 4.39 mm, Plan-ACHROMAT 40X/0.65WD: 0.48 mm and Plan-ACHROMAT 100X/1.25 WD: 0.13 mm
15)	Optical System of Colour- corrected infinity optics with Parfocal distance of 45 mm, Tube Length of 180mm
16)	Manufacturer Authorization should be available. Certificate of Compliance from CSA of Class 872185 for US Standards and Class 872105 for Laboratory Equipment with IP20 should be available. Make: CARL ZEISS MODEL: PRIMOSTAR
17)	Accessories: Carrying case, microscope mat, eyepiece pointer, tilting mirror, Phase contrast equipment, dark field equipment, digital camera adapter, AxioVision LE with Canon camera driver, Dust cover, Microscope pad and case for transport and storage

**DIGITAL CMOS CAMERA CMOS SPECIFICATION**

**MAKE: TUCSEN**

**MODEL : ISH 500**

Sensor	: Micron
Sensor Type	: MT9P031
Sensor Size	: ½.5 ‘
Pixel Size	: 2.2um *2.2um
Effective Pixel	: 5.0 MP
Resolution	: 2592 × 1944V
Optical Port	: C/CS mount

ADC : 8 bit  
Frame Rate : 5fps (2592 × 1944 Full Frame)  
Exposure Control : Automatic / Manual  
Exposure Time : 1ms – 0.3s  
White Balance : Automatic / Manual  
Sensor format : Progress  
Shutter : rolling shutter  
Dynamic range : 60 dB  
Controlling : Image, Size, Bright, Gain, Exposure time, Colour  
Data Interface : USB 2.0 /480Mb/s  
Operational Temp. : 0-60° C  
Operational Humidity : 45-85%  
Storage Temp. : -20-70°C  
5 Mega pixels resolutions, ½.5 sensor size  
Non destructive image output and storage, Color Matrix technology, High fidelity color  
**Computer:** Any reputed company  
CPU: Intel Core i3, 3.3 GHz, 3MB cache  
Chipset: Intel series or better  
Bus Architecture: 3PCI  
Memory: 4 GB 1333 MHz with 16 GB expandable  
Hard disk: 500 GB 7200 rpm  
Monitor: 18" with preloaded operating system  
Key board: 104 keys  
Mouse: Optical with USB interface  
DVD ROM: 8X  
Network Facility: 10/100/1000 on board with remote booting facility  
Operating System: Windows 8 Professional/ Linux preloaded with media and documentation and certificate of Authenticity  
Preloaded antivirus software Power management..