


S. No.	Description of items	Technical Requirement	Quantity
	Plant Protection Testing Equipments		1 no.
1.	Image Analyzing & Measurement System for Macro Droplet Analysis Consisting of Digital Camera for Zoom Stereo Microscope:-		01 no.
a)	<p>Digital camera Specifications 3.0/5.0 MP USB High performance Microscopy Camera with Live. Imaging Measurement Software. Sensor Sensor size ½.5 inch Pixels 2.2micron X 2.2micron Resolution 2048 x 1536V Filter RGB Bayer Lens interface C/CS mount Maximum fps RGB 8 bit Calibration Slide. Image Pickup Device : Aptina MT9T001 CMOS(Color) Scan Mode : Progressive Max. Resolution Live : (H×V):3856 x 2764 Sensor Size (Diagonal): ½" (6.55mm(H) x 4.92mm(V), Diagonal 8.19mm) Pixel Size: 10.1µm x10.1µm G Sensitivity : 1.0v/lux-sec(550nm) Dynamic Range: 61dB A/D Converter : 12-bit Parallel, 8-bit R.G.B to PC SN Ratio : 43dB Spectral Range : 380-650nm (with IR-filter) Video Format & Frame Rate: 8fps @2048 x 1536, 22fps @1024 x 768, 43fps @680 x 510</p> <p>SOFTWARE ENVIRONMENT Operating System Support Microsoft Windows XP / Vista / 7 / 8 (32 & 64 bit) OS X (Mac OS X), Linux</p> <p>PC (Desk Top Computer) CPU: Equal to Intel Core i3 3.2GHz or Higher Memory: 2GB or More USB port: USB2.0 High-speed Port, 1 TB, 7200rpm SATA HDD Display: 17" or Larger CD-ROM, dedicated to above camera</p> <p>Spray Droplet Analysis Software. Features:- Should have Automated Counting:- Automatically count, Automatically derive for Size, Shape, Colour Intensity for each object. Segregates Counted Objects into classes based on their measurements. Batch Run Process system to analyze images on one single click. Report should be exported to Excel and Notepad. Calibration should be user defined. Individual droplet size should also available by clicking. Morphometry:- Should Interactively trace or Automatically detect outlines of features. Should obtain size, measurements, shape factors. Should obtain area sums, fractions or ratios. Length, Angle & Distance measurements.</p>		
b)			
c)			

TERMS AND CONDITIONS:-

- I. The tender is to be submitted complete in all respect detailing the TECHNICAL SPECIFICATION of the equipment.
- II. The tender should indicate rates and commercial terms and conditions for delivery at F.O.R. destination at this institute, inclusive of packing, forwarding, freight and insurance. Break-up of taxes, if any, should be given .The transit insurance will be the responsibility of the supplier and no separate charges will be paid for it.
- III. Validity of price will be minimum 180 days from the last date of receipt of quotation in this office
- IV. No insurance charges will be paid by the consignee.
- V. Brochure/diagrams/photos /relevant information if any, should be supplied with the quotation.
- VI. Equipment should be delivered within 25 days from the issue of Supply Order. If the firm/supplier/dealer fails to do so, the institute reserves the right, but not under obligation, to cancel the Supply order at the responsibility of firm/supplier/dealer.
- VII. In case the supply does not conform to our required specifications the material will be returned at the cost of supplier.
- VIII. If the items under reference are proprietary items of the firm, self certification of the firm in this regard may be attached with quotation which should clearly state that none other than your firm is manufacturing/fabricating such items across India.
- IX. Payment will be made through e-payment only in the Bank account of supplier, after receipt and installation of stores at this Institute in good condition.
- X. A mandate form filled in all respect along with Account No., Pan No., GST No. Aadhar No. and Cancelled cheque should be submitted to this institute for e-payment.
- XI. The Director is not under obligation to accept the lowest bid and reserves the right to accept or reject any of the quotations, at his discretion, without assigning any reason thereof.
- XII. If the supplier fails to supply of the required equipment within the prescribed period, the Director , NRFMTTI, HISAR, reserves the right, but not under obligation , to recover damages for breach of the contract,
- XIII. Th equipments offered will have to be installed and commissioned in the Institute by the supplier.
- XIV. Supplier to provide operators/ instruction manuals/ spare parts catalogue,
- XV. Warranty term should be minimum 12 months from the date of satisfactory installation & commissioning.


(A.K. Singh)
Senior Agricultural Engineer
For Director